

CP Papers on Scheduling

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1 Introduction

This document shows the result of a survey on "Constraint Programming and Scheduling", which tries to find and classify all publications on the combination of these two concepts. It is based on a manually collected bibfile containing reference to relevant papers and articles, and on an automatic and manual analysis of local copies of the cited papers. For copyright reasons, we are obviously not able to distribute the collected copies, but we provide links to the original sources of the files.

We identify the papers by a key which is the last name of the first author, the first character of the last names of all other authors, and a two digit year code for the date of publication. If multiple works would define the same key, we differentiate by adding a suffix "a", "b", etc, to the second and subsequent works found.

Most of the content of this document is generated by a Java program that parses the bib files, adds any manually extracted information, and which then extracts concept occurrences from the local copies of the works. It then produces tables and other LaTeX artifacts that are included in a manually defined top-level document.

To add new works, first add bibtex entries for each work in the main `overview/bib.bib` file, then add local copies of the pdf of the work to the `overview/works/` directory, using the key of the bibtex entry as the file name (plus extension `.pdf`), and then run the main Java program `org.insightcentre.pthg24.JfxApp` to consolidate the information and extract the relevant concepts. Finally, run `pdflatex` on the `overview/scheduling.tex` file to produce this pdf document. Manually extracted information for the files can be added in the `imports/manual.csv` file. New concepts can be added in the file `imports/concepts.json`, new concept types need to be directly defined in the Java code.

We start the document by providing a table of all defined keys in the bib file in alphabetical order. This table can be helpful to see if a candidate paper is already in the survey, it suffices to see if the key is already present, and matches the authors, title and origin of the candidate paper. In the table link given by the key points to the local copy of the file, while the citation number links to the bibliography entry. That entry typically also contains a link to the original source of the paper.

This document heavily depends on the use of hyper links in the document, it has been tested with Acrobat Reader, other pdf reader may not use links in the same way.

Table 1: Key Overview (Total: 656)

1	2	3	4	5	6
AalianPG23 [1]	AbohashimaEG21 [2]	AbreuAPNM21 [167]	AbreuN22 [168]	AbreuNP23 [169]	AbreuPNF23 [3]
AbrilSB05 [4]	Acuna-AgostMFG09 [5]	Adelgren2023 [7]	AfsarVPG23 [8]	AggounB93 [9]	AggounMV08 [10]
AjiliW04 [12]	AkkerDH07 [613]	AkramNHRS23 [13]	AlesioNBG14 [182]	AlfieriGPS23 [15]	AlizdehS20 [16]
AmadiniGM16 [17]	AngelsmarkJ00 [18]	AntunesABD18 [19]	AntunesABD20 [20]	AntuoriHHEN20 [21]	AntuoriHHEN21 [22]
ArbaouiY18 [24]	ArkhipovBL19 [25]	ArmstrongGOS21 [26]	ArmstrongGOS22 [27]	AronssonBK09 [29]	ArtiguesBF04 [30]
ArtiguesDN08 [31]	ArtiguesHQT21 [32]	ArtiguesR00 [33]	ArtiouchineB05 [34]	Astrand0F21 [36]	Astrand21 [35]
AstrandJZ18 [37]	AstrandJZ20 [38]	BadicaBI20 [39]	BadicaBIL19 [40]	BajestaniB11 [41]	BajestaniB13 [42]
BajestaniB15 [43]	BandaSC11 [171]	Baptiste02 [44]	Baptiste09 [45]	BaptisteB18 [46]	BaptisteLPN06 [47]
BaptisteLV92 [51]	BaptisteP00 [49]	BaptisteP97 [48]	BaptistePN01 [50]	BarlattCG08 [52]	Bartak02 [54]
Bartak02a [53]	Bartak14 [55]	BartakCS10 [56]	BartakS11 [57]	BartakSR10 [58]	BartakV15 [59]
BartoliniBBLM14 [60]	BarzegaranZP20 [61]	Beck06 [63]	Beck07 [64]	Beck99 [62]	BeckDF97 [65]
BeckF00 [68]	BeckF98 [67]	BeckFW11 [66]	BeckPS03 [69]	BeckR03 [70]	BeckW04 [71]
BeckW05 [72]	BeckW07 [73]	Bedhief21 [74]	BegB13 [75]	BehrensLM19 [76]	BeldiceanuC02 [79]
BeldiceanuC94 [78]	BeldiceanuCDP11 [80]	BeldiceanuCP08 [81]	BeldiceanuP07 [82]	BelhadjiI98 [83]	BenderWS21 [84]
BenediktMH20 [86]	BenediktSMVH18 [87]	BeniniBGM06 [88]	BeniniLMR08 [89]	BeniniLMR11 [90]	BensanaLV99 [91]
BertholdHLMS10 [92]	BessiereHMQW14 [93]	BidotVLB09 [94]	BillautHL12 [95]	Bit-Monnot23 [96]	BlazewiczDP96 [126]
BlazewiczEP19 [97]	BlomBPS14 [99]	BlomPS16 [100]	BocewiczBB09 [101]	BofillCSV17 [103]	BofillEGPSV14 [104]
BofillGSV15 [105]	BogaerdtW19 [614]	Bonfietti16 [106]	BonfiettiLBM11 [107]	BonfiettiLBM12 [108]	BonfiettiLBM14 [109]
BonfiettiLM13 [110]	BonfiettiLM14 [111]	BonfiettiM12 [112]	BonfiettiZLM16 [113]	BonninMNE24 [114]	BoothNB16 [115]
BorghesiBLMB18 [116]	BoucherBVBL97 [117]	BoudreaultSLQ22 [118]	BourreauGGLT22 [119]	BreitingerL95 [120]	BridiBLMB16 [121]
BridiLBBM16 [122]	BrusoniCLMMT96 [124]	BurtLPS15 [125]	Caballero19 [127]	Caballero23 [128]	CampeauG22 [129]
CappartS17 [130]	CappartTSR18 [131]	CarchraeB09 [132]	CarchraeBF05 [133]	CarlierSJP21 [137]	Caseau97 [138]
CastroGR10 [139]	CatusseCBL16 [140]	CauwelaertDMS16 [141]	CauwelaertDS20 [143]	CauwelaertLS18 [142]	CestaOPS14 [144]
CestaOS98 [145]	ChapadosJR11 [146]	ChenGPSH10 [147]	ChuGNSW13 [148]	ChuX05 [149]	CireCH13 [150]
CireCH16 [151]	Clercq12 [170]	ClercqPBJ11 [152]	CobanH10 [153]	CobanH11 [154]	CohenHB17 [155]
ColT19 [157]	ColT22 [161]	Colombani96 [158]	CorreaLR07 [159]	CzerniachowskaWZ23 [160]	DannaP03 [163]
DannaP04 [162]	Darby-DowmanLMZ97 [164]	Davenport10 [165]	DavenportKRSH07 [166]	Dejemeppe16 [173]	DejemeppeCS15 [174]
DejemeppeD14 [175]	Demasse03 [176]	Demasse05 [177]	DemirovicS18 [178]	Derrien15 [179]	DerrienP14 [180]
DerrienPZ14 [181]	DilkinaDH05 [183]	DincbasSH90 [185]	DomdorfPH03 [186]	DoomsH08 [187]	DorndorfHP99 [188]
DorndorfPH99 [189]	DoulabiRP14 [190]	DoulabiRP16 [191]	EdisO11 [192]	EdisO11a [193]	EdwardsBSE19 [194]
EfthymiouY23 [195]	ElciOH22 [196]	Elkhyari03 [197]	ElkhyariGJ02 [198]	ElkhyariGJ02a [199]	EmdeZD22 [200]
ErtIK91 [201]	EscobetPQPRA19 [202]	EtminaniesfahaniGNMS22 [203]	EvenSH15 [204]	EvenSH15a [205]	Fahimi16 [206]
FahimiOQ18 [207]	FahimiQ23 [208]	FalaschiGMP97 [209]	FallahAC20 [210]	FanXG21 [211]	FarsiTM22 [212]
Fatemi-AnarakiTFV23 [213]	FetgoD22 [215]	FocacciLN00 [216]	FontaineMH16 [217]	ForbesHJST24 [218]	FortinZDF05 [219]
FoxAS82 [220]	FrankK05 [221]	FriedrichFMRSS14 [222]	FrimodigS19 [223]	Froger16 [224]	FrohnerTR19 [225]
FrostD98 [226]	GalleguillosKSB19 [227]	GarganiR07 [228]	GarridoAO09 [229]	GarridoOS08 [230]	GayHLS15 [231]

Table 1: Key Overview (Total: 656)

1	2	3	4	5	6
GayHS15 [232]	GayHS15a [233]	GaySS14 [234]	GedikKEK18 [235]	GeibingerKKMMW21 [236]	GeibingerMM19 [238]
GeibingerMM21 [239]	GeitzGSSW22 [240]	GelainPRVW17 [241]	German18 [242]	Geske05 [243]	GhasemiMH23 [244]
GilesH16 [245]	GingrasQ16 [246]	GodardLN05 [247]	Godet21a [248]	GodetLHS20 [249]	GoelSHFS15 [250]
GokGSTO20 [251]	GokPTGO23 [275]	GokgurHO18 [252]	GoldwaserS17 [253]	GoldwaserS18 [254]	Goltz95 [255]
GombolayWS18 [256]	GomesHS06 [257]	GomesM17 [258]	GrimesH10 [259]	GrimesH11 [260]	GrimesH15 [261]
GrimesHM09 [262]	GrimesIOS14 [263]	Groleaz21 [264]	GroleazNS20 [266]	GroleazNS20a [265]	GruianK98 [267]
GuSS13 [268]	GuSSWC14 [269]	GuSW12 [270]	GuoHLW20 [271]	GuoZ23 [272]	GurEA19 [679]
GurPAE23 [273]	GuyonLPR12 [274]	HachemiGR11 [276]	Ham18 [277]	Ham18a [278]	HamC16 [280]
HamPK21 [279]	HanenKP21 [281]	HarjunkoskiG02 [282]	HarjunkoskiMBC14 [283]	HauderBRPA20 [287]	He0GLW18 [288]
HebrardALLCMR22 [289]	HebrardHJMPV16 [290]	HebrardTW05 [291]	HechingH16 [292]	HeckmanB11 [293]	HeinzB12 [294]
HeinzKB13 [295]	HeinzNVH22 [299]	HeinzS11 [297]	HeinzSB13 [298]	HeinzSSW12 [296]	HeipckeCCS00 [301]
HentenryckM04 [302]	HentenryckM08 [303]	HermenierDL11 [304]	HillBCGN22 [305]	HillTV21 [306]	HoYCLLC18 [307]
HoeveGSL07 [616]	Hooker00 [308]	Hooker04 [309]	Hooker05 [310]	Hooker05a [311]	Hooker06 [312]
Hooker07 [313]	Hooker10 [314]	Hooker17 [315]	Hooker19 [316]	HookerH17 [318]	HookerO03 [317]
HookerY02 [319]	HoundjiSW19 [320]	HoundjiSWD14 [321]	HubnerGSV21 [322]	HurleyOS16 [323]	IfrimOS12 [324]
IsikYA23 [325]	JainG01 [327]	JainM99 [326]	Jans09 [328]	JelinekB16 [329]	JourdanFRD94 [330]
JungblutK22 [331]	JuvinHHL23 [332]	JuvinHL22 [333]	JuvinHL23 [334]	JuvinHL23a [335]	KamarainenS02 [336]
Kameugne14 [337]	Kameugne15 [338]	KameugneFGOQ18 [339]	KameugneFND23 [340]	KameugneFSN11 [341]	KameugneFSN14 [342]
KanetAG04 [343]	KelarevaTK13 [344]	KelbelH11 [345]	KeriK07 [346]	KhayatLR06 [347]	KhemmoudjPB06 [348]
KimCMLLP23 [349]	KlankeBYE21 [350]	KletzanderM17 [351]	KoehlerBFFHPSSS21 [352]	KorbaaYG00 [356]	KorbaaYG99 [355]
KoschB14 [357]	KovacsB07 [358]	KovacsB08 [359]	KovacsB11 [360]	KovacsEKV05 [361]	KovacsK11 [362]
KovacsTKSG21 [365]	KovacsV04 [363]	KovacsV06 [364]	KreterSS15 [366]	KreterSS17 [367]	KreterSSZ18 [368]
KrogtLPHJ07 [615]	KuB16 [369]	KuchcinskiW03 [370]	KucukY19 [372]	Kumar03 [371]	Laborie03 [373]
Laborie09 [374]	Laborie18a [375]	LaborieRSV18 [376]	LacknerMMWW21 [377]	LacknerMMWW23 [378]	LahimerLH11 [379]
LammaMM97 [381]	LauLN08 [382]	Layfield02 [384]	Lemos21 [385]	Letort13 [386]	LetortBC12 [387]
LetortCB13 [388]	LetortCB15 [389]	LiFJZLL22 [391]	LiW08 [390]	LiessM08 [392]	LimBTBB15 [395]
LimHTB16 [394]	LimRX04 [393]	Limtanyakul07 [396]	LimtanyakulS12 [397]	LipovetzkyBPS14 [398]	LiuCGM17 [400]
LiuJ06 [401]	LiuLH19 [399]	Lombardi10 [402]	LombardiBM15 [403]	LombardiBMB11 [404]	LombardiM09 [405]
LombardiM10 [407]	LombardiM10a [406]	LombardiM12 [409]	LombardiM12a [408]	LombardiM13 [410]	LombardiMB13 [411]
LombardiMRB10 [412]	LopesCSM10 [413]	LopezAKYG00 [414]	LorigeonBB02 [415]	LouieVNB14 [416]	Lunardi20 [418]
LunardiBLRV20 [417]	LuoB22 [420]	LuoVLBM16 [419]	Madi-WambaB16 [421]	Madi-WambaLOBM17 [422]	MakMS10 [423]
Malapert11 [424]	MalapertCGJLR12 [425]	MalapertCGJLR13 [426]	MalapertN19 [427]	Malik08 [428]	MalikMB08 [429]
MaraveliasG04 [430]	MartinPY01 [431]	MartnezAJ22 [432]	Mason01 [433]	Mehdizadeh-Somarin23 [434]	MejiaY20 [435]
MelgarejoLS15 [11]	Menana11 [436]	MenciaSV12 [437]	MenciaSV13 [438]	MengZRZL20 [439]	Mercier-AubinGQ20 [440]
MercierH08 [440]	Milano11 [442]	MilanoORT02 [443]	MilanoW06 [444]	MilanoW09 [445]	MoffittPP05 [446]
MokhtarzadehTNF20 [447]	MonetteDD07 [448]	MonetteDH09 [449]	MontemanniD23 [451]	MontemanniD23a [450]	MossigeGSMC17 [452]

Table 1: Key Overview (Total: 656)

1	2	3	4	5	6
MouraSCL08 [454]	MouraSCL08a [453]	MullerMKP22 [455]	MurinR19 [456]	MurphyMB15 [457]	Muscettola02 [458]
MusliuSS18 [459]	NaderiBZ22 [461]	NaderiBZ22a [460]	NaderiR22 [462]	NaderiRBAU21 [463]	NaderiRR23 [464]
Nattaf16 [465]	NattafAL15 [466]	NattafAL17 [467]	NattafALR16 [468]	NattafDYW19 [469]	NattafHKAL19 [470]
NattafM20 [471]	NeronABCDD06 [485]	NishikawaSTT18 [474]	NishikawaSTT18a [475]	NishikawaSTT19 [476]	NouriMHD23 [611]
NovaraNH16 [477]	Novas19 [478]	NovasH10 [479]	NovasH12 [480]	NovasH14 [481]	NuijtenA94 [482]
NuijtenA96 [484]	NuijtenP98 [483]	OddiPCC03 [486]	OhrimenkoSC09 [487]	OrnekO16 [488]	OrnekOS20 [489]
OuelletQ13 [490]	OuelletQ18 [491]	OuelletQ22 [492]	OujanaAYB22 [493]	OzturkTHO10 [494]	OzturkTHO12 [677]
OzturkTHO13 [495]	OzturkTHO15 [678]	PandeyS21a [496]	PapaB98 [499]	Pape94 [497]	PapeB97 [498]
ParkUJR19 [500]	PembertonG98 [501]	PenzDN23 [502]	PerezGSL23 [503]	PesantRR15 [505]	PoderB08 [507]
PoderBS04 [508]	PohlAK22 [509]	Polo-MejiaALB20 [510]	PopovicCGNC22 [511]	PourDERB18 [512]	PovedaAA23 [513]
Pralet17 [514]	PraletLJ15 [515]	PrataAN23 [516]	Puget95 [517]	QinDCS20 [519]	QinWSLS21 [518]
QuSN06 [520]	QuirogaZH05 [521]	RendlPHPR12 [523]	RiahiNS018 [524]	RodosekW98 [525]	Rodriguez07 [527]
RodriguezDG02 [526]	RoshanaeiBAUB20 [528]	RoshanaeiLAU17 [529]	RoshanaeiLAU17a [530]	RossiTHP07 [531]	RuggieroBBMA09 [532]
SacramentoSP20 [533]	Sadykov04 [534]	SadykovW06 [535]	SakkoutW00 [536]	SchausD08 [537]	SchausHMCMD11 [538]
SchildW00 [539]	SchnellH15 [540]	Schutt11 [541]	SchuttCSW12 [542]	SchuttFS13 [544]	SchuttFS13a [543]
SchuttFSW09 [545]	SchuttFSW11 [547]	SchuttFSW13 [548]	SchuttFSW15 [549]	SchuttS16 [550]	SchuttW10 [551]
SchuttWS05 [552]	SerraNM12 [553]	ShaikhK23 [554]	ShiYXQ22 [556]	ShinBBHO18 [557]	Siala15 [558]
Siala15a [559]	SialaAH15 [560]	SimoninAHL12 [561]	SimoninAHL15 [562]	Simonis07 [566]	Simonis95 [564]
Simonis95a [563]	Simonis99 [565]	SimonisC95 [568]	SimonisCK00 [567]	SimonisH11 [569]	SourdN00 [570]
SquillaciPR23 [571]	SubulanC22 [572]	SunLYL10 [574]	SureshMOK06 [575]	SvancaraB22 [576]	SzerediS16 [577]
TanT18 [579]	TangB20 [580]	TangLWSK18 [581]	TardivoDFMP23 [582]	TasselGS23 [583]	Tay92 [585]
Teppan22 [586]	TerekhovDOB12 [587]	TerekhovTDB14 [588]	Tesch16 [589]	Tesch18 [590]	ThiruvadyBME09 [591]
ThiruvadyWGS14 [592]	ThomasKS20 [593]	Thorsteinsson01 [594]	Timpe02 [595]	Tom19 [596]	TopalogluO11 [597]
TorresL00 [598]	TouatBT22 [599]	Touraivane95 [600]	TranAB16 [601]	TranB12 [602]	TranDRFWOVB16 [603]
TranPZLDB18 [604]	TranTDB13 [605]	TranVNB17 [606]	TranVNB17a [607]	TranWDRFOVB16 [608]	TrojetHL11 [609]
Tsang03 [610]	ValleMGT03 [612]	VanczaM01 [617]	VerfaillieL01 [618]	Vilim02 [619]	Vilim03 [620]
Vilim04 [621]	Vilim05 [622]	Vilim09 [623]	Vilim09a [624]	Vilim11 [625]	VilimBC04 [626]
VilimBC05 [627]	VilimLS15 [628]	VillaverdeP04 [629]	VlkHT21 [630]	Wallace06 [633]	Wallace94 [631]
Wallace96 [632]	WallaceY20 [634]	WangB20 [635]	WangB23 [636]	WangMD15 [637]	WariZ19 [638]
WatsonB08 [639]	WessenCS20 [640]	WikarekS19 [641]	WinterMMW22 [642]	Wolf03 [643]	Wolf05 [644]
Wolf09 [647]	Wolf11 [645]	WolfS05 [646]	WolinskiKG04 [648]	WuBB05 [649]	WuBB09 [650]
YangSS19 [651]	YounespourAKE19 [652]	YoungFS17 [653]	YunusogluY22 [655]	YuraszeckMC23 [656]	YuraszeckMCCR23 [657]
YuraszeckMPV22 [657]	Zahout21 [659]	ZarandiASC20 [661]	ZarandiB12 [214]	ZarandiKS16 [660]	ZeballosH05 [662]
ZeballosQH10 [663]	ZhangBB22 [665]	ZhangJZL22 [664]	ZhangLS12 [668]	ZhangW18 [667]	ZhangYW21 [666]
Zhou96 [669]	Zhou97 [670]	ZhouGL15 [671]	ZhuS02 [672]	ZhuSZW23 [673]	ZibranR11 [674]
ZibranR11a [675]	ZouZ20 [676]	abs-0907-0939 [506]	abs-1009-0347 [546]	abs-1901-07914 [77]	abs-1902-01193 [14]

Table 1: Key Overview (Total: 656)

1	2	3	4	5	6
abs-1902-09244 [286]	abs-1911-04766 [237]	abs-2102-08778 [156]	abs-2211-14492 [573]	abs-2305-19888 [300]	abs-2306-05747 [584]
abs-2312-13682 [504]	abs-2402-00459 [473]				

2 Conference Paper List

This section presents the information for all conference papers included in the survey. For space reasons, not all information about the papers can be presented in a single table, we therefore split the data into three parts. The first part contains the main bibliographical information for the paper. The paper are sorted by year of publication (newest first), and then alphabetically by key.

The key contains a hyperlink to the original source URL of the paper. You may have to navigate manually to download the actual paper content, and you may be unable to access the paper completely if it is behind a paywall for which you (or your organization) do not have access.

We then list the authors of the paper, in the other given in the bibtex file, abbreviating first names for space where we can identify them. Note that names with non-latin characters are not handled by latex. We use the form that is given in the bibtex file, but have excluded entries that cause latex to fail.

We then give the title of the publication, using the original capitalization of the title entry in the bibtex entry, which may differ from the format shown in the bibliography. We then (column LC) provide a link to a local copy, if it is present, and a link to the bibliography entry of the paper. We also show the year of publication, and the conference where the paper was published, using a short form abbreviation of the conference. This relies on a matching routine in the Java code to find the short title, new conference series may require an additional entry in `ImportBibtex.java` to work properly. Finally we list the number of pages of the paper, this information is using the bibtex entry where possible, otherwise uses `pdfinfo` to extract the actual number of pages from the local copy. The final columns b and c provide links to the corresponding tables of extracted concepts and manual information. Note that the links to typically show the correct page, not do not necessarily scroll to the correct line in the table.

2.1 Papers from bibtex

Table 2: Works from bibtex (Total 327)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BonninMNE24 BonninMNE24	C. Bonnin, A. Malapert, M. Nattaf, M. Espinouse	Toward a Global Constraint for Minimizing the Flowtime	Yes	[114]	2024	ICORES 2024	12	0	0	385	647
AalianPG23 AalianPG23	Y. Aalian, G. Pesant, M. Gamache	Optimization of Short-Term Underground Mine Planning Using Constraint Programming	Yes	[1]	2023	CP 2023	16	0	0	328	648
Bit-Monnot23 Bit-Monnot23	A. Bit-Monnot	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	Yes	[96]	2023	ECAI 2023	8	0	0	374	649
EfthymiouY23 EfthymiouY23	N. Efthymiou, N. Yorke-Smith	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	Yes	[195]	2023	CPAIOR 2023	16	0	23	419	650
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[332]	2023	CP 2023	16	0	0	481	651
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[334]	2023	CPAIOR 2023	16	0	11	482	652
KameugneFND23 KameugneFND23	R. Kameugne, Séverine Betmbe Fetgo, T. Noulamo, Clémentin Tayou Djamégni	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	Yes	[340]	2023	CP 2023	17	0	0	485	653
KimCMLLP23 KimCMLLP23	D. Kim, Y. Choi, K. Moon, M. Lee, K. Lee, Michael L. Pinedo	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Yes	[349]	2023	CPAIOR 2023	16	0	13	490	654
Mehdizadeh-Somarin23 Mehdizadeh-Somarin23	Z. Mehdizadeh-Somarin, R. Tavakkoli-Moghaddam, M. Rohaninejad, Z. Hanzálek, Behdin Vahedi Nouri	A Constraint Programming Model for a Reconfigurable Job Shop Scheduling Problem with Machine Availability	Yes	[434]	2023	APMS 2023	14	0	0	534	655
PerezGSL23 PerezGSL23	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	Yes	[503]	2023	ICTAI 2023	7	0	0	558	656
PovedaAA23 PovedaAA23	G. Poveda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	Yes	[513]	2023	CP 2023	21	0	0	562	657
SquillaciPR23 SquillaciPR23	S. Squillaci, C. Pralet, S. Roussel	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Yes	[571]	2023	CPAIOR 2023	17	0	19	589	658
TardivoDFMP23 TardivoDFMP23	F. Tardivo, A. Dovier, A. Formisano, L. Michel, E. Pontelli	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	Yes	[582]	2023	CPAIOR 2023	18	0	30	595	659
TasselGS23 TasselGS23	P. Tassel, M. Gebser, K. Schekotihin	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	Yes	[583]	2023	ICAPS 2023	9	0	0	596	660
WangB23 WangB23	R. Wang, N. Barnier	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	Yes	[636]	2023	ICTAI 2023	8	0	0	625	661
YuraszeckMC23 YuraszeckMC23	F. Yuraszeck, G. Mejía, D. Canut-de-Bon	A competitive constraint programming approach for the group shop scheduling problem	Yes	[656]	2023	ANT 2023	6	1	15	638	662
ArmstrongGOS22 ArmstrongGOS22	E. Armstrong, M. Garraffa, B. O’Sullivan, H. Simonis	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	Yes	[27]	2022	CPAIOR 2022	13	0	14	340	663
BoudreaultSLQ22 BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling	Yes	[118]	2022	CP 2022	16	0	0	387	664
GeitzGSSW22 GeitzGSSW22	M. Geitz, C. Grozea, W. Steigerwald, R. Stöhr, A. Wolf	Solving the Extended Job Shop Scheduling Problem with AGVs - Classical and Quantum Approaches	Yes	[240]	2022	CPAIOR 2022	18	0	24	440	665
HebrardALLCMR22 HebrardALLCMR22	E. Hebrard, C. Artigues, P. Lopez, A. Lusson, Steve A. Chien, A. Maillard, Gregg R. Rabideau	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration	Yes	[289]	2022	IJCAI 2022	7	0	0	461	666
JungblutK22 JungblutK22	P. Jungblut, D. Kranzlmüller	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	Yes	[331]	2022	IPDPS 2022	4	0	0	480	667

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LiFJZLL22 LiFJZLL22	X. Li, J. Fu, Z. Jia, Z. Zhao, S. Li, S. Liu	Constraint Programming for a Novel Integrated Optimization of Blocking Job Shop Scheduling and Variable-Speed Transfer Robot Assignment	Yes	[391]	2022	ICNSC 2022	6	0	31	511	668
LuoB22 LuoB22	Yiqing L. Luo, J. Christopher Beck	Packing by Scheduling: Using Constraint Programming to Solve a Complex 2D Cutting Stock Problem	Yes	[420]	2022	CPAIOR 2022	17	0	28	526	669
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[492]	2022	CPAIOR 2022	17	1	22	554	670
OujanaAYB22 OujanaAYB22	S. Oujana, L. Amodeo, F. Yalaoui, D. Brodard	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	Yes	[493]	2022	CoDIT 2022	6	1	21	555	671
PopovicCGNC22 PopovicCGNC22	L. Popovic, A. Côté, M. Gaha, F. Nguewouo, Q. Cappart	Scheduling the Equipment Maintenance of an Electric Power Transmission Network Using Constraint Programming	Yes	[511]	2022	CP 2022	15	0	0	561	672
SvancaraB22 SvancaraB22	J. Svancara, R. Barták	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling	Yes	[576]	2022	ICAART 2022	8	0	0	591	673
Teppan22 Teppan22	Erich Christian Teppan	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	Yes	[586]	2022	ICAART 2022	8	0	0	597	674
TouatBT22 TouatBT22	M. Touat, B. Benhamou, Fatima Benbouzid-Si Tayeb	A Constraint Programming Model for the Scheduling Problem with Flexible Maintenance under Human Resource Constraints	Yes	[599]	2022	ICAART 2022	8	0	0	604	675
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[642]	2022	CP 2022	18	0	0	628	676
ZhangBB22 ZhangBB22	J. Zhang, Giovanni Lo Bianco, J. Christopher Beck	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware	Yes	[665]	2022	ICAPS 2022	9	0	0	639	677
ZhangJZL22 ZhangJZL22	H. Zhang, Y. Ji, Z. Zhao, S. Liu	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	Yes	[664]	2022	ICNSC 2022	6	0	21	640	678
AntuoriHHEN21 AntuoriHHEN21	V. Antuori, E. Hebrard, M. Huguet, S. Essodaigui, A. Nguyen	Combining Monte Carlo Tree Search and Depth First Search Methods for a Car Manufacturing Workshop Scheduling Problem	Yes	[22]	2021	CP 2021	16	0	0	337	679
ArmstrongGOS21 ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O’Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[26]	2021	CP 2021	18	1	0	339	680
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	Yes	[32]	2021	ICORES 2021	8	0	0	343	681
Astrand0F21 Astrand0F21	M. Åstrand, M. Johansson, Hamid Reza Feyzmahdavian	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	Yes	[36]	2021	CPAIOR 2021	18	2	25	345	682
BenderWS21 BenderWS21	T. Bender, D. Wittwer, T. Schmidt	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	Yes	[84]	2021	ICCL 2021	16	1	16	367	683
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[236]	2021	CPAIOR 2021	10	0	6	437	684
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[239]	2021	AAAI 2021	9	0	0	439	685
HanenKP21 HanenKP21	C. Hanen, Alix Munier Kordon, T. Pedersen	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Yes	[281]	2021	CPAIOR 2021	17	1	24	459	686
HillTV21 HillTV21	A. Hill, J. Ticktin, Thomas W. M. Vossen	A Computational Study of Constraint Programming Approaches for Resource-Constrained Project Scheduling with Autonomous Learning Effects	Yes	[306]	2021	CPAIOR 2021	19	0	38	470	687
KlankeBYE21 KlankeBYE21	C. Klanke, Dominik R. Bleidorn, V. Yfantis, S. Engell	Combining Constraint Programming and Temporal Decomposition Approaches - Scheduling of an Industrial Formulation Plant	Yes	[350]	2021	CPAIOR 2021	16	3	13	491	688
KovacsTKSG21 KovacsTKSG21	B. Kovács, P. Tassel, W. Kohlenbrein, P. Schrott-Kostwein, M. Gebser	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Yes	[365]	2021	CP 2021	17	0	0	497	689

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LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[377]	2021	CP 2021	18	0	0	506	690
AntuoriHHEN20 AntuoriHHEN20	V. Antuori, E. Hebrard, M. Huguet, S. Essodaigui, A. Nguyen	Leveraging Reinforcement Learning, Constraint Programming and Local Search: A Case Study in Car Manufacturing	Yes	[21]	2020	CP 2020	16	3	8	336	691
BarzegaranZP20 BarzegaranZP20	M. Barzegaran, B. Zarrin, P. Pop	Quality-Of-Control-Aware Scheduling of Communication in TSN-Based Fog Computing Platforms Using Constraint Programming	Yes	[61]	2020	Fog-IoT 2020	9	0	0	357	692
GodetLHS20 GodetLHS20	A. Godet, X. Lorca, E. Hebrard, G. Simonin	Using Approximation within Constraint Programming to Solve the Parallel Machine Scheduling Problem with Additional Unit Resources	Yes	[249]	2020	AAAI 2020	8	1	0	446	693
GokGSTO20 GokGSTO20	Yagmur S. Gök, D. Guimarans, Peter J. Stuckey, M. Tomasella, C. Ozturk	Robust Resource Planning for Aircraft Ground Operations	Yes	[251]	2020	CPAIOR 2020	17	2	14	447	694
GroleazNS20 GroleazNS20	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	Solving the Group Cumulative Scheduling Problem with CPO and ACO	Yes	[266]	2020	CP 2020	17	1	25	454	695
GroleazNS20a GroleazNS20a	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	Yes	[265]	2020	GECCO 2020	9	3	28	455	696
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[441]	2020	CPAIOR 2020	13	2	13	536	697
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[471]	2020	CP 2020	16	0	6	547	698
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[580]	2020	CPAIOR 2020	16	6	12	594	699
ThomasKS20 ThomasKS20	C. Thomas, R. Kameugne, P. Schaus	Insertion Sequence Variables for Hybrid Routing and Scheduling Problems	Yes	[593]	2020	CPAIOR 2020	18	0	16	601	700
WangB20 WangB20	R. Wang, N. Barnier	Global Propagation of Transition Cost for Fixed Job Scheduling	Yes	[635]	2020	ECAI 2020	8	0	0	624	701
WessenCS20 WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Yes	[640]	2020	CPAIOR 2020	10	2	11	627	702
BadicaBIL19 BadicaBIL19	A. Badica, C. Badica, M. Ivanovic, D. Logofatu	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	Yes	[40]	2019	IDC 2019	11	2	6	347	703
BehrensLM19 BehrensLM19	Jan Kristof Behrens, R. Lange, M. Mansouri	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks	Yes	[76]	2019	ICRA 2019	7	12	18	363	704
BogaerdtW19 BogaerdtW19	Pim van den Bogaerdt, Mathijs de Weerdt	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	Yes	[614]	2019	CPAIOR 2019	16	1	16	378	705
ColT19 ColT19	Giacomo Da Col, Erich Christian Teppan	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	Yes	[157]	2019	CP 2019	17	11	12	405	706
FrimodigS19 FrimodigS19	S. Frimodig, C. Schulte	Models for Radiation Therapy Patient Scheduling	Yes	[223]	2019	CP 2019	17	3	26	428	707
FrohnerTR19 FrohnerTR19	N. Frohner, S. Teuschl, Günther R. Raidl	Casual Employee Scheduling with Constraint Programming and Metaheuristics	Yes	[225]	2019	EUROCAST 2019	9	0	6	429	708
GalleguillosKSB19 GalleguillosKSB19	C. Galleguillos, Z. Kiziltan, A. Sirbu, Özalp Babaoğlu	Constraint Programming-Based Job Dispatching for Modern HPC Applications	Yes	[227]	2019	CP 2019	18	1	27	431	709
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[238]	2019	CPAIOR 2019	16	6	15	438	710
KucukY19 KucukY19	M. Küçük, Seyda Topaloglu Yildiz	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem	Yes	[372]	2019	RAST 2019	5	0	0	502	711
LiuLH19 LiuLH19	K. Liu, S. Löffler, P. Hofstedt	Solving the Talent Scheduling Problem by Parallel Constraint Programming	Yes	[399]	2019	AIAI 2019	9	1	5	519	712

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MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[427]	2019	CPAIOR 2019	17	1	7	532	713
MurinR19 MurinR19	S. Murín, H. Rudová	Scheduling of Mobile Robots Using Constraint Programming	Yes	[456]	2019	CP 2019	16	2	22	543	714
ParkUJR19 ParkUJR19	H. Park, J. Um, J. Jung, M. Ruskowski	Developing a Production Scheduling System for Modular Factory Using Constraint Programming	Yes	[500]	2019	RAAD 2019	8	1	3	556	715
Tom19 Tom19	M. Tom	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling	Yes	[596]	2019	FUZZ-IEEE 2019	6	0	21	603	716
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[651]	2019	CPAIOR 2019	10	1	14	636	717
AntunesABD18 AntunesABD18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O’Keeffe, Y. Lin, B. O’Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[19]	2018	ICTAI 2018	8	1	24	335	718
ArbaouiY18 ArbaouiY18	T. Arbaoui, F. Yalaoui	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming	Yes	[24]	2018	ACIHDS 2018	10	2	14	338	719
AstrandJZ18 AstrandJZ18	M. Åstrand, M. Johansson, A. Zanarini	Fleet Scheduling in Underground Mines Using Constraint Programming	Yes	[37]	2018	CPAIOR 2018	9	9	10	346	720
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[87]	2018	CPAIOR 2018	10	2	12	368	721
CappartTSR18 CappartTSR18	Q. Cappart, C. Thomas, P. Schaus, L. Rousseau	A Constraint Programming Approach for Solving Patient Transportation Problems	Yes	[131]	2018	CP 2018	17	6	31	392	722
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[178]	2018	CPAIOR 2018	18	4	16	412	723
He0GLW18 He0GLW18	S. He, M. Wallace, G. Gange, A. Liebman, C. Wilson	A Fast and Scalable Algorithm for Scheduling Large Numbers of Devices Under Real-Time Pricing	Yes	[288]	2018	CP 2018	18	6	26	460	724
HoYCLLC18 HoYCLLC18	T. Ho, J. Yao, Y. Chang, F. Lai, J. Lai, S. Chu, W. Liao, H. Chiu	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints	Yes	[307]	2018	AICCC 2018	6	2	14	471	725
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Séverine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[339]	2018	CPAIOR 2018	17	1	12	484	726
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[375]	2018	CPAIOR 2018	9	18	10	505	727
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[459]	2018	CPAIOR 2018	17	7	23	546	728
NishikawaSTT18 NishikawaSTT18	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Fork-Join Tasks with Constraint Programming	Yes	[474]	2018	CANDAR 2018	6	2	14	548	729
NishikawaSTT18a NishikawaSTT18a	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Tasks Based on Constraint Programming	Yes	[475]	2018	TENCON 2018	6	1	9	549	730
OuelletQ18 OuelletQ18	Y. Ouellet, C. Quimper	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning	Yes	[491]	2018	CPAIOR 2018	18	6	16	553	731
RiahiNS018 RiahiNS018	V. Riahi, M. A. Hakim Newton, K. Su, A. Sattar	Local Search for Flowshops with Setup Times and Blocking Constraints	Yes	[524]	2018	ICAPS 2018	9	0	0	569	732
TanT18 TanT18	Y. Tan, D. Terekhov	Logic-Based Benders Decomposition for Two-Stage Flexible Flow Shop Scheduling with Unrelated Parallel Machines	Yes	[579]	2018	Canadian AI 2018	12	1	23	593	733
Tesch18 Tesch18	A. Tesch	Improving Energetic Propagations for Cumulative Scheduling	Yes	[590]	2018	CP 2018	17	5	21	599	734
BofillCSV17 BofillCSV17	M. Bofill, J. Coll, J. Suy, M. Villaret	An Efficient SMT Approach to Solve MRCPSP/max Instances with Tight Constraints on Resources	Yes	[103]	2017	CP 2017	9	1	12	375	735

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CappartS17	CappartS17	Q. Cappart, P. Schaus	Yes	[130]	2017	CPAIOR 2017	16	2	28	391	736
CohenHB17	CohenHB17	E. Cohen, G. Huang, J. Christopher Beck	Yes	[155]	2017	SAT 2017	17	1	12	404	737
GelainPRVW17	GelainPRVW17	M. Gelain, Maria Silvia Pini, F. Rossi, Kristen Brent Venable, T. Walsh	Yes	[241]	2017	CPAIOR 2017	16	1	5	441	738
GoldwaserS17	GoldwaserS17	A. Goldwaser, A. Schutt	Yes	[253]	2017	CP 2017	16	0	10	448	739
Hooker17	Hooker17	John N. Hooker	Yes	[315]	2017	CP 2017	14	6	24	475	740
KletzanderM17	KletzanderM17	L. Kletzander, N. Musliu	Yes	[351]	2017	CPAIOR 2017	15	1	9	492	741
LiuCGM17	LiuCGM17	T. Liu, Roberto Di Cosmo, M. Gabbrielli, J. Mauro	Yes	[400]	2017	CP 2017	17	0	15	517	742
Madi-WambaLOBM17	Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Yes	[422]	2017	ICPADS 2017	8	1	8	529	743
MossigeGSMC17	MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Yes	[452]	2017	CP 2017	18	6	33	540	744
Pralet17	Pralet17	C. Pralet	Yes	[514]	2017	CP 2017	19	1	30	563	745
TranVNB17a	TranVNB17a	Tony T. Tran, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	Yes	[607]	2017	IJCAI 2017	5	1	0	609	746
YoungFS17	YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Yes	[653]	2017	CP 2017	10	6	21	637	747
AmadiniGM16	AmadiniGM16	R. Amadini, M. Gabbrielli, J. Mauro	Yes	[17]	2016	LION 2016	7	2	16	333	748
BonfiettiZLM16	BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	Yes	[113]	2016	CP 2016	17	0	11	384	749
BoothNB16	BoothNB16	Kyle E. C. Booth, G. Nejat, J. Christopher Beck	Yes	[115]	2016	CP 2016	17	21	24	386	750
BridiLBBM16	BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	Yes	[122]	2016	ECAI 2016	2	0	0	388	751
CatusseCBL16	CatusseCBL16	N. Catusse, H. Cambazard, N. Brauner, P. Lemaire, B. Penz, A. Lagrange, P. Rubini	Yes	[140]	2016	IJCAI 2016	7	0	0	395	752
CauwelaertDMS16	CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Yes	[141]	2016	CP 2016	16	1	12	396	753
FontaineMH16	FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Yes	[217]	2016	CPAIOR 2016	11	3	0	425	754
GilesH16	GilesH16	K. Giles, Willem-Jan van Hoeve	Yes	[245]	2016	CP 2016	16	2	6	443	755
GingrasQ16	GingrasQ16	V. Gingras, C. Quimper	Yes	[246]	2016	IJCAI 2016	7	0	0	444	756
HechingH16	HechingH16	Aliza R. Heching, John N. Hooker	Yes	[292]	2016	CPAIOR 2016	11	10	0	463	757
JelinekB16	JelinekB16	J. Jelínek, R. Barták	Yes	[329]	2016	PADL 2016	10	0	5	479	758
LimHTB16	LimHTB16	B. Lim, Hassan L. Hijazi, S. Thiébaux, Menkes van den Briel	Yes	[394]	2016	CP 2016	18	2	23	513	759
LuoVLBM16	LuoVLBM16	R. Luo, Richard Anthony Valenzano, Y. Li, J. Christopher Beck, Sheila A. McIlraith	Yes	[419]	2016	KR 2016	4	0	0	527	760

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Madi-WambaB16 Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[421]	2016	CPAIOR 2016	16	0	0	528	761
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[550]	2016	CP 2016	17	3	23	578	762
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[577]	2016	CP 2016	10	9	14	592	763
Tesch16 Tesch16	A. Tesch	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $\mathcal{O}(n^2 \log n)$	Yes	[589]	2016	CP 2016	27	4	14	598	764
TranDRFWOVB16 TranDRFWOVB16	Tony T. Tran, M. Do, Eleanor Gilbert Rieffel, J. Frank, Z. Wang, B. O’Gorman, D. Venturelli, J. Christopher Beck	A Hybrid Quantum-Classical Approach to Solving Scheduling Problems	Yes	[603]	2016	SOCS 2016	9	3	0	607	765
TranWDRFOVB16 TranWDRFOVB16	Tony T. Tran, Z. Wang, M. Do, Eleanor Gilbert Rieffel, J. Frank, B. O’Gorman, D. Venturelli, J. Christopher Beck	Explorations of Quantum-Classical Approaches to Scheduling a Mars Lander Activity Problem	Yes	[608]	2016	AAAI 2016	9	0	0	610	766
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[59]	2015	ICAART 2015	12	0	0	355	767
BofillGSV15 BofillGSV15	M. Bofill, M. Garcia, J. Suy, M. Villaret	MaxSAT-Based Scheduling of B2B Meetings	Yes	[105]	2015	CPAIOR 2015	9	7	8	377	768
BurtLPS15 BurtLPS15	Christina N. Burt, N. Lipovetzky, Adrian R. Pearce, Peter J. Stuckey	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feederate Constraints: A Mine Planning Case Study	Yes	[125]	2015	CPAIOR 2015	17	0	8	390	769
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[174]	2015	CP 2015	16	5	11	410	770
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[204]	2015	CP 2015	18	3	12	423	771
GayHLS15 GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	Yes	[231]	2015	CP 2015	9	20	15	433	772
GayHS15 GayHS15	S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint	Yes	[232]	2015	CP 2015	9	10	9	434	773
GayHS15a GayHS15a	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[233]	2015	CPAIOR 2015	16	5	12	435	774
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[366]	2015	CP 2015	17	7	16	500	775
LimBTBB15 LimBTBB15	B. Lim, Menkes van den Briel, S. Thiébaux, R. Bent, S. Backhaus	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings	Yes	[395]	2015	CPAIOR 2015	15	4	18	512	776
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[403]	2015	CP 2015	16	0	8	520	777
MelgarejoLS15 MelgarejoLS15	P. Aguiar-Melgarejo, P. Laborie, C. Solnon	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems	Yes	[11]	2015	CPAIOR 2015	17	14	17	535	778
MurphyMB15 MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System	Yes	[457]	2015	CP 2015	17	1	20	544	779
PesantRR15 PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	Yes	[505]	2015	CPAIOR 2015	16	1	7	559	780
PraletLJ15 PraletLJ15	C. Pralet, S. Lemai-Chenevier, J. Jaubert	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search	Yes	[515]	2015	CP 2015	16	0	8	564	781
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[560]	2015	CP 2015	10	4	17	582	782
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[628]	2015	CPAIOR 2015	17	31	19	622	783
ZhouGL15 ZhouGL15	J. Zhou, Y. Guo, G. Li	On complex hybrid flexible flowshop scheduling problems based on constraint programming	Yes	[671]	2015	FSKD 2015	5	0	16	643	784
AlesioNBG14 AlesioNBG14	Stefano Di Alesio, S. Nejati, Lionel C. Briand, A. Gotlieb	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing	Yes	[182]	2014	CP 2014	18	3	19	332	785

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BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[60]	2014	CP 2014	16	12	3	356	786
BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[93]	2014	CPAIOR 2014	16	1	3	372	787
BofillEGPSV14	M. Bofill, J. Espasa, M. Garcia, M. Palahí, J. Suy, M. Villaret	Scheduling B2B Meetings	Yes	[104]	2014	CP 2014	16	3	10	376	788
BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[111]	2014	CPAIOR 2014	16	3	12	382	789
DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[175]	2014	CPAIOR 2014	9	0	7	411	790
DerrienP14	A. Derrien, T. Petit	A New Characterization of Relevant Intervals for Energetic Reasoning	Yes	[180]	2014	CP 2014	9	14	0	413	791
DerrienPZ14	A. Derrien, T. Petit, S. Zampelli	A Declarative Paradigm for Robust Cumulative Scheduling	Yes	[181]	2014	CP 2014	9	3	10	414	792
DoulabiRP14	Sayed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[190]	2014	CPAIOR 2014	9	3	10	417	793
FriedrichFMRSS14	G. Friedrich, M. Frühstück, V. Mersheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	No	[222]	2014	GOR 2014	7	3	2	No	794
GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[234]	2014	CP 2014	15	7	11	436	795
HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[321]	2014	CP 2014	16	5	7	477	796
KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[357]	2014	CPAIOR 2014	16	4	18	494	797
LipovetzkyBPS14	N. Lipovetzky, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	Planning for Mining Operations with Time and Resource Constraints	Yes	[398]	2014	ICAPS 2014	9	0	0	516	798
LouieVNB14	Wing-Yue Geoffrey Louie, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities	Yes	[416]	2014	ICRA 2014	7	16	9	525	799
BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	381	800
ChuGNSW13	G. Chu, S. Gaspers, N. Narodytska, A. Schutt, T. Walsh	On the Complexity of Global Scheduling Constraints under Structural Restrictions	Yes	[148]	2013	IJCAI 2013	7	0	0	399	801
CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[150]	2013	CPAIOR 2013	7	3	23	401	802
GuSS13	H. Gu, A. Schutt, Peter J. Stuckey	A Lagrangian Relaxation Based Forward-Backward Improvement Heuristic for Maximising the Net Present Value of Resource-Constrained Projects	Yes	[268]	2013	CPAIOR 2013	7	10	24	457	803
HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[295]	2013	CPAIOR 2013	16	9	15	465	804
KelarevaTK13	E. Kelareva, K. Tierney, P. Kilby	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	Yes	[344]	2013	CPAIOR 2013	17	16	28	487	805
LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the k -dimensional cumulative Constraint	Yes	[388]	2013	CPAIOR 2013	16	3	10	510	806
LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[410]	2013	ICAPS 2013	2	0	0	524	807
MalapertCGJLR13	A. Malapert, H. Cambazard, C. Guéret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	Yes	[426]	2013	ICAPS 2013	2	0	0	531	808
OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[490]	2013	CP 2013	16	12	14	552	809
SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[544]	2013	CP 2013	17	10	20	575	810

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SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[543]	2013	CPAIOR 2013	17	20	27	576	811
TranTDB13 TranTDB13	Tony T. Tran, D. Terekhov, Douglas G. Down, J. Christopher Beck	Hybrid Queueing Theory and Scheduling Models for Dynamic Environments with Sequence-Dependent Setup Times	Yes	[605]	2013	ICAPS 2013	9	0	0	608	812
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[95]	2012	CPAIOR 2012	15	1	19	373	813
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	380	814
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[112]	2012	DC SIAAI 2012	3	0	0	383	815
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[270]	2012	CP 2012	15	5	20	458	816
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[294]	2012	CPAIOR 2012	17	8	21	464	817
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[324]	2012	CP 2012	16	6	20	478	818
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[387]	2012	CP 2012	16	18	12	509	819
RendlPHPR12 RendlPHPR12	A. Rendl, M. Prandtstetter, G. Hiermann, J. Puchinger, Günther R. Raidl	Hybrid Heuristics for Multimodal Homecare Scheduling	Yes	[523]	2012	CPAIOR 2012	17	14	14	568	820
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[542]	2012	CPAIOR 2012	17	18	21	574	821
SerraNM12 SerraNM12	T. Serra, G. Nishioka, Fernando J. M. Marcellino	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach	Yes	[553]	2012	CP 2012	17	0	8	581	822
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[561]	2012	CP 2012	15	3	8	583	823
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[602]	2012	ECAI 2012	6	0	0	606	824
ZhangLS12 ZhangLS12	X. Zhang, Z. Lv, X. Song	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method	Yes	[668]	2012	CIT 2012	4	1	3	641	825
BajestaniB11 BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[41]	2011	ICAPS 2011	8	0	0	348	826
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[107]	2011	CP 2011	15	3	14	379	827
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[146]	2011	CPAIOR 2011	6	5	12	398	828
ClercqPBJ11 ClercqPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[152]	2011	CP 2011	16	3	11	402	829
EdisO11 EdisO11	Emrah B. Edis, C. Oguz	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach	Yes	[192]	2011	CPAIOR 2011	7	5	16	418	830
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[260]	2011	CP 2011	17	5	18	452	831
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[297]	2011	SEA 2011	10	5	12	466	832
HermenierDL11 HermenierDL11	F. Hermenier, S. Demasse, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[304]	2011	CP 2011	15	28	5	469	833
KameugneFSN11 KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[341]	2011	CP 2011	15	7	9	486	834
LahimerLH11 LahimerLH11	A. Lahimer, P. Lopez, M. Haouari	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks	Yes	[379]	2011	CPAIOR 2011	14	3	15	507	835

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LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[404]	2011	CPAIOR 2011	17	1	13	521	836
SimonisH11 SimonisH11	H. Simonis, T. Hadzic	A Resource Cost Aware Cumulative	Yes	[569]	2011	CSCLP 2011	14	3	9	588	837
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[625]	2011	CPAIOR 2011	16	28	6	620	838
Wolf11 Wolf11	A. Wolf	Constraint-Based Modeling and Scheduling of Clinical Pathways	Yes	[645]	2011	CSCLP 2011	17	5	19	632	839
ZibranR11 ZibranR11	Minhaz F. Zibran, Chanchal K. Roy	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach	Yes	[674]	2011	ICPC 2011	4	17	18	645	840
ZibranR11a ZibranR11a	Minhaz F. Zibran, Chanchal K. Roy	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring	Yes	[675]	2011	SCAM 2011	10	26	27	646	841
BertholdH10 BertholdH10	T. Berthold, S. Heinz, Marco E. Lübbecke, Rolf H. Möhring, J. Schulz	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling	Yes	[92]	2010	CPAIOR 2010	5	28	10	371	842
CobanH10 CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes	[153]	2010	CPAIOR 2010	5	9	9	403	843
Davenport10 Davenport10	Andrew J. Davenport	Integrated Maintenance Scheduling for Semiconductor Manufacturing	Yes	[165]	2010	CPAIOR 2010	5	9	2	408	844
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[259]	2010	CPAIOR 2010	15	13	20	451	845
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[407]	2010	CP 2010	15	1	11	523	846
MakMS10 MakMS10	K. Mak, J. Ma, W. Su	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems	Yes	[423]	2010	ICNC 2010	5	1	3	530	847
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[551]	2010	CP 2010	15	13	14	579	848
SunLYL10 SunLYL10	Z. Sun, H. Li, M. Yao, N. Li	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming	Yes	[574]	2010	GreenCom 2010	6	4	8	590	849
Acuna-AgostMFG09 Acuna-AgostMFG09	R. Acuna-Agost, P. Michelon, D. Feillet, S. Gueye	Constraint Programming and Mixed Integer Linear Programming for Rescheduling Trains under Disrupted Operations	Yes	[5]	2009	CPAIOR 2009	2	3	2	330	850
AronssonBK09 AronssonBK09	M. Aronsson, M. Bohlin, P. Kreuger	MILP formulations of cumulative constraints for railway scheduling - A comparative study	Yes	[29]	2009	ATMOS 2009	13	0	0	341	851
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[45]	2009	CP 2009	1	0	0	349	852
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[262]	2009	CP 2009	9	15	12	453	853
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[374]	2009	CPAIOR 2009	15	53	2	504	854
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[405]	2009	CP 2009	15	7	12	522	855
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[449]	2009	ICAPS 2009	8	0	0	539	856
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[545]	2009	CP 2009	16	34	11	577	857
ThiruvadyBME09 ThiruvadyBME09	Dhananjay R. Thiruvady, C. Blum, B. Meyer, Andreas T. Ernst	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling	Yes	[591]	2009	HM 2009	15	13	12	600	858
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$	Yes	[623]	2009	CP 2009	15	25	4	618	859
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[624]	2009	CPAIOR 2009	15	13	4	619	860

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Wolf09 Wolf09	A. Wolf, G. Schrader	Linear Weighted-Task-Sum – Scheduling Prioritized Tasks on a Single Resource	Yes	[647]	2009	INAP 2009	17	1	12	631	861
BarlattCG08 BarlattCG08	A. Barlatt, Amy Mainville Cohn, Oleg Yu. Gusikhin	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems	Yes	[52]	2008	CPAIOR 2008	5	1	9	352	862
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[81]	2008	CPAIOR 2008	15	8	9	365	863
BeniniLMR08 BeniniLMR08	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	A Constraint Programming Approach for Allocation and Scheduling on the CELL Broadband Engine	Yes	[89]	2008	CP 2008	15	7	23	370	864
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[187]	2008	CPAIOR 2008	16	1	2	416	865
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[303]	2008	CPAIOR 2008	5	13	3	468	866
LauLN08 LauLN08	Hoong Chuin Lau, Kong Wei Lye, Viet Bang Nguyen	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)	Yes	[382]	2008	CPAIOR 2008	5	0	4	508	867
MouraSCL08 MouraSCL08	Arnaldo Vieira Moura, Cid C. de Souza, André A. Ciré, Tony Minoru Tamura Lopes	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network	Yes	[454]	2008	CP 2008	16	11	10	541	868
MouraSCL08a MouraSCL08a	Arnaldo Vieira Moura, Cid C. de Souza, André A. Ciré, Tony Minoru Tamura Lopes	Heuristics and Constraint Programming Hybridizations for a Real Pipeline Planning and Scheduling Problem	Yes	[453]	2008	CSE 2008	8	5	14	542	869
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[507]	2008	ICAPS 2008	8	0	0	560	870
SchausD08 SchausD08	P. Schaus, Y. Deville	A Global Constraint for Bin-Packing with Precedences: Application to the Assembly Line Balancing Problem	Yes	[537]	2008	AAAI 2008	6	0	0	573	871
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[639]	2008	CPAIOR 2008	15	14	17	626	872
AkkerDH07 AkkerDH07	J. M. van den Akker, G. Diepen, J. A. Hoogeveen	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems	Yes	[613]	2007	CPAIOR 2007	15	2	8	331	873
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	Yes	[82]	2007	CPAIOR 2007	15	4	7	366	874
DavenportKRSH07 DavenportKRSH07	Andrew J. Davenport, J. Kalagnanam, C. Reddy, S. Siegel, J. Hou	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing	Yes	[166]	2007	CP 2007	13	1	2	409	875
GarganiR07 GarganiR07	A. Gargani, P. Refalo	An Efficient Model and Strategy for the Steel Mill Slab Design Problem	Yes	[228]	2007	CP 2007	13	17	5	432	876
HoeveGSL07 HoeveGSL07	Willem-Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[616]	2007	AAAI 2007	6	0	0	472	877
KeriK07 KeriK07	A. Kéri, T. Kis	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method	Yes	[346]	2007	CPAIOR 2007	14	1	13	488	878
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[358]	2007	CPAIOR 2007	15	2	12	495	879
KrogtLPHJ07 KrogtLPHJ07	Roman van der Krogt, J. Little, K. Pulliam, S. Hanhilammi, Y. Jin	Scheduling for Cellular Manufacturing	Yes	[615]	2007	CP 2007	13	2	3	501	880
Limtanyakul07 Limtanyakul07	K. Limtanyakul	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming	Yes	[396]	2007	GOR 2007	6	2	3	515	881
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[448]	2007	CPAIOR 2007	14	0	12	538	882
RossiTHP07 RossiTHP07	R. Rossi, A. Tarim, B. Hnich, Steven D. Prestwich	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost	Yes	[531]	2007	CPAIOR 2007	15	6	10	571	883

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Beck06 Beck06	J. Christopher Beck	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling	Yes	[63]	2006	ICAPS 2006	10	0	0	358	884
BeniniBGM06 BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[88]	2006	CPAIOR 2006	15	18	10	369	885
GomesHS06 GomesHS06	Carla P. Gomes, Willem-Jan van Hoeve, B. Selman	Constraint Programming for Distributed Planning and Scheduling	Yes	[257]	2006	AAAI 2006	2	0	0	450	886
KhemmoudjPB06 KhemmoudjPB06	Mohand Ou Idir Khemmoudj, M. Porcheron, H. Bennaceur	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages	Yes	[348]	2006	CP 2006	13	8	8	489	887
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[364]	2006	CPAIOR 2006	13	2	7	499	888
LiuJ06 LiuJ06	Y. Liu, Y. Jiang	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming	Yes	[401]	2006	PRICAI 2006	5	0	0	518	889
QuSN06 QuSN06	Y. Qu, J. Soininen, J. Nurmi	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices	Yes	[520]	2006	SoC 2006	4	2	5	566	890
Wallace06 Wallace06	M. Wallace	Hybrid Algorithms in Constraint Programming	Yes	[633]	2006	CSCLP 2006	32	1	35	623	891
AbrilSB05 AbrilSB05	M. Abril, Miguel A. Salido, F. Barber	Distributed Constraints for Large-Scale Scheduling Problems	Yes	[4]	2005	CP 2005	1	0	0	329	892
ArtiouchineB05 ArtiouchineB05	K. Artiouchine, P. Baptiste	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs	Yes	[34]	2005	CP 2005	15	3	11	344	893
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[72]	2005	IJCAI 2005	6	0	0	362	894
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[133]	2005	CP 2005	1	0	0	393	895
ChuX05 ChuX05	Y. Chu, Q. Xia	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems	Yes	[149]	2005	CPAIOR 2005	15	13	13	400	896
DilkinaDH05 DilkinaDH05	B. Dilkina, L. Duan, William S. Havens	Extending Systematic Local Search for Job Shop Scheduling Problems	Yes	[183]	2005	CP 2005	5	2	7	415	897
FortinZDF05 FortinZDF05	J. Fortin, P. Zielinski, D. Dubois, H. Fargier	Interval Analysis in Scheduling	Yes	[219]	2005	CP 2005	15	13	11	426	898
FrankK05 FrankK05	J. Frank, E. Kürklü	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations	Yes	[221]	2005	CPAIOR 2005	18	4	4	427	899
Geske05 Geske05	U. Geske	Railway Scheduling with Declarative Constraint Programming	Yes	[243]	2005	INAP 2005	18	2	3	442	900
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[247]	2005	ICAPS 2005	9	0	0	445	901
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[291]	2005	CP 2005	1	0	3	462	902
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[311]	2005	CP 2005	14	30	10	474	903
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[361]	2005	CP 2005	1	2	3	496	904
MoffittPP05 MoffittPP05	Michael D. Moffitt, B. Peintner, Martha E. Pollack	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints	Yes	[446]	2005	AAAI 2005	6	0	0	537	905
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[521]	2005	ICRA 2005	6	2	7	567	906
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[552]	2005	INAP 2005	15	6	4	580	907
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[622]	2005	CPAIOR 2005	14	5	8	617	908
Wolf05 Wolf05	A. Wolf	Better Propagation for Non-preemptive Single-Resource Constraint Problems	Yes	[644]	2005	CSCLP 2005	15	4	8	630	909

Table 2: Works from bibtex (Total 327)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[646]	2005	INAP 2005	14	6	6	633	910
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[649]	2005	CP 2005	1	0	0	635	911
ArtiguesBF04 ArtiguesBF04	C. Artigues, S. Belmokhtar, D. Feillet	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times	Yes	[30]	2004	CPAIOR 2004	13	16	9	342	912
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[71]	2004	ECAI 2004	5	0	0	361	913
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[302]	2004	CPAIOR 2004	16	12	14	467	914
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[309]	2004	CP 2004	12	39	9	473	915
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[363]	2004	CP 2004	15	3	12	498	916
LimRX04 LimRX04	A. Lim, B. Rodrigues, Z. Xu	Solving the Crane Scheduling Problem Using Intelligent Search Schemes	Yes	[393]	2004	CP 2004	5	5	6	514	917
MaraveliasG04 MaraveliasG04	Christos T. Maravelias, Ignacio E. Grossmann	Using MILP and CP for the Scheduling of Batch Chemical Processes	Yes	[430]	2004	CPAIOR 2004	20	15	15	533	918
Sadykov04 Sadykov04	R. Sadykov	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem	Yes	[534]	2004	CPAIOR 2004	7	11	7	572	919
Vilim04 Vilim04	P. Vilím	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint	Yes	[621]	2004	CPAIOR 2004	13	22	5	616	920
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[626]	2004	CP 2004	15	13	4	621	921
VillaverdeP04 VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	No	[629]	2004	ISCA 2004	6	0	0	No	922
WolinskiKG04 WolinskiKG04	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures	Yes	[648]	2004	DSD 2004	8	0	9	634	923
BeckPS03 BeckPS03	J. Christopher Beck, P. Prosser, E. Selensky	Vehicle Routing and Job Shop Scheduling: What's the Difference?	Yes	[69]	2003	ICAPS 2003	10	0	0	360	924
DannaP03 DannaP03	E. Danna, L. Perron	Structured vs. Unstructured Large Neighborhood Search: A Case Study on Job-Shop Scheduling Problems with Earliness and Tardiness Costs	Yes	[163]	2003	CP 2003	5	21	3	407	925
Kumar03 Kumar03	T. K. Satish Kumar	Incremental Computation of Resource-Envelopes in Producer-Consumer Models	Yes	[371]	2003	CP 2003	15	4	2	503	926
OddiPCC03 OddiPCC03	A. Oddi, N. Policella, A. Cesta, G. Cortellessa	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem	Yes	[486]	2003	CP 2003	15	8	6	551	927
ValleMGT03 ValleMGT03	Carmelo Del Valle, Antonio A. Márquez, Rafael M. Gasca, M. Toro	On Selecting and Scheduling Assembly Plans Using Constraint Programming	Yes	[612]	2003	KES 2003	8	7	7	611	928
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[620]	2003	CP 2003	1	1	1	615	929
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[643]	2003	CP 2003	15	11	7	629	930
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[54]	2002	CP 2002	16	6	4	353	931
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[53]	2002	ERCIM/CologNet 2002	15	1	9	354	932
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[79]	2002	CP 2002	17	33	9	364	933
ElkhyariGJ02 ElkhyariGJ02	A. Elkhyari, C. Guéret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems	Yes	[198]	2002	CP 2002	6	1	6	420	934
ElkhyariGJ02a ElkhyariGJ02a	A. Elkhyari, C. Guéret, N. Jussien	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools	Yes	[199]	2002	PATAT 2002	24	9	20	421	935
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[319]	2002	CP 2002	5	8	7	476	936
KamarainenS02 KamarainenS02	O. Kamarainen, Hani El Sakkout	Local Probing Applied to Scheduling	Yes	[336]	2002	CP 2002	17	9	13	483	937

Table 2: Works from bibtex (Total 327)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
Muscettola02 Muscettola02	N. Muscettola	Computing the Envelope for Stepwise-Constant Resource Allocations	Yes	[458]	2002	CP 2002	16	14	4	545	938
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[619]	2002	CP 2002	1	6	1	614	939
ZhuS02 ZhuS02	Kenny Qili Zhu, Andrew E. Santosa	A Meeting Scheduling System Based on Open Constraint Programming	Yes	[672]	2002	CAiSE 2002	5	0	5	644	940
Thorsteinsson01 Thorsteinsson01	Erlendur S. Thorsteinsson	Branch-and-Check: A Hybrid Framework Integrating Mixed Integer Programming and Constraint Logic Programming	Yes	[594]	2001	CP 2001	15	67	12	602	941
VanczaM01 VanczaM01	J. Váncza, A. Márkus	A Constraint Engine for Manufacturing Process Planning	Yes	[617]	2001	CP 2001	15	2	19	612	942
VerfaillieL01 VerfaillieL01	G. Verfaillie, M. Lemaître	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View	Yes	[618]	2001	CP 2001	15	11	6	613	943
AngelsmarkJ00 AngelsmarkJ00	O. Angelsmark, P. Jonsson	Some Observations on Durations, Scheduling and Allen's Algebra	Yes	[18]	2000	CP 2000	5	1	9	334	944
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[216]	2000	AIPS 2000	10	0	0	424	945
DorndorfPH99 DorndorfPH99	U. Dorndorf, E. Pesch, Toàn Phan Huy	Recent Developments in Scheduling	No	[189]	1999	Operations Research Proceedings 1999	null	0	34	No	946
KorbaaYG99 KorbaaYG99	O. Korbaa, P. Yim, J. Gentina	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming	Yes	[355]	1999	ECC 1999	8	1	0	493	947
Simonis99 Simonis99	H. Simonis	Building Industrial Applications with Constraint Programming	Yes	[565]	1999	CCL'99 1999	39	5	18	586	948
CestaOS98 CestaOS98	A. Cesta, A. Oddi, Stephen F. Smith	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints	Yes	[145]	1998	CP 1998	1	5	0	397	949
FrostD98 FrostD98	D. Frost, R. Dechter	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units	Yes	[226]	1998	CP 1998	1	10	2	430	950
GruianK98 GruianK98	F. Gruian, K. Kuchcinski	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming	Yes	[267]	1998	EUROMICRO 1998	8	5	10	456	951
PembertonG98 PembertonG98	Joseph C. Pemberton, Flavius Galiber III	A constraint-based approach to satellite scheduling	Yes	[501]	1998	DIMACS 1998	14	26	0	557	952
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[525]	1998	CP 1998	15	19	10	570	953
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[48]	1997	CP 1997	15	8	10	351	954
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research	Yes	[65]	1997	CP 1997	15	3	12	359	955
BoucherBVBL97 BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem	No	[117]	1997	PACT 1997	18	0	0	No	956
Caseau97 Caseau97	Y. Caseau	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel	Yes	[138]	1997	CP 1997	4	0	0	394	957
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[498]	1997	PACT 1997	20	0	0	No	958
BrusoniCLMMT96 BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[124]	1996	ISMIS 1996	10	1	9	389	959
Colombani96 Colombani96	Y. Colombani	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem	Yes	[158]	1996	CP 1996	15	4	5	406	960

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Zhou96 Zhou96	J. Zhou	A Constraint Program for Solving the Job-Shop Problem	Yes	[669]	1996	CP 1996	15	10	7	642	961
Goltz95 Goltz95	H. Goltz	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling	Yes	[255]	1995	CP 1995	14	7	7	449	962
Puget95 Puget95	J. Puget	Applications of Constraint Programming	Yes	[517]	1995	CP 1995	4	6	2	565	963
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[564]	1995	CP 1995	4	7	3	584	964
Simonis95a Simonis95a	H. Simonis	Application Development with the CHIP System	Yes	[563]	1995	CONTESSA 1995	21	1	12	585	965
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[568]	1995	CP 1995	14	17	8	587	966
Touraivane95 Touraivane95	Touraivane	Constraint Programming and Industrial Applications	Yes	[600]	1995	CP 1995	3	2	1	605	967
JourdanFRD94 JourdanFRD94	J. Jourdan, F. Fages, D. Rozzonelli, A. Demeure	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming	No	[330]	1994	ILPS 1994	1	0	0	No	968
NuijtenA94 NuijtenA94	W. P. M. Nuijten, Emile H. L. Aarts	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling	Yes	[482]	1994	ECAI 1994	5	0	0	550	969
Wallace94 Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[631]	1994	Constraint Programming 1994	19	0	0	No	970
BaptisteLV92 BaptisteLV92	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming	Yes	[51]	1992	ICRA 1992	6	13	6	350	971
ErtlK91 ErtlK91	M. Anton Ertl, A. Krall	Optimal Instruction Scheduling using Constraint Logic Programming	Yes	[201]	1991	PLILP 1991	12	14	14	422	972
FoxAS82 FoxAS82	Mark S. Fox, Bradley P. Allen, G. Strohm	Job-Shop Scheduling: An Investigation in Constraint-Directed Reasoning	No	[220]	1982	AAAI 1982	4	0	0	No	973

2.2 Extracted Concepts

Table 3: Automatically Extracted PAPER Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
AalianPG23 [1]	16	scheduling, preempt, transportation, machine, make-span, activity, flow-shop, order, resource		cycle, noOverlap, endBeforeStart, alwaysIn, cumulative		CPO, Cplex	steel cable	mining industry	real-world		2	648
AbrilSB05 [4]	1	distributed, multi-agent, scheduling, order					railway				246	892
Acuna-AgostMFG09 [5]	2	re-scheduling, order, scheduling, transportation					railway		Roadef		204	850
AkkerDH07 [613]	15	due-date, cmax, machine, job, lateness, sequence dependent setup, preempt, resource, no-wait, scheduling, precedence, order, make-span, completion-time, release-date	parallel machine, RCPSP, single machine	cumulative		Cplex					227	873
AlesioNBG14 [182]	18	preempt, scheduling, completion-time, resource, task, job-shop, distributed, make-span, open-shop, order, job, activity		alldifferent		OPL, Cplex	automotive		benchmark		139	785
AmadiniGM16 [17]	7	make-span, lazy clause generation, scheduling, resource, task, distributed, precedence	RCPSP	cumulative		MiniZinc, Choco Solver, Gurobi, Gecode, OR-Tools			benchmark, real-life, github		102	748
AngelsmarkJ00 [18]	5	resource, job, order, scheduling, task, job-shop									298	944
AntunesABD18 [19]	8	earliness, scheduling, machine, order, lateness, activity, due-date, re-scheduling, task, Benders Decomposition		bin-packing, BinPacking constraint		Cplex		electricity industry	real-world, industry partner, industrial partner		72	718
AntuoriHHEN20 [21]	16	due-date, task, job-shop, precedence, release-date, resource, job, order, completion-time, tardiness, scheduling, machine		alldifferent, circuit, Element constraint, cycle, Channeling constraint		Choco Solver	torpedo		random instance, generated instance, gitlab, benchmark, industrial instance		45	691
AntuoriHHEN21 [22]	16	transportation, due-date, task, job-shop, precedence, release-date, resource, job, order, tardiness, scheduling, machine		cycle	C++, Java	Choco Solver, Gecode	automotive, car manufacturing, drone	automotive industry	gitlab, supplementary material	GRASP	33	679
ArbaouiY18 [24]	10	order, sequence dependent setup, resource, job, scheduling, setup-time, machine, make-span, no-wait, completion-time, cmax	single machine, parallel machine	Pulse constraint, alternative constraint, noOverlap, cumulative	C++	Cplex			benchmark		73	719

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ArmstrongGOS21 [26]	18	machine, flow-shop, job-shop, job, order, sequence dependent setup, cmax, transportation, scheduling, make-span, completion-time, preempt, resource, setup-time, precedence, task	HFF, HFFTT, HFS	cycle, alternative constraint, table constraint, circuit, diffn, bin-packing, cumulative	Java, Prolog	Gecode, CHIP, MiniZinc, CPO, Chuffed, SICStus, Cplex	robot	packaging industry	instance generator, industry partner, zenodo, supplementary material, real-world, industrial partner, benchmark	energetic reasoning	34	680
ArmstrongGOS22 [27]	13	machine, flow-shop, job, re-scheduling, order, cmax, no-wait, transportation, scheduling, make-span, completion-time, resource, task	HFF, parallel machine, HFFTT, HFS	noOverlap, cumulative	Prolog	OPL, SICStus			real-world, benchmark	IGT, GRASP, NEH	17	663
AronssonBK09 [29]	13	job-shop, transportation, order, job, task		cumulative	Prolog	CHIP, Cplex	railway		real-world, real-life	sweep	205	851
ArtiguesBF04 [30]	13	batch process, cmax, resource, completion-time, scheduling, machine, job, make-span, release-date, precedence, sequence dependent setup, job-shop, setup-time, preempt, order		Disjunctive constraint, disjunctive	C++	Ilog Solver, Ilog Scheduler			benchmark	edge-finding	266	912
ArtiguesHQT21 [32]	8	order, resource, preempt, scheduling, release-date, machine, job	RCPSP	cumulative		Cplex					35	681
ArtiouchineB05 [34]	15	release-date, completion-time, job, resource, activity, open-shop, machine, job-shop, re-scheduling, scheduling, order, make-span, preempt, precedence	parallel machine, single machine	Disjunctive constraint, cumulative, disjunctive		Ilog Scheduler	aircraft		generated instance, random instance	not-last, edge-finding, not-first	247	893
Astrand0F21 [36]	18	open-shop, task, precedence, make-span, order, job, activity, scheduling, resource, machine, job-shop		cycle, disjunctive, Disjunctive constraint		Gecode	farming, forestry, agriculture, drone, robot, satellite	potash industry, mining industry, mineral industry	benchmark, real-life, real-world, generated instance		36	682
AstrandJZ18 [37]	9	task, make-span, order, activity, scheduling, resource, machine	single machine	disjunctive, cumulative, cycle		Gecode	hoist, robot	potash industry		time-tabling	74	720
BadicaBIL19 [40]	11	completion-time, resource, distributed, order, activity, machine, multi-agent, make-span, scheduling		cycle, Arithmetic constraint		ECLiPSe, Gecode			github		57	703
BajestaniB11 [41]	8	re-scheduling, Benders Decomposition, scheduling, machine, transportation, order, tardiness, make-span, resource, inventory, due-date, job	JSSP, single machine	cycle, Cardinality constraint, cumulative, circuit		Ilog Solver, Cplex	railway, aircraft				180	826
Baptiste09 [45]	1	scheduling									206	852
BaptisteLV92 [51]	6										325	971
BaptisteP97 [48]	15	resource, preempt, job-shop, scheduling, re-scheduling, due-date, task, precedence, release-date, flow-shop, make-span, order, job, activity	RCPSP	Disjunctive constraint, disjunctive, cumulative	C++	Claire, CHIP			benchmark	edge-finding, edge-finder	308	954

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BarlattCG08 [52]	5	scheduling, resource, setup-time, task, job-shop, transportation, job, machine, flow-shop					automotive, pipeline		real-world		216	862
Bartak02 [54]	16	make-span, machine, job, activity, resource, lateness, job-shop, precedence, earliness, scheduling, continuous-process, task, order		cumulative, disjunctive, Disjunctive constraint	Prolog	SICStus	dairies		real-life	edge-finding, time-tabling	285	931
Bartak02a [53]	15	activity, earliness, scheduling, make-span, task, machine, job, re-scheduling, job-shop, resource, precedence, order, tardiness		Disjunctive constraint, cumulative, disjunctive		Ilog Scheduler	dairies		benchmark, real-life	time-tabling, edge-finding	286	932
BartakV15 [59]	12	scheduling, make-span, machine, job, lateness, re-scheduling, job-shop, resource, precedence, order, activity, setup-time							real-world, real-life	sweep	121	767
BartoliniBBLM14 [60]	16	tardiness, make-span, scheduling, resource, task, job, activity, machine		alternative constraint, cumulative			super-computer				140	786
BarzegaranZP20 [61]	9	resource, re-scheduling, distributed, machine, scheduling, order, task			Java	OR-Tools	automotive, robot				46	692
Beck06 [63]	10	due-date, order, scheduling, machine, job-shop, tardiness, flow-shop, make-span, resource, job				Ilog Scheduler			benchmark		238	884
BeckDF97 [65]	15	activity, release-date, make-span, resource, inventory, job-shop, precedence, due-date, re-scheduling, order, scheduling, machine, job, task	single machine	cycle, cumulative			robot		benchmark, real-world	edge-finding	309	955
BeckPS03 [69]	10	job, task, activity, release-date, make-span, transportation, earliness, flow-time, resource, job-shop, precedence, due-date, re-scheduling, order, tardiness, scheduling, completion-time, machine, setup-time	RCPSP			Ilog Scheduler	robot		benchmark, real-world		278	924
BeckW04 [71]	5	job-shop, machine, activity, distributed, flow-shop, resource, job, order, make-span, scheduling	single machine			Ilog Scheduler				edge-finding, time-tabling	267	913
BeckW05 [72]	6	job-shop, activity, flow-shop, resource, job, order, make-span, scheduling		Balance constraint		Ilog Scheduler				edge-finder	248	894
BehrensLM19 [76]	7	order, resource, machine, scheduling, setup-time, task, distributed, multi-agent, make-span			Python	OR-Tools, MiniZinc	robot		github, real-world		58	704
BeldiceanuC02 [79]	17	task, resource, activity, order, producer/consumer, scheduling, machine	single machine	Cumulatives constraint, cumulative	Prolog	CHIP, SICStus	crew-scheduling		real-life, random instance, benchmark	sweep	287	933

Table 3: Automatically Extracted PAPER Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BeldiceanuCP08 [81]	15	scheduling, order, resource, task		disjunctive, geost, cumulative	Prolog	CHIP, SIC- Stus, OPL	rectangle- packing, perfect- square		benchmark	edge- finding, sweep	217	863
BeldiceanuP07 [82]	15	preempt, task, resource, order, scheduling, release-date, due-date		disjunctive, cumulative						sweep	228	874
BenderWS21 [84]	16	activity, order, resource, scheduling, preempt, task, machine, make-span, job, distributed, setup-time	RCPSP	noOverlap	Python		agriculture				37	683
BenediktSMVH18 [87]	10	job-shop, scheduling, order, preempt, resource, job, machine	single machine, parallel machine	noOverlap		Gurobi	energy-price		github, random instance, generated instance		75	721
BeniniBGM06 [88]	15	Benders Decomposition, task, distributed, precedence, make-span, order, activity, tardiness, scheduling, resource, setup-time		cycle, cumulative		ECLiPSe, Cplex, Ilog Solver	automotive, pipeline		real-life		239	885
BeniniLMR08 [89]	15	resource, Benders Decomposition, task, distributed, precedence, make-span, order, activity, machine, preempt, release-date, tardiness, scheduling	SCC	circuit		Ilog Scheduler, Cplex	medical, pipeline		benchmark		218	864
BertholdHLMS10 [92]	5	scheduling, order, preempt, precedence, completion-time, job, resource	psplib, RCPSP	disjunctive, cumulative		Cplex, SCIP, Z3					196	842
BessiereHMQW14 [93]	16	scheduling, order, resource, setup-time, task, machine, job		BufferedResource, cycle, Cardinality constraint, alldifferent, Element constraint		Choco Solver	satellite	textile industry	benchmark, real-life		141	787
BillautHL12 [95]	15	tardiness, job-shop, setup-time, due-date, open-shop, precedence, release-date, flow-shop, make-span, order, job, scheduling, completion-time, resource, machine, cmax	single machine	cycle		Cplex, Mistral			random instance		167	813
Bit-Monnot23 [96]	8	distributed, job, open-shop, task, lazy clause generation, precedence, scheduling, machine, order, make-span, job-shop, resource, activity	OSP, Open Shop Scheduling Problem	Disjunctive constraint, cycle, cumulative, disjunctive		OR-Tools, CPO, MiniZinc, Mistral			benchmark, real-world, github		3	649
BofillCSV17 [103]	9	precedence, make-span, order, activity, machine, preempt, cmax, lazy clause generation, scheduling, resource	RCPSP, psplib	cumulative		Z3, SCIP			benchmark	energetic reasoning	89	735
BofillEGPSV14 [104]	16	machine, order, scheduling, lazy clause generation, task		Channeling constraint		Cplex, Gecode, MiniZinc, SCIP			industrial instance	in- time-tabling	142	788

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BofillGSV15 [105]	9	machine, scheduling, order		Channeling constraint, Cardinality constraint		Cplex			industrial instance	time-tabling	122	768
BogaerdtW19 [614]	16	scheduling, completion-time, setup-time, job-shop, precedence, order, job, machine, tardiness	single machine, parallel machine	noOverlap	C	OPL, Cplex	railway		benchmark		59	705
BonfiettiLBM11 [107]	15	scheduling, order, make-span, precedence, task, job, resource, activity, machine, job-shop	RCPSP	cumulative, cycle		Ilog Solver	hoist, robot		benchmark, generated instance, industrial instance		181	827
BonfiettiLBM12 [108]	16	scheduling, order, make-span, precedence, job, resource, activity, distributed, machine, job-shop	RCPSP	cumulative, cycle		Ilog Solver	hoist, robot		benchmark	time-tabling	168	814
BonfiettiLM13 [110]	5	scheduling, make-span, job-shop, precedence, resource, activity, job, order	RCPSP	cycle, cumulative		Cplex					154	800
BonfiettiLM14 [111]	16	scheduling, machine, open-shop, distributed, make-span, task, job-shop, precedence, resource, activity, job, order	RCPSP, psplib	cumulative					benchmark, real-world		143	789
BonfiettiM12 [112]	3	job, task, scheduling, machine, precedence, job-shop, resource, activity	RCPSP	cumulative			hoist		industrial instance		169	815
BonfiettiZLM16 [113]	17	resource, activity, scheduling, order, make-span, precedence	RCPSP	cumulative, cycle, disjunctive		OR-Tools	automotive	automotive industry, control system industry	generated instance, github, industrial instance, benchmark, real-world	sweep, edge-finder	103	749
BonninMNE24 [114]	12	open-shop, order, job, activity, flow-time, machine, preempt, precedence, release-date, flow-shop, make-span, scheduling, completion-time, resource, task, job-shop	single machine	noOverlap, Flowtime constraint, Completion constraint, disjunctive, cumulative, Disjunctive constraint	C++	Cplex	patient, COVID, vaccine		benchmark, real-life	edge-finding, sweep, time-tabling	1	647
BoothNB16 [115]	17	distributed, resource, machine, Benders Decomposition, precedence, order, activity, scheduling, task, re-scheduling		cumulative, noOverlap, disjunctive	C++	Cplex	robot, medical		real-world		104	750
BoudreaultSLQ22 [118]	16	activity, machine, transportation, distributed, lazy clause generation, order, make-span, scheduling, cmax, resource, preempt, precedence, task	RCPSP, psplib	disjunctive, Cumulatives constraint, Disjunctive constraint, cumulative		Chuffed, MiniZinc, OPL, OR-Tools	offshore	repair industry, ship repair industry	supplementary material, gitlab, benchmark, generated instance, real-life, industrial partner, github, real-world	edge-finding, not-first, not-last, energetic reasoning	18	664
BridiLBBM16 [122]	2	task, distributed, make-span, order, job, activity, scheduling, resource, machine									105	751

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BrusoniCLMMT96 [124]	10	no-wait, due-date, scheduling, order, resource, activity, precedence, task, distributed, job-shop, job		disjunctive, Disjunctive constraint	Prolog		railway				313	959
BurtLPS15 [125]	17	task, job, job-shop, resource, machine, Benders Decomposition, precedence, order, tardiness, scheduling, make-span, completion-time	parallel machine, single machine	cumulative, cycle		Gurobi, Gecode, Cplex, MiniZinc			industry partner, real-world, benchmark		123	769
CappartS17 [130]	16	re-scheduling, resource, scheduling, task, machine, activity, job, precedence, job-shop, completion-time, order	TMS	cumulative, span constraint, noOverlap, alternative constraint		OPL	railway		bitbucket, real-life, random instance		90	736
CappartTSR18 [131]	17	resource, setup-time, producer/consumer, activity, Benders Decomposition, scheduling, transportation, order		cumulative, circuit, disjunctive, noOverlap		Cplex, CPO, MiniZinc, OPL	medical, patient		bitbucket, real-life, CSPlib		76	722
CarchraeBF05 [133]	1	scheduling, task, make-span, order									249	895
Caseau97 [138]	4	preempt, order, scheduling, task, make-span, job, resource, job-shop		cumulative			robot		benchmark	edge-finding	311	957
CatusseCBL16 [140]	7	release-date, order, resource, due-date, scheduling, machine, job, task	parallel machine, single machine	disjunctive	Julia	OPL					106	752
CauwelaertDMS16 [141]	16	batch process, order, make-span, scheduling, completion-time, setup-time, resource, preempt, precedence, task, job, job-shop, activity, machine, sequence dependent setup		cumulative, disjunctive	Java		container terminal		real-life, bitbucket, benchmark	not-last, edge-finding, not-first	107	753
CestaOS98 [145]	1	job, resource, scheduling					robot				303	949
ChapadosJR11 [146]	6	activity, task, scheduling, order		cycle, cumulative		OPL		retail industry		time-tabling	182	828
ChuGNSW13 [148]	7	distributed, resource, machine, job, scheduling, precedence, order, task		cumulative, alldifferent, Cardinality constraint, disjunctive		CHIP				not-first, not-last, edge-finding	155	801
ChuX05 [149]	15	scheduling, machine, release-date, order, completion-time, resource, job, due-date, Benders Decomposition	single machine	disjunctive, cumulative, Disjunctive constraint		ECLiPSe					250	896
CireCH13 [150]	7	tardiness, scheduling, Benders Decomposition, precedence, task, order, make-span, machine, job, resource		circuit, cumulative		SCIP, OPL, Cplex					156	802

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ClercqPBJ11 [152]	16	order, activity, release-date, scheduling, completion-time, resource, due-date, distributed, precedence		cumulative, SoftCumulative, Cumulatives constraint, alldifferent, SoftCumulativeSum, Cardinality constraint	Java	Choco Solver, CHIP			benchmark	time-tabling, sweep, energetic reasoning, edge-finding	183	829
CobanH10 [153]	5	job, make-span, distributed, tardiness, Benders Decomposition, preempt, re-scheduling, order, scheduling		disjunctive, circuit		OPL, Cplex					197	843
CohenHB17 [155]	17	machine, order, activity, scheduling, task		noOverlap, alternative constraint		Cplex, OPL				time-tabling	91	737
ColT19 [157]	17	scheduling, machine, job-shop, earliness, order, precedence, make-span, resource, job	JSSP	noOverlap, disjunctive	Java	OR-Tools, MiniZinc, CPO			github, benchmark, real-world		60	706
Colombani96 [158]	15	job, scheduling, resource, preempt, due-date, job-shop, task, order, activity, machine, precedence, release-date		disjunctive		CHIP					314	960
DannaP03 [163]	5	job-shop, order, tardiness, scheduling, machine, job, activity, earliness, resource		disjunctive		Cplex, Ilog Solver, Ilog Scheduler			benchmark		279	925
Davenport10 [165]	5	order, resource, release-date, tardiness, scheduling, completion-time, earliness, due-date				Cplex	semiconductor				198	844
DavenportKRS07 [166]	13	make to order, activity, machine, preempt, precedence, job-shop, sequence dependent setup, resource, inventory, order, scheduling, job, setup-time		disjunctive, bin-packing	C++	Cplex, CHIP		steel industry			229	875
DejemeppeCS15 [174]	16	make-span, task, precedence, setup-time, resource, preempt, activity, completion-time, tardiness, job-shop, sequence dependent setup, scheduling, release-date, machine, job, order	single machine	disjunctive, cumulative, cycle			container terminal		bitbucket, real-world, generated instance, benchmark	not-last, not-first, edge-finding	124	770
DejemeppeD14 [175]	9	make-span, precedence, job-shop, resource, activity, setup-time, job, scheduling, order		cumulative			medical, patient		bitbucket		144	790
DemirovicS18 [178]	18	scheduling, task, precedence, order, resource, activity		Disjunctive constraint, cumulative, disjunctive		MiniZinc, Gurobi			benchmark, real-world	time-tabling	77	723
DerrienP14 [180]	9	resource, scheduling, make-span, activity, order	psplib, CuSP	cumulative	Java	Choco Solver			random instance	sweep, edge-finding, energetic reasoning	145	791
DerrienPZ14 [181]	9	re-scheduling, order, job, activity, machine, precedence, make-span, scheduling, resource	RCPSP, CuSP	cumulative, Balance constraint, Cumulatives constraint		Choco Solver, CHIP			real-world, benchmark, random instance	sweep	146	792

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
DilkinaDH05 [183]	5	machine, precedence, make-span, job, scheduling, job-shop, order				OPL					251	897
DoomsH08 [187]	16	scheduling, completion-time, machine, job, activity, resource, job-shop, task, order	RCPSP					service industry			219	865
DoulabiRP14 [190]	9	due-date, task, order, activity, scheduling, resource		Cardinality constraint, bin-packing, Element constraint		Cplex	medical, patient, nurse, surgery, operating room				147	793
EdisO11 [192]	7	task, job, resource, make-span, scheduling, flow-time, tardiness, due-date, machine, completion-time, activity, lateness, earliness, Benders Decomposition, preempt	parallel machine	bin-packing, noOverlap, cumulative		OPL, Cplex					184	830
EfthymiouY23 [195]	16	setup-time, order, make-span, job-shop, job, re-scheduling, task, scheduling, machine	CHSP, JSSP	cumulative, disjunctive, cycle	Python	OPL, OR-Tools	pipeline, hoist, satellite, electroplating		generated instance, benchmark, random instance, real-life, industrial instance		4	650
ElkhyariGJ02 [198]	6	precedence, scheduling, machine, preempt, make-span, resource, activity, due-date, re-scheduling, task	RCPSP	cumulative, disjunctive, table constraint							288	934
ElkhyariGJ02a [199]	24	activity, re-scheduling, order, scheduling, open-shop, due-date, task, precedence, resource	RCPSP, psplib	cumulative, Disjunctive constraint, Arithmetic constraint, disjunctive cycle		OPL			benchmark, real-life	time-tabling	289	935
ErtlK91 [201]	12	setup-time, task, resource, scheduling, order, machine			Prolog		pipeline		real-world, benchmark		326	972
EvenSH15 [204]	18	transportation, machine, distributed, resource, preempt, order, scheduling, Benders Decomposition, completion-time, task		cumulative, disjunctive, Disjunctive constraint		OPL, Choco Solver	emergency service		real-life, real-world	real-sweep	125	771
FocacciLN00 [216]	10	machine, preempt, cmax, scheduling, resource, setup-time, due-date, task, job-shop, distributed, precedence, make-span, sequence dependent setup, open-shop, order, job, activity		Disjunctive constraint, disjunctive					real-world	edge-finding	299	945
FontaineMH16 [217]	11	order, job-shop, resource, scheduling, machine, job, task, completion-time, Benders Decomposition, make-span, precedence	parallel machine	disjunctive		MiniZinc, Gurobi, CHIP			benchmark		108	754

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
FortinZDF05 [219]	15	resource, task, order, activity, precedence, temporal constraint reasoning, make-span, scheduling	psplib								252	898
FrankK05 [221]	18	order, job, resource, precedence, scheduling, due-date, task		cycle			satellite, aircraft		benchmark		253	899
FrimodigS19 [223]	17	order, machine, job, scheduling, resource, Benders Decomposition, task, job-shop		cumulative, bin-packing, regular expression, Regular constraint	Python	Cplex, MiniZinc, Gecode	medical, patient, nurse, physician, radiation therapy, surgery		benchmark, real-world		61	707
FrohnerTR19 [225]	9	order, scheduling, distributed			Java, Python	MiniZinc, Gecode, Gurobi	nurse		benchmark, real-world		62	708
FrostD98 [226]	1	scheduling, order						power industry			304	950
GalleguillosKSB19 [227]	18	resource, order, job, activity, make-span, re-scheduling, machine, distributed, scheduling	JSSP	alternative constraint, cumulative bin-packing, Channeling constraint, Element constraint	Python	OR-Tools	datacenter, super-computer				63	709
GarganiR07 [228]	13	machine, inventory, order, resource		Cumulative constraint, disjunctive	C++	OPL	steel mill	steel industry	real-life, CSPlib		230	876
GayHLS15 [231]	9	resource, scheduling, precedence, task, order, make-span, activity	RCPSP, OSP, psplib	Cumulative constraint, cumulative, table constraint, disjunctive		Choco Solver, OR-Tools, Gecode			bitbucket, benchmark	time-tabling, edge-finding	126	772
GayHS15 [232]	9	resource, task, order, scheduling, precedence, preempt		Cumulative constraint, cumulative, table constraint, disjunctive		Choco Solver, OR-Tools, Gecode			bitbucket	time-tabling, sweep	127	773
GayHS15a [233]	16	task, order, machine, manpower, preempt, resource, scheduling	psplib, RCPSP	Cumulative constraint, cumulative, disjunctive	Java				benchmark, real-world, bitbucket	time-tabling, not-first, not-last, energetic reasoning, edge-finding, sweep	128	774
GaySS14 [234]	15	machine, completion-time, activity, setup-time, continuous-process, resource, job, order, make-span, scheduling, precedence, manpower, job-shop		cycle, cumulative, disjunctive			steel mill		real-life, CSPlib		149	795
GeibingerKKMMW21 [236]	10	scheduling, distributed		Cardinality constraint		MiniZinc, OR-Tools, Gurobi, Cplex, Gecode	nurse, physician, COVID, medical, patient	pharmaceutical industry	real-world		38	684

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GeibingerMM19 [238]	16	precedence, release-date, resource, activity, re-scheduling, job, order, completion-time, scheduling, due-date, make-span, task	RCPSP	alternative constraint, cumulative, endBeforeStart, Pulse constraint, noOverlap	Java	Cplex, Gecode, MiniZinc, CPO	automotive		real-world, benchmark, real-life, generated instance, industrial partner	time-tabling	64	710
GeibingerMM21 [239]	9	precedence, release-date, resource, activity, job, order, completion-time, tardiness, scheduling, machine, lazy clause generation, due-date, task	RCPSP	disjunctive, cumulative		Chuffed, Cplex, CPO	nurse, operating room		github, real-world, benchmark, real-life, generated instance	time-tabling	39	685
GeitzGSSW22 [240]	18	setup-time, sequence dependent setup, task, lateness, precedence, batch process, make-span, order, job, scheduling, completion-time, resource, machine, preempt, producer/consumer, lazy clause generation, job-shop, transportation	single machine, RCPSP, JSSP	cumulative		OPL	robot		real-world, real-life, github	sweep, not-last	19	665
GelainPRVW17 [241]	16	order, resource, scheduling							real-life, CSplib, benchmark		92	738
Geske05 [243]	18	machine, re-scheduling, activity, distributed, task, job, order, resource, scheduling, lateness, job-shop		cumulative	Prolog	SICStus, CHIP	railway	railway industry	real-life		254	900
GilesH16 [245]	16	setup-time, activity, transportation, resource, inventory, task, order, scheduling		disjunctive, cumulative		Cplex	pipeline	chemical industry, processing industry, petro-chemical industry, chemical processing industry			109	755
GingrasQ16 [246]	7	resource, scheduling, task, make-span, completion-time, precedence, order	psplib, RCPSP, CuSP	disjunctive, cumulative		Choco Solver			benchmark	energetic reasoning, sweep, edge-finder, edge-finding	110	756
GodardLN05 [247]	9	job-shop, activity, completion-time, order, earliness, tardiness, resource, scheduling, machine, make-span, job, precedence	JSSP	cumulative, disjunctive, table constraint		Ilog Solver, Ilog Scheduler			benchmark		255	901
GodetLHS20 [249]	8	lazy clause generation, release-date, scheduling, task, machine, make-span, completion-time, setup-time, order, cmax, resource, job	single machine, parallel machine, PMSP	alldifferent, bin-packing, Disjunctive constraint, cumulative, disjunctive		CHIP, Chuffed, Choco Solver	satellite		real-life, benchmark, generated instance, github	not-last, time-tabling	47	693

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GokGSTO20 [251]	17	distributed, task, job-shop, resource, multi-agent, job, setup-time, scheduling, precedence, order, tardiness, activity	RCPSP	cumulative, circuit, disjunctive	Python	Gecode, Z3, MiniZinc, Gurobi	aircraft		real-world, Roadev	GRASP	48	694
GoldwaserS17 [253]	16	scheduling, machine, transportation, order, resource, due-date, lazy clause generation, Benders Decomposition		cumulative, disjunctive	Python	Gurobi, Gecode	torpedo	steel industry	github, generated instance, instance generator		93	739
Goltz95 [255]	14	task, job, order, resource, scheduling, precedence, job-shop, due-date, machine, completion-time		cumulative, disjunctive	Prolog	CHIP			benchmark	edge-finding	316	962
GomesHS06 [257]	2	order, scheduling, distributed, task, multi-agent				Ilog Solver			real-life		240	886
GrimesH10 [259]	15	cmax, machine, job, job-shop, setup-time, flow-shop, no-wait, open-shop, scheduling, precedence, order, make-span, sequence dependent setup, task, batch process, resource	Open Shop Scheduling Problem	cycle, disjunctive, Disjunctive constraint, cumulative				steel industry	benchmark	time-tabling, edge-finding	199	845
GrimesH11 [260]	17	cmax, machine, job, job-shop, flow-shop, no-wait, open-shop, scheduling, precedence, order, make-span, completion-time, tardiness, release-date, earliness, lazy clause generation, task, due-date, resource	RCPSP	disjunctive, Disjunctive constraint, cumulative		Cplex, Ilog Solver, OPL, Ilog Scheduler			benchmark	edge-finding	185	831
GrimesHM09 [262]	9	open-shop, order, make-span, resource, job, precedence, scheduling, task, job-shop, machine	OSP, Open Shop Scheduling Problem	Balance constraint, disjunctive, Disjunctive constraint	Java	Ilog Scheduler, Choco Solver, Mistral			benchmark	edge-finding, not-last	207	853
GroleazNS20 [266]	17	precedence, release-date, job, scheduling, resource, machine, preempt, due-date, tardiness, job-shop, setup-time, order, inventory	GCSP	circuit, noOverlap, cycle, cumulative		OR-Tools, CPO		food industry	industrial instance, benchmark		49	695
GroleazNS20a [265]	9	scheduling, machine, transportation, order, tardiness, release-date, precedence, resource, setup-time, preempt, inventory, due-date, distributed, job	parallel machine, RCPSP	noOverlap, cumulative, cycle		Cplex, CPO		food industry	industrial partner, benchmark	GRASP	50	696
GruianK98 [267]	8	task, resource, re-scheduling, scheduling, order, activity		cumulative, cycle, circuit, diffn		OPL, CHIP	pipeline, aircraft		benchmark		305	951
GuSS13 [268]	7	lazy clause generation, activity, order, precedence, make-span, resource, distributed, scheduling, machine	single machine	cumulative					benchmark	edge-finding, edge-finder, time-tabling	157	803
GuSW12 [270]	15	lazy clause generation, activity, order, precedence, make-span, resource, job, preempt, scheduling, cmax		cumulative	C++				benchmark		170	816

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HananKP21 [281]	17	job-shop, resource, machine, precedence, order, tardiness, preempt, release-date, scheduling, make-span, completion-time, task, cmax, job, lateness, due-date	RCPSP, CuSP, parallel machine	cumulative	Python	Claire	pipeline		Roadef, generated instance, random instance	energetic reasoning	40	686
He0GLW18 [288]	18	machine, transportation, multi-agent, distributed, precedence, re-scheduling, order, scheduling			Python	Gurobi	energy-price, real-time pricing		real-world, bit-bucket		78	724
HebrardALLCMR22 [289]	7	order, scheduling, activity		cumulative	Julia	Claire	deep space			sweep	20	666
HebrardTW05 [291]	1	job-shop, order, job, machine, scheduling									256	902
HechingH16 [292]	11	order, scheduling, manpower, re-scheduling, job, Benders Decomposition, task		circuit, noOverlap		OPL, Cplex	patient, medical		real-world		111	757
HeinzB12 [294]	17	precedence, due-date, order, tardiness, scheduling, completion-time, machine, job, activity, release-date, earliness, resource, Benders Decomposition	single machine	cumulative, Channeling constraint, cycle, alternative constraint, IloAlternative		SCIP, Ilog Solver, OPL, Cplex, Ilog Scheduler				GRASP	171	817
HeinzKB13 [295]	16	release-date, job-shop, resource, machine, job, scheduling, Benders Decomposition, order, tardiness	single machine	cumulative, Channeling constraint		SCIP, Cplex, OPL					158	804
HeinzS11 [297]	10	preempt, order, scheduling, completion-time, machine, job, resource	psplib, RCPSP	disjunctive, cumulative		SCIP, Cplex			benchmark	time-tabling, energetic reasoning	186	832
HententryckM04 [302]	16	resource, activity, job, completion-time, tardiness, scheduling, machine, open-shop, order, due-date, make-span, task, job-shop, precedence		disjunctive, cumulative, cycle					benchmark		268	914
HententryckM08 [303]	5	order		bin-packing			steel mill		CSPlib		220	866
HermenierDL11 [304]	15	task, precedence, distributed, resource, completion-time, producer/consumer, machine, no-wait, order, scheduling		bin-packing, disjunctive, table constraint, alldifferent, cumulative, cycle		Choco Solver	datacenter				187	833
HillTV21 [306]	19	machine, job, activity, resource, release-date, precedence, preempt, lazy clause generation, scheduling, flow-shop, task, order, make-span	RCPSP, psplib, single machine	cycle, cumulative, alternative constraint					real-world		41	687
HoYLLCLC18 [307]	6	task, distributed, order, job, scheduling, resource, machine, re-scheduling			C		medical, patient, nurse		real-world		79	725
HoeveGSL07 [616]	6	resource, multi-agent, scheduling, re-scheduling, job, precedence, distributed, task, job-shop, machine, order		disjunctive		Ilog Scheduler, Cplex			benchmark	edge-finding	231	877

Table 3: Automatically Extracted PAPER Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Hooker04 [309]	12	machine, task, release-date, make-span, distributed, resource, precedence, order, tardiness, scheduling, Benders Decomposition		disjunctive, cumulative, circuit		OPL, Ilog Scheduler, Cplex			random instance		269	915
Hooker05a [311]	14	release-date, scheduling, make-span, task, machine, job, due-date, resource, Benders Decomposition, precedence, order, tardiness		circuit, cumulative, disjunctive		Ilog Scheduler, OPL, Cplex					257	903
Hooker17 [315]	14	job, resource, due-date, order, tardiness, scheduling		circuit					benchmark, random instance		94	740
HookerY02 [319]	5	scheduling, machine, job, resource, Benders Decomposition, order	RCPSP	cumulative, disjunctive							290	936
HoundjiSWD14 [321]	16	scheduling, machine, transportation, order, precedence, resource, inventory, due-date	single machine	circuit, Cardinality constraint, Element constraint, GCC constraint					bitbucket, generated instance		150	796
IfrimOS12 [324]	16	order, scheduling, task, machine, job, re-scheduling, distributed, due-date, resource		disjunctive			datacenter, energy-price		real-life		172	818
JelinekB16 [329]	10	completion-time, order, scheduling, task		cumulative, table constraint	Prolog	SICStus, OPL			real-life		112	758
JungblutK22 [331]	4	distributed, machine, make-span, scheduling, resource, preempt, task, order		circuit		MiniZinc			benchmark, real-world		21	667
JuvinHHL23 [332]	16	resource, job, scheduling, task, job-shop, due-date, machine, make-span, flow-shop, completion-time, precedence, Benders Decomposition, cmax, setup-time, order, preempt	JSSP, parallel machine	disjunctive, Disjunctive constraint, Pre-emptiveNoOverlap, alldifferent, noOverlap, endBeforeStart, AllDiffPrec constraint, cumulative	C++	CPO, Mistral			github, benchmark, supplementary material	not-last, edge-finding, not-first	5	651
JuvinHL23 [334]	16	precedence, order, tardiness, setup-time, scheduling, make-span, completion-time, task, cmax, machine, job, job-shop, flow-shop		noOverlap, endBeforeStart		Cplex, CPO			real-world		6	652
KamarainenS02 [336]	17	job-shop, resource, earliness, activity, job, order, scheduling, machine, precedence, transportation, preempt	KRFP			ECLiPSe			real-world, benchmark		291	937
KameugneFGOQ18 [339]	17	cmax, precedence, make-span, completion-time, resource, task, scheduling, order	RCPSP, CuSP	Disjunctive constraint, cumulative, disjunctive	Java	CHIP, Choco Solver			real-world, benchmark	time-tabling, sweep, not-last, energetic reasoning, not-first	80	726

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KameugneFND23 [340]	17	precedence, cmax, preempt, make-span, task, completion-time, machine, resource, order, scheduling, lazy clause generation	RCPSP, psplib, CuSP	Disjunctive constraint, disjunctive, Cumulatives constraint, cumulative	Java	Choco Solver, CHIP			benchmark	sweep, energetic reasoning, not-last, not-first, edge-finder, time-tabling, edge-finding	7	653
KameugneFSN11 [341]	15	completion-time, job-shop, release-date, resource, job, order, scheduling, precedence, preempt, make-span, task	RCPSP, psplib, CuSP	cumulative, disjunctive		Gecode			benchmark	edge-finding, not-last, not-first, time-tabling	188	834
KelarevaTK13 [344]	17	re-scheduling, task, Benders Decomposition, precedence, scheduling, transportation, setup-time, order, tardiness, make-span, resource, activity, lazy clause generation, inventory	Liner Shipping Fleet Repositioning Problem, BPCTOP, LSFRP, Bulk Port Cargo Throughput Optimisation Problem	alldifferent		Cplex, SCIP, MiniZinc	earth observation, shipping line, satellite		real-world		159	805
KeriK07 [346]	14	due-date, activity, earliness, resource, tardiness, job, temporal constraint reasoning, order, make-span, scheduling, precedence, cmax, job-shop	RCPSP	cycle	C++					edge-finding	232	878
KhemmoudjPB06 [348]	13	distributed, resource, stock level, order, scheduling		cycle, cumulative	C++	CHIP			real-world		241	887
KimCMLLP23 [349]	16	open-shop, tardiness, earliness, scheduling, transportation, machine, make-span, job, precedence, distributed, setup-time, job-shop, due-date, order	parallel machine, SCC	noOverlap	Python	OR-Tools, Gurobi		steel industry	real-world, zenodo, benchmark		8	654
KlankeBYE21 [350]	16	make-span, order, job, activity, scheduling, completion-time, resource, machine, producer/consumer, job-shop, re-scheduling, due-date, task, batch process		circuit, noOverlap, disjunctive, cumulative	Python	CHIP, OR-Tools, Gurobi, Cplex		processing industry, food-processing industry	random instance, benchmark, real-life		42	688
KletzanderM17 [351]	15	machine, resource, order, scheduling, transportation	parallel machine				torpedo	steel industry			95	741
KorbaaYG99 [355]	8	resource, scheduling, transportation, make-span, job, task, job-shop, machine, flow-shop, order		circuit, cycle	Prolog	Ilog Solver, CHIP, OZ	robot, hoist				301	947

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KoschB14 [357]	16	resource, lateness, job-shop, release-date, multi-agent, cmax, scheduling, Benders Decomposition, completion-time, batch process, due-date, order, make-span, machine, job, distributed	RCPSP, single machine	cumulative, disjunctive, bin-packing	Java	Choco Solver, Cplex	semiconductor		benchmark		151	797
KovacsB07 [358]	15	order, tardiness, activity, preempt, release-date, earliness, scheduling, make-span, completion-time, job, due-date, job-shop, flow-shop, resource, machine	parallel machine, single machine	Completion constraint, cumulative	C++	Ilog Solver			benchmark		233	879
KovacsEKV05 [361]	1	scheduling, resource, setup-time, job-shop, precedence, job							real-life		258	904
KovacsTKSG21 [365]	17	precedence, job-shop, preempt, order, tardiness, inventory, distributed, resource, due-date, scheduling, machine, flow-shop, job, re-scheduling, task, release-date	RCPSP, single machine	cumulative		Gurobi, OR-Tools, Cplex			github, supplementary material, real-world, benchmark		43	689
KovacsV04 [363]	15	scheduling, make-span, task, job, job-shop, resource, machine, precedence, order	single machine	disjunctive, cumulative		Ilog Scheduler			industrial partner, benchmark, real-life	edge-finding	270	916
KovacsV06 [364]	13	tardiness, setup-time, earliness, scheduling, make-span, task, job, job-shop, resource, machine, precedence, order	single machine, RCPSP	cumulative		Ilog Scheduler	automotive	energy industry	industrial partner, benchmark, generated instance		242	888
KreterSS15 [366]	17	order, preempt, resource, lazy clause generation, scheduling, task, machine, activity, make-span, completion-time	RCPSP, parallel machine	cumulative, diffn, Element constraint, Calendar constraint		Cplex, MiniZinc, CHIP, Chuffed			benchmark		129	775
KrogtLPHJ07 [615]	13	resource, due-date, job-shop, precedence, order, job, inventory, activity, machine, scheduling		circuit	Prolog	OPL	semiconductor aircraft	semiconductor industry	real-world		234	880
KucukY19 [372]	5	distributed, resource, sequence dependent setup, task, order, scheduling, setup-time		disjunctive, noOverlap, cycle		Cplex	earth observation, satellite		benchmark, generated instance	time-tabling	65	711
Kumar03 [371]	15	order, scheduling, producer/consumer, activity, resource		cycle						max-flow, bi-partite matching	280	926
Laborie09 [374]	15	task, machine, job, sequence dependent setup, inventory, due-date, job-shop, preempt, resource, precedence, order, tardiness, activity, setup-time, release-date, earliness, scheduling		noOverlap, endBeforeStart, cumulative, disjunctive, alternative constraint	C	CPO, OPL	satellite, aircraft		real-world, benchmark		208	854
Laborie18a [375]	9	resource, job, release-date, scheduling, task, due-date, machine, precedence, Benders Decomposition		cumulative, alternative constraint		Ilog Scheduler, CPO, OPL			real-world, real-life, benchmark	energetic reasoning	81	727

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LacknerMMWW21 [377]	18	release-date, flow-shop, job, order, tardiness, scheduling, machine, lateness, earliness, batch process, setup-time, due-date, make-span, task	OSP, single machine, parallel machine	cumulative, endBeforeStart, noOverlap, Element constraint		Chuffed, Cplex, OPL, CPO, MiniZinc, Gurobi, OR-Tools	semiconductor oven scheduling	manufacturing industry, electronics industry, steel industry	benchmark, instance generator, real-life, random instance, industrial partner, supplementary material	GRASP	44	690
LahimerLH11 [379]	14	resource, machine, preempt, cmax, task, precedence, make-span, order, job, scheduling, completion-time	parallel machine, RCPSP	Disjunctive constraint, disjunctive	C++	Ilog Scheduler			benchmark	energetic reasoning	189	835
LauLN08 [382]	5	job, order, resource, scheduling, transportation, job-shop, machine, distributed, inventory, flow-shop							real-world, benchmark		221	867
LetortBC12 [387]	16	task, machine, make-span, precedence, order, resource, scheduling	psplib	Cumulatives constraint, cumulative, geost, bin-packing	Java, Prolog	Choco Solver, CHIP, SICStus	datacenter		Roadef, benchmark, random instance	sweep, edge-finding	173	819
LetortCB13 [388]	16	machine, make-span, precedence, order, resource, scheduling, task	psplib, RCPSP	Disjunctive constraint, cumulative, disjunctive, bin-packing	Java, Prolog	Choco Solver, SICStus			Roadef, benchmark, random instance	energetic reasoning, sweep, edge-finding	160	806
LiFJZLL22 [391]	6	completion-time, task, tardiness, buffer-capacity, flow-time, blocking constraint, distributed, job-shop, batch process, flow-shop, transportation, machine, job, setup-time, no-wait, scheduling, order, make-span	single machine	Blocking constraint		OPL	robot		benchmark		22	668
LimBTBB15 [395]	15	scheduling, order, tardiness, earliness, job-shop, multi-agent, machine, job, re-scheduling				OPL	HVAC		benchmark	time-tabling	130	776
LimHTB16 [394]	18	machine, activity, multi-agent, distributed, re-scheduling, order, scheduling		cumulative		OPL	HVAC, energy-price, real-time pricing		real-world		113	759
LimRX04 [393]	5	scheduling, machine, preempt, completion-time, transportation, job, order					container terminal		generated instance		271	917
Limtanyakul07 [396]	6	make-span, task, release-date, machine, resource, job, order, scheduling, due-date, precedence		cumulative		OPL	robot	automobile industry	real-life	energetic reasoning	235	881
LipovetzkyBPS14 [398]	9	make-span, scheduling, resource, precedence, Benders Decomposition, task, order, transportation		disjunctive		Cplex	crew-scheduling		real-life, real-world, industrial partner, industry partner, benchmark, generated instance		152	798

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LiuCGM17 [400]	17	order, scheduling, machine, task, activity, transportation, cmax		Element constraint	Python	OR-Tools, OPL, MiniZinc		tourism industry	github		96	742
LiuJ06 [401]	5	make-span, resource, task, order, scheduling		disjunctive, Disjunctive constraint, cycle							243	889
LiuLH19 [399]	9	order, resource, scheduling		Channeling constraint		Choco Solver			benchmark, CSPLib	time-tabling	66	712
LombardiBM15 [403]	16	task, completion-time, precedence, scheduling, machine, order, make-span, job-shop, resource, activity, distributed, job	JSSP, RCPSP, psplib						benchmark, real-world		131	777
LombardiBMB11 [404]	17	order, make-span, task, precedence, resource, activity, completion-time, scheduling, machine	RCPSP	cycle, cumulative	C++		hoist		benchmark, industrial instance, real-life		190	836
LombardiM09 [405]	15	precedence, make-span, order, activity, scheduling, resource, preempt, completion-time, task	RCPSP	Balance constraint		Ilog Solver			instance generator, real-world		209	855
LombardiM10 [407]	15	precedence, make-span, order, activity, scheduling, resource, completion-time, task	RCPSP	Disjunctive constraint, disjunctive, cumulative		Ilog Solver			real-world, benchmark		200	846
LombardiM13 [410]	2	precedence, make-span, order, activity, scheduling, resource, task	RCPSP, psplib								161	807
LouieVNB14 [416]	7	order, resource, job, scheduling, task, machine, activity		cycle		OPL	patient, robot				153	799
LuoB22 [420]	17	order, scheduling, re-scheduling, job, Benders Decomposition, resource, machine, batch process, job-shop		AlwaysConstant, bin-packing, diffn, Element constraint, cumulative, alwaysIn	Python	CHIP, Cplex	super-computer, rectangle-packing, railway	metal industry	real-life, industry partner, real-world, generated instance, github, industrial instance		23	669
LuoVLBM16 [419]	4	task, job, job-shop, resource, machine, precedence, order, activity, scheduling					nurse			time-tabling	114	760
Madi-WambaB16 [421]	16	precedence, task, resource, job, order, scheduling		cumulative, TaskIntersection constraint	Java	Choco Solver, CHIP			real-world, benchmark, random instance, generated instance		115	761
Madi-WambaLOBM17 [422]	8	job, distributed, scheduling, order, machine, task, re-scheduling, activity, precedence, resource		bin-packing, cumulative, Cumulatives constraint, Element constraint	Prolog	SICStus	datacenter		real-world	sweep	97	743
MakMS10 [423]	5	inventory, task, job, resource, scheduling, due-date, order, machine, activity, transportation, precedence		cycle							201	847

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MalapertCGJLR13 [426]	2	flow-shop, order, make-span, scheduling, cmax, open-shop, resource, preempt, precedence, task, job, job-shop, machine	single machine, Open Shop Scheduling Problem	disjunctive, cumulative	Java	Choco Solver			benchmark, real-life		162	808
MalapertN19 [427]	17	sequence dependent setup, order, job, flow-time, machine, cmax, make-span, scheduling, completion-time, resource, setup-time, task	PMSP, PTC, parallel machine, single machine	noOverlap, cumulative, alternative constraint, alwaysIn		Cplex, CPO	semiconductor		benchmark, generated instance, industrial instance, Roadeff		67	713
MaraveliasG04 [430]	20					OZ					272	918
Mehdizadeh-Somarin23 [434]	14	make-span, preempt, multi-agent, completion-time, tardiness, scheduling, cmax, job, setup-time, precedence, order, job-shop, re-scheduling, machine, flow-shop, task	JSSP, parallel machine, single machine		Python	Cplex	COVID, robot		random instance		9	655
MelgarejoLS15 [11]	17	tardiness, scheduling, machine, order, task, precedence, transportation, setup-time, resource, job	single machine	alldifferent, noOverlap, circuit, Disjunctive constraint, disjunctive, table constraint		Cplex			real-world, benchmark		132	778
Mercier-AubinGQ20 [441]	13	order, Benders Decomposition, job, make-span, sequence dependent setup, tardiness, resource, precedence, completion-time, machine, activity, due-date, preempt, task, setup-time, earliness, lazy clause generation, job-shop, scheduling	RCPSPP	circuit, cumulative, disjunctive, cycle	C++, Python	OPL, MiniZinc		textile industry, manufacturing industry	industrial instance, industrial partner		51	697
MoffittPP05 [446]	6	order, activity, machine, cmax, make-span, scheduling, resource	Temporal Constraint Satisfaction Problem	cycle, disjunctive							259	905
MonetteDD07 [448]	14	machine, precedence, make-span, job, scheduling, completion-time, resource, preempt, no preempt, task, job-shop, open-shop, order	Open Shop Scheduling Problem, OSP	disjunctive		Gecode			benchmark	not-last, not-first, edge-finding	236	882
MonetteDH09 [449]	8	machine, precedence, release-date, tardiness, make-span, job, scheduling, completion-time, resource, preempt, earliness, due-date, task, job-shop, order, activity, distributed		cycle, disjunctive, cumulative					benchmark	not-last	210	856
MossigeGSMC17 [452]	18	activity, job, order, completion-time, scheduling, machine, precedence, distributed, preempt, make-span, task, job-shop, resource	single machine, FJS, RCPSPP	Cumulatives constraint, cumulative, cycle, disjunctive	Prolog	CHIP, SIC-Stus	robot, rectangle-packing		real-world, benchmark, random instance, CSPlib, generated instance, industrial partner		98	744

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MouraSCL08 [454]	16	scheduling, preempt, transportation, precedence, distributed, activity, order, inventory, resource		table constraint, Element constraint, Channeling constraint, cycle, disjunctive	C++	Ilog Solver, Ilog Scheduler	pipeline			max-flow	222	868
MouraSCL08a [453]	8	order, scheduling, resource, transportation, re-scheduling, due-date, inventory, distributed		Channeling constraint, disjunctive, cumulative	C++	Ilog Scheduler, Ilog Solver	pipeline		real-world, benchmark		223	869
MurinR19 [456]	16	job-shop, make-span, transportation, resource, scheduling, Benders Decomposition, completion-time, precedence, task, order, machine, setup-time, job, activity	JSPT	alternative constraint, noOverlap, endBeforeStart		Cplex, OPL	robot, patient		github, benchmark, real-life		68	714
MurphyMB15 [457]	17	scheduling, task, machine, activity, order, re-scheduling, resource		cycle, circuit, Disjunctive constraint, cumulative, disjunctive	Java	Choco Solver			real-world		133	779
Muscettola02 [458]	16	job-shop, resource, activity, job, cmax, precedence, scheduling, order		cycle, Balance constraint						edge-finding, max-flow	292	938
MusliuSS18 [459]	17	distributed, activity, order, scheduling, manpower, task, machine		Regular constraint, cycle, Cardinality constraint		Gecode, Gurobi, MiniZinc	operating room, nurse		generated instance, benchmark, real-life		82	728
NattafM20 [471]	16	setup-time, scheduling, order, make-span, completion-time, flow-time, resource, machine, job	single machine, PMSP, parallel machine, PTC	cumulative, noOverlap		CPO, Cplex	semiconductor		benchmark, industrial instance		52	698
NishikawaSTT18 [474]	6	order, precedence, scheduling, make-span, resource, activity, task, distributed		alternative constraint, endBeforeStart		Cplex	pipeline, robot		real-world, benchmark		83	729
NishikawaSTT18a [475]	6	order, make-span, scheduling, resource, precedence, task, activity, distributed, re-scheduling		endBeforeStart, alternative constraint		Cplex	nurse, pipeline, robot		benchmark, real-life, real-world		84	730
NuijtenA94 [482]	5	resource, scheduling, preempt, machine, make-span, job, precedence, job-shop, completion-time, order	JSSP	disjunctive, Disjunctive constraint	C++	Ilog Solver, CPO			time-tabling		323	969
OddiPCC03 [486]	15	distributed, resource, machine, preempt, scheduling, precedence, order, completion-time, task, activity	single machine	cycle	Java		satellite, earth observation		benchmark		281	927

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
OuelletQ13 [490]	16	scheduling, task, make-span, completion-time, precedence, order, preempt, resource	RCPSP, CuSP, psplib	Cumulatives constraint, cumulative, disjunctive		Choco Solver			benchmark	edge-finder, energetic reasoning, time-tabling, sweep, edge-finding, not-first, not-last	163	809
OuelletQ18 [491]	18	scheduling, task, make-span, completion-time, precedence, order, resource	RCPSP, psplib	Cumulatives constraint, cumulative, disjunctive	Java	Choco Solver			benchmark, RoaDef	energetic reasoning, time-tabling, edge-finding, not-first, not-last	85	731
OuelletQ22 [492]	17	scheduling, task, activity, completion-time, order, preempt, resource, lazy clause generation		GCC constraint, Cumulatives constraint, cumulative, Cardinality constraint, disjunctive, SoftCumulative	Java	MiniZinc, Choco Solver	nurse		github, benchmark, random instance	energetic reasoning, time-tabling, sweep, edge-finding, not-first, not-last	24	670
OujanaAYB22 [493]	6	due-date, tardiness, make to order, job-shop, buffer-capacity, setup-time, sequence dependent setup, open-shop, task, order, distributed, precedence, flow-shop, batch process, make-span, job, scheduling, completion-time, resource, machine, preempt	HFF, PMSP, parallel machine, FJS	span constraint, noOverlap, disjunctive		CPO, OPL	robot, COVID	steel industry, food industry	industrial instance, real-world, benchmark, real-life		25	671
ParkUJR19 [500]	8	machine, order, tardiness, preempt, scheduling, make-span, completion-time, task, flow-time, cmax, job, lateness, no preempt, distributed, due-date, job-shop, flow-shop, resource, open-shop	parallel machine, single machine	endBeforeStart, cycle, noOverlap				trade industry	real-world		69	715
PembertonG98 [501]	14	scheduling, machine, order, job-shop, resource, activity, preempt, job, task		geost, cycle		Ilog Solver, OPL	robot, satellite				306	952
PerezGSL23 [503]	7	inventory, order, transportation, re-scheduling, resource, scheduling, task, machine, activity, make-span, completion-time		table constraint, cumulative		OPL	container terminal, operating room, nurse, steel mill		real-world, generated instance		10	656

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
PesantRR15 [505]	16	transportation, lazy clause generation, scheduling, activity, order		cumulative, Cardinality constraint, Regular constraint, table constraint		Ilog Solver, Gecode, Gurobi					134	780
PoderB08 [507]	8	resource, release-date, preempt, due-date, order, scheduling, producer/consumer, task, activity		cumulative		CHIP				sweep	224	870
PopovicCGNC22 [511]	15	order, completion-time, scheduling, machine, transportation, make-span, task, resource, activity	TMS	Balance constraint, cumulative, noOverlap, alwaysIn	C++, Prolog	SICStus, Cplex, CHIP	pipeline	electricity industry			26	672
PovedaAA23 [513]	21	make-span, resource, job, precedence, Benders Decomposition, lazy clause generation, release-date, task, job-shop, activity, order, scheduling, preempt	RCPSP	Calendar constraint, cumulative, disjunctive	Python	Cplex, MiniZinc, Chuffed, CPO	automotive, aircraft		github, benchmark, industrial instance, real-world, real-life	GRASP	11	657
Pralet17 [514]	19	setup-time, job, activity, job-shop, sequence dependent setup, resource, scheduling, precedence, due-date, order, make-span, machine	JSSP, RCPSP, psplib	cycle, cumulative, disjunctive		CPO, Cplex, CHIP	satellite		benchmark		99	745
PraletLJ15 [515]	16	task, job-shop, activity, make-span, precedence, due-date, tardiness, order, resource, job, scheduling	JSSP	alternative constraint, Regular constraint, noOverlap, cycle		CPO, Cplex	earth observation, satellite				135	781
Puget95 [517]	4	resource, task, job, order, scheduling, transportation, manpower, job-shop, activity		disjunctive		OPL			benchmark		317	963
QuSN06 [520]	4	task, scheduling, precedence, distributed, resource		circuit	Prolog	SICStus					244	890
QuirogaZH05 [521]	6	machine, release-date, tardiness, scheduling, completion-time, resource, earliness, due-date, task, precedence, flow-shop, make-span, order, inventory, activity, flow-time				Ilog Solver, OPL, ECLiPSe, Ilog Scheduler	robot				260	906
RendlPHPR12 [523]	17	job, scheduling, machine, transportation, re-scheduling, order			Java		medical, patient, nurse		real-world, CSPLib, benchmark		174	820
RiahiNS018 [524]	9	no-wait, flow-shop, completion-time, tardiness, order, buffer-capacity, sequence dependent setup, job, scheduling, blocking constraint, distributed, setup-time, machine, make-span		Blocking constraint				cutting industry, painting industry	real-world, real-life, benchmark	NEH, GRASP	86	732
RodosekW98 [525]	15	order, resource, scheduling, task, transportation, machine, activity, make-span, job		disjunctive, cycle, circuit, Disjunctive constraint	Prolog	OPL, CHIP, ECLiPSe, Cplex	hoist, electroplating		benchmark		307	953

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
RossiTHP07 [531]	15	inventory, order, resource, scheduling, distributed, stock level		cumulative, cycle		OPL, Choco Solver					237	883
Sadykov04 [534]	7	release-date, scheduling, completion-time, task, machine, job, lateness, due-date, preempt, precedence	parallel machine, single machine	disjunctive						edge-finding	273	919
SchausD08 [537]	6	precedence, order, task, preempt		IloPack, bin-packing, cycle, Reified constraint, Element constraint		Ilog Solver, OPL			real-life, benchmark		225	871
SchuttCSW12 [542]	17	scheduling, resource, preempt, lazy clause generation, order, activity, precedence, make-span		cumulative		CHIP			benchmark		175	821
SchuttFS13 [544]	17	resource, job, lazy clause generation, scheduling, task, job-shop, machine, activity, make-span, completion-time, precedence, order	RCPSP, FJS	disjunctive, Disjunctive constraint, span constraint, alternative constraint, cumulative		MiniZinc			benchmark	energetic reasoning, time-tabling	164	810
SchuttFS13a [543]	17	make-span, scheduling, completion-time, resource, machine, preempt, lazy clause generation, task, order, activity, precedence	psplib, RCPSP	circuit, disjunctive, cumulative		SCIP, CHIP			benchmark	not-last, energetic reasoning, edge-finding	165	811
SchuttFSW09 [545]	16	scheduling, resource, machine, preempt, lazy clause generation, open-shop, task, order, activity, precedence, make-span, job	psplib	Disjunctive constraint, disjunctive, cumulative		ECLiPSe, CHIP, SICStus			real-world, benchmark	edge-finder	211	857
SchuttS16 [550]	17	machine, precedence, order, inventory, activity, preempt, manpower, scheduling, make-span, producer/consumer, lazy clause generation, resource	RCPSP	Balance constraint, Cumulatives constraint, cumulative		Chuffed, MiniZinc, OPL, Ilog Scheduler			benchmark		116	762
SchuttW10 [551]	15	order, activity, preempt, release-date, scheduling, make-span, task, lazy clause generation, due-date, resource	CuSP, psplib, RCPSP	disjunctive, Disjunctive constraint, cumulative	Java	CHIP	rectangle-packing		benchmark	not-last, edge-finding, not-first	202	848
SchuttWS05 [552]	15	task, due-date, machine, order, preempt, resource, release-date, scheduling		cumulative, disjunctive		OPL, CHIP			benchmark	not-last	261	907
SerraNM12 [553]	17	inventory, preempt, resource, precedence, order, activity, release-date, scheduling, machine		cumulative, alwaysIn, cycle		OPL, Cplex			real-world, benchmark	GRASP	176	822
SialaAH15 [560]	10	make-span, task, cmax, job, job-shop, resource, open-shop, machine, precedence, order, tardiness, setup-time, earliness, lazy clause generation, scheduling	RCPSP, JSSP	Disjunctive constraint, cumulative, disjunctive		Mistral			github, benchmark	edge-finding	136	782

Table 3: Automatically Extracted PAPER Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SimoninAHL12 [561]	15	resource, activity, scheduling, task, precedence, preempt, order		disjunctive, span constraint, cycle, cumulative		CHIP	satellite			sweep	177	823
Simonis95 [564]	4	scheduling, task, producer/consumer, resource, transportation, machine, precedence, order		diffn, Among constraint, cumulative, cycle, circuit	Prolog	CHIP	aircraft	food industry			318	964
Simonis95a [563]	21	scheduling, manpower, task, machine, job, precedence, distributed, stock level, due-date, order, inventory, producer/consumer, resource		cycle, diffn, circuit, cumulative	Prolog, C++	OPL, CHIP	aircraft, pipeline	chemical industry, drawing industry	real-life, benchmark		319	965
Simonis99 [565]	39	scheduling, task, producer/consumer, job, inventory, due-date, manpower, resource, transportation, stock level, machine, precedence, order, activity		disjunctive, Disjunctive constraint, diffn, cumulative, alldifferent, cycle, circuit	C++, Prolog	OPL, CHIP, ECLiPSe, SICStus	aircraft, pipeline, nurse	chemical industry, food industry, process industry	benchmark, real-world, real-life	bi-partite matching	302	948
SimonisC95 [568]	14	scheduling, manpower, task, transportation, machine, job, stock level, continuous-process, job-shop, due-date, flow-shop, order, inventory, batch process, producer/consumer, resource		diffn, cumulative	Prolog	CHIP	aircraft, pipeline	food industry	real-life		320	966
SimonisH11 [569]	14	preempt, manpower, task, order, producer/consumer, resource, scheduling		Element constraint, CumulativeCost, Cumulatives constraint, cumulative		Choco Solver, CHIP, Cplex			real-life, real-world	sweep, edge-finding	191	837
SquillaciPR23 [571]	17	multi-agent, distributed, task, resource, activity, order, scheduling	EOSP, OSP, Earth Observation Scheduling Problem	noOverlap	Python	Cplex	earth orbit, earth observation, satellite		github, benchmark	GRASP	12	658
SunLYL10 [574]	6	task, order, distributed, scheduling		cycle		OPL, Cplex	automotive				203	849
SvancaraB22 [576]	8	multi-agent, batch process, make-span, order, activity, scheduling, resource, task		alternative constraint, noOverlap			railway		benchmark, real-world	time-tabling	27	673
SzerediS16 [577]	10	task, machine, activity, order, preempt, make-span, resource, precedence, lazy clause generation, scheduling	RCPSP, psplib	Element constraint, cumulative		Cplex, MiniZinc, SCIP, Chuffed, Gecode			benchmark		117	763
TanT18 [579]	12	flow-shop, Benders Decomposition, machine, cmax, release-date, job-shop, task, scheduling, completion-time, precedence, make-span, re-scheduling, job, setup-time	single machine, parallel machine	Disjunctive constraint, disjunctive		Cplex	medical, operating room, patient, robot		benchmark		87	733

Table 3: Automatically Extracted PAPER Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
TangB20 [580]	16	job, flow-shop, resource, make-span, scheduling, tardiness, due-date, order, batch process, machine, precedence, Benders Decomposition	HFS, 2BPHFSP, single machine	span constraint, bin-packing, alwaysIn, Cardinality constraint, Element constraint, cycle, endBeforeStart, GCC constraint	Java	CPO, Cplex	semiconductor	manufacturing industry	real-world		53	699
TardivoDFMP23 [582]	18	activity, order, scheduling, lazy clause generation, task, precedence, preempt, make-span, resource	RCPSP, psplib, CuSP	cumulative, disjunctive, Cumulatives constraint	C++	CHIP, Gecode, MiniZinc			benchmark, bit-bucket, github, real-world	sweep, energetic reasoning, not-last, not-first, edge-finding, time-tabling	13	659
TasselGS23 [583]	9	flow-shop, completion-time, order, tardiness, resource, scheduling, preempt, flow-time, task, machine, re-scheduling, make-span, job, precedence, job-shop	JSSP	cumulative, disjunctive, noOverlap	Java	Choco Solver			industrial instance, real-world, supplementary material, github, benchmark		14	660
Teppan22 [586]	8	job-shop, make-span, cmax, preempt, distributed, resource, scheduling, flow-shop, task, order, completion-time, machine, setup-time, job	parallel machine, JSSP, PTC, FJS	noOverlap, endBeforeStart	Java	OR-Tools, OPL			benchmark, real-life		28	674
Tesch16 [589]	27	job, resource, make-span, scheduling, order, completion-time, precedence	CuSP, psplib, RCPSP	cumulative, disjunctive	C++	OPL			Roadef	energetic reasoning, not-first, sweep, edge-finding, not-last, time-tabling	118	764
Tesch18 [590]	17	preempt, task, job, release-date, resource, make-span, scheduling, due-date, order, machine, completion-time, precedence, lateness	CuSP, psplib, RCPSP, single machine	cumulative					Roadef	energetic reasoning, sweep, edge-finding, not-last, time-tabling	88	734
ThiruvadyBME09 [591]	15	due-date, make-span, resource, setup-time, tardiness, open-shop, machine, job, scheduling, order	single machine	cumulative	C++	Gecode					212	858
ThomasKS20 [593]	18	order, transportation, resource, scheduling, activity		cumulative	C , Java	CPO, OR-Tools, OPL, Cplex	medical, patient		CSplib, benchmark, generated instance, bit-bucket		54	700
Thorsteinsson01 [594]	15	order, Benders Decomposition, scheduling, job, machine, precedence, task, due-date	parallel machine	alldifferent, cumulative, circuit, Arithmetic constraint		OPL					295	941

Table 3: Automatically Extracted PAPER Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Tom19 [596]	6	task, tardiness, resource, job-shop, job, re-scheduling, activity, scheduling, make-span, machine, transportation	single machine		Java	OPL			real-world		70	716
TouatBT22 [599]	8	job, no preempt, distributed, due-date, job-shop, flow-shop, resource, machine, precedence, order, tardiness, activity, preempt, release-date, earliness, scheduling, make-span, completion-time, task	RCPSP, single machine	noOverlap		Cplex, OPL	robot, satellite, container terminal		generated instance, benchmark	time-tabling	29	675
Touraivane95 [600]	3	order, scheduling, task			Prolog		crew-scheduling		real-life		321	967
TranB12 [602]	6	setup-time, due-date, Benders Decomposition, release-date, resource, make-span, scheduling, sequence dependent setup, tardiness, job, order, machine, completion-time, distributed, precedence, cmax	PMSP, single machine, parallel machine	cycle, circuit	C++	Cplex			benchmark		178	824
TranDRFWOVB16 [603]	9	resource, activity, re-scheduling, job, order, scheduling, machine, task, job-shop, precedence		cycle	Python	OPL	aircraft				119	765
TranTDB13 [605]	9	flow-shop, resource, cmax, machine, job, re-scheduling, setup-time, scheduling, order, make-span, task, flow-time, distributed	parallel machine	cycle	C++	Cplex			real-world		166	812
TranVNB17a [607]	5	scheduling, task, transportation, machine, activity, setup-time, order, resource		alternative constraint, cumulative		Cplex	medical, robot		real-world		100	746
TranWDRFOVB16 [608]	9	job, order, scheduling, task, precedence, activity, job-shop, machine	single machine	cumulative, cycle	Python	OPL, Ilog Scheduler	robot, satellite		benchmark		120	766
ValleMGT03 [612]	8	machine, order, scheduling, transportation, make-span, resource, job, precedence, task, job-shop				Ilog Solver	robot		real-life	edge-finder	282	928
VanczaM01 [617]	15	resource, machine, order, scheduling, precedence, task		cycle, disjunctive, Disjunctive constraint			robot		real-world, real-life		296	942
VerfaillieL01 [618]	15	task, job-shop, job, open-shop, order, scheduling	Open Shop Scheduling Problem	cycle		Cplex, OPL	earth observation, satellite				297	943
Vilim02 [619]	1	resource, scheduling, precedence, sequence dependent setup, batch process, activity, setup-time		cumulative, disjunctive						edge-finding	293	939
Vilim03 [620]	1	job, open-shop, order, scheduling, job-shop		cumulative, disjunctive						edge-finding, not-last	283	929

Table 3: Automatically Extracted PAPER Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Vilim04 [621]	13	task, job, order, resource, scheduling, precedence, sequence dependent setup, batch process, machine, completion-time, activity, setup-time, job-shop		cumulative, dis-junctive					benchmark	edge-finding, sweep, not-last	274	920
Vilim05 [622]	14	preempt, task, job, open-shop, order, resource, make-span, scheduling, precedence, machine, completion-time, activity, job-shop		cumulative, dis-junctive	C++				benchmark	not-last	262	908
Vilim09 [623]	15	preempt, job, order, resource, scheduling, precedence, completion-time, activity, job-shop		cumulative, cycle		CPO				energetic reasoning, edge-finding, not-first, not-last	213	859
Vilim09a [624]	15	order, scheduling, completion-time, task, activity, resource, preempt		cycle, cumulative		Ilog Scheduler				edge-finding, not-last, energetic reasoning	214	860
Vilim11 [625]	16	preempt, task, order, resource, scheduling, precedence, machine, completion-time, activity, manpower	psplib, RCPSP	cumulative, dis-junctive, cycle					benchmark	energetic reasoning, edge-finding, sweep, not-last, time-tabling	192	838
VilimBC04 [626]	15	scheduling, make-span, completion-time, job, distributed, job-shop, resource, open-shop, machine, precedence, order, activity		disjunctive, cumulative					benchmark, real-life	edge-finding, not-first, not-last	275	921
VilimLS15 [628]	17	machine, precedence, order, activity, earliness, scheduling, make-span, completion-time, task, cmax, job, job-shop, resource	psplib, RCPSP	disjunctive, noOverlap, cumulative		Cplex, CPO	rectangle-packing		benchmark	time-tabling	137	783
Wallace06 [633]	32	earliness, task, resource, machine, job, job-shop, transportation, scheduling, Benders Decomposition, order, tardiness		cycle, Channeling constraint, circuit		Z3, CHIP, Cplex, ECLiPSe, OPL	hoist		benchmark, real-world, RoadeF		245	891
WangB20 [635]	8	task, resource, scheduling, job, order, machine, distributed	Fixed Job Scheduling, FJS	AllDiff constraint, alldifferent, Min-WeightAllDiff, WeightAllDiff		Gurobi	aircraft		github		55	701
WangB23 [636]	8	task, resource, scheduling, job, lazy clause generation, order, transportation	Fixed Job Scheduling, FJS	alldifferent, Channeling constraint, Min-WeightAllDiff, WeightAllDiff		Gurobi	crew-scheduling, operating room, aircraft		random instance, real-world		15	661

Table 3: Automatically Extracted PAPER Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
WatsonB08 [639]	15	job-shop, resource, machine, order, scheduling, make-span, completion-time, cmax, job		disjunctive	C++	Ilog Scheduler			real-world, benchmark		226	872
WessenCS20 [640]	10	make-span, completion-time, precedence, order, multi-agent, job, scheduling, task, job-shop		circuit		Gecode	robot		real-world		56	702
WinterMMW22 [642]	18	tardiness, setup-time, task, order, distributed, precedence, release-date, job, scheduling, completion-time, resource, machine, due-date	PMSp, parallel machine	noOverlap, alternative constraint		CPO, Gurobi, Cplex	farming	manufacturing industry, agricultural industry	supplementary material, zenodo, industrial partner, benchmark, real-life, industry partner		30	676
Wolf03 [643]	15	resource, job, machine, job-shop, task, order, preempt, scheduling, completion-time, make-span, activity		cumulative, Disjunctive constraint, disjunctive	Java		pipeline		benchmark	not-last, edge-finding, not-first, sweep	284	930
Wolf05 [644]	15	resource, job, machine, job-shop, task, order, preempt, scheduling, completion-time, precedence, make-span, activity		cumulative	Java	Ilog Scheduler			benchmark	not-last, edge-finding, not-first, sweep	263	909
Wolf09 [647]	17	resource, job, machine, job-shop, task, order, preempt, scheduling		WeightedSum, Weighted-TaskSum	Java	CHIP, SICStus, OPL	operating room, patient, surgery		real-life	not-last, edge-finding, not-first, sweep	215	861
Wolf11 [645]	17	distributed, resource, inventory, machine, producer/consumer, task, order, preempt, scheduling, sequence dependent setup, activity, transportation, setup-time	single machine	cumulative, Element constraint, Cumulatives constraint, alternative constraint	Java	CHIP, OPL	medical, nurse, physician, operating room, patient, surgery				193	839
WolFS05 [646]	14	order, completion-time, scheduling, distributed, preempt, activity, task, resource		cumulative		CHIP			real-world	energetic reasoning, sweep, not-last	264	910
WolinskiKG04 [648]	8	resource, precedence, scheduling, machine, order, distributed	SCC	Diff2 constraint, cycle	Java		pipeline				277	923
WuBB05 [649]	1	resource, job, release-date, scheduling, make-span				Ilog Scheduler			benchmark		265	911
YangSS19 [651]	10	resource, preempt, order, scheduling, completion-time, machine, task, activity, lazy clause generation		cumulative, disjunctive	Prolog	Choco Solver, Gecode, CHIP, OR-Tools, SICStus, OPL	rectangle-packing		generated instance	energetic reasoning, edge-finding, not-last	71	717
YoungFS17 [653]	10	lazy clause generation, scheduling, make-span, task, resource, machine, precedence, order, activity, preempt	psplib, RCPSP	disjunctive, cumulative		Chuffed, MiniZinc			benchmark, github, instance generator	time-tabling	101	747

Table 3: Automatically Extracted PAPER Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
YuraszeckMC23 [656]	6	job, open-shop, order, scheduling, due-date, make-span, precedence, cmax, distributed, preempt, job-shop, flow-time, release-date, machine	OSSP, JSSP	noOverlap					benchmark, github		16	662
ZhangBB22 [665]	9	preempt, scheduling, precedence, order, make-span, completion-time, task, distributed, job-shop, resource, cmax, machine, job, lateness	single machine	disjunctive, span constraint, Disjunctive constraint, cycle	Python	OPL, Gurobi, CPO			benchmark, generated instance		31	677
ZhangJZL22 [664]	6	resource, scheduling, task, transportation, machine, make-span, job, precedence, setup-time, due-date, flow-shop, completion-time, order, tardiness	single machine, parallel machine, HFS	noOverlap, endBeforeStart, alternative constraint, cumulative			semiconductor		benchmark		32	678
ZhangLS12 [668]	4	scheduling, order, cmax								time-tabling	179	825
Zhou96 [669]	15	release-date, job-shop, due-date, task, order, scheduling, completion-time, precedence, job, machine		Disjunctive constraint, disjunctive	Prolog	Z3			edge-finding		315	961
ZhouGL15 [671]	5	distributed, resource, tardiness, job-shop, flow-shop, re-scheduling, task, order, scheduling, completion-time, machine, setup-time, job, make-span, transportation, cmax	HFF, FJS, HFS, parallel machine	cumulative		CHIP, Gecode, OR-Tools	railway		real-world	GRASP, NEH	138	784
ZhuS02 [672]	5	activity, distributed, resource, scheduling									294	940
ZibranR11 [674]	4	scheduling, order, activity			Java	Cplex, OPL					194	840
ZibranR11a [675]	10	scheduling, distributed, activity, order, resource				Cplex, OPL				time-tabling	195	841

2.3 Manually Defined Fields

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
BonninMNE24 BonninMNE24 [114]	Toward a Global Constraint for Minimizing the Flowtime		benchmark, real-life	0							1	385
AalianPG23 AalianPG23 [1]	Optimization of Short-Term Underground Mine Planning Using Constraint Programming	CP Opt	real-world	1	n		n			?	2	328
Bit-Monnot23 Bit-Monnot23 [96]	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	ARIES CP Opt OR-Tools Mistral	benchmark, real-world, github	1	y		y	-	JSSP OSSP	-	3	374
EfthymiouY23 EfthymiouY23 [195]	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	OR-Tools	generated instance, benchmark, random instance, real-life, industrial instance	3	n		n	-	CHSP	-	4	419
JuvinHHL23 JuvinHHL23 [332]	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	CP Opt Mistral	github, benchmark, supplementary material	6	ref		y		PJSSP	endBeforeStart span noOverlap	5	481
JuvinHL23 JuvinHL23 [334]	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	CP Opt Cplex	real-world	0	ref		n	-	Perm FSSP	endBeforeStart noOverlap sameSequence	6	482
KameugneFND23 KameugneFND23 [340]	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	?	benchmark	5	BL PSPLib		n	-	RCPSPs	cumulative	7	485
KimCMLLP23 KimCMLLP23 [349]	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Gurobi OR-Tools	real-world, zenodo, benchmark	0	y		n	-	SCC	alternative noOverlap	8	490
Mehdizadeh-Somarin23 Mehdizadeh-Somarin23 [434]	A Constraint Programming Model for a Reconfigurable Job Shop Scheduling Problem with Machine Availability	CP Opt	random instance	0	n		n	-	JSSP RMS	alternative endBeforeStart noOverlap	9	534
PerezGSL23 PerezGSL23 [503]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	10	558
PovedaAA23 PovedaAA23 [513]	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	CP Opt MiniZinc Chuffed	github, benchmark, industrial instance, real-world, real-life	4	y		y		PP-MS- MMRCPSP/max-cal		11	562
SquillaciPR23 SquillaciPR23 [571]	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Cplex Studio	github, benchmark	2	y		n	-	EOSP	?	12	589
TardivoDFMP23 TardivoDFMP23 [582]	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	MiniCPP MiniZinc	benchmark, bitbucket, github, real-world	9	PSPLib BL Pack		y	-	RCPSP	cumulative	13	595
TasselGS23 TasselGS23 [583]	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	custom Choco	industrial instance, real-world, supplementary material, github, benchmark	0	ref		y	-	JSSP	noOverlap	14	596
WangB23 WangB23 [636]	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	FaCiLe	random instance, real-world	0	(y)		n	[635]	FJS	-	15	625
YuraszeckMC23 YuraszeckMC23 [656]	A competitive constraint programming approach for the group shop scheduling problem	CP Opt	benchmark, github	0	ref		n	-	GSSP	noOverlap endBeforeStart	16	638

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
ArmstrongGOS22 ArmstrongGOS22 [27]	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	CP Opt	real-world, benchmark	0	(y)		-	[26]	$HFFm tt C_{\max}$	endBeforeStart alternative cumulative noOverlap	17	340
BoudreaultSLQ22 BoudreaultSLQ22 [118]	A Constraint Programming Approach to Ship Refit Project Scheduling	MiniZinc Chuffed	supplementary material, gitlab, benchmark, generated instance, real-life, industrial partner, github, real-world	9			y	-	RCPSP	cumulative	18	387
GeitzGSSW22 GeitzGSSW22 [240]	Solving the Extended Job Shop Scheduling Problem with AGVs - Classical and Quantum Approaches	firstCS QUBO	real-world, real-life, github	8	y		n	-	JSSP		19	440
HebrardALLCMR22 HebrardALLCMR22 [289]	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration			0							20	461
JungblutK22 JungblutK22 [331]	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	MiniZinc	benchmark, github, real-world	0	y		y	-			21	480
LiFJZLL22 LiFJZLL22 [391]	Constraint Programming for a Novel Integrated Optimization of Blocking Job Shop Scheduling and Variable-Speed Transfer Robot Assignment	OPL CP Opt	benchmark	0	ref		n	-	BJSSP	endBeforeStart alternative noOverlap	22	511
LuoB22 LuoB22 [420]	Packing by Scheduling: Using Constraint Programming to Solve a Complex 2D Cutting Stock Problem	CPO	real-life, industry partner, real-world, generated instance, github, industrial instance	2	n		n	-	2SCSP-FF	pulse alwaysIn forbidExtent stateFunction	23	526
OuelletQ22 OuelletQ22 [492]	A MinCumulative Resource Constraint	Choco	github, benchmark, random instance	1	y		y	-		cumulative minCumulative	24	554
OujanaAYB22 OujanaAYB22 [493]	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	CP Opt	industrial instance, real-world, benchmark, real-life	0	n		n	-	HFFS	alternative span noOverlap endBeforeStart	25	555
PopovicCGNC22 PopovicCGNC22 [511]	Scheduling the Equipment Maintenance of an Electric Power Transmission Network Using Constraint Programming	CP Opt		0	n		n	-	TMS	alwaysIn noOverlap	26	561
SvancaraB22 SvancaraB22 [576]	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling		benchmark, real-world	0							27	591
Teppan22 Teppan22 [586]	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	OPL	benchmark, real-life	0	ref		n	-	FJSSP	noOverlap alternative endBeforeStart noOverlap	28	597
TouatBT22 TouatBT22 [599]	A Constraint Programming Model for the Scheduling Problem with Flexible Maintenance under Human Resource Constraints	OPL	generated instance, benchmark	0	n		n	-	Single Machine Scheduling	alternative noOverlap forbidExtent	29	604
WinterMMW22 WinterMMW22 [642]	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Cplex Gurobi CP Opt Sim Anneal	supplementary material, zenodo, industrial partner, benchmark, real-life, industry partner	0	y		y	-	PMSP	alternative noOverlap	30	628

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
ZhangBB22 ZhangBB22 [665]	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware		benchmark, generated instance	0							31	639
ZhangJZL22 ZhangJZL22 [664]	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	OP Opt	benchmark	0	ref		n	-	HFSP	alternative endBeforeStart noOverlap cumulative	32	640
AntuoriHHEN21 AntuoriHHEN21 [22]	Combining Monte Carlo Tree Search and Depth First Search Methods for a Car Manufacturing Workshop Scheduling Problem	MCTS	gitlab, supplementary material	1	y		y				33	337
ArmstrongGOS21 ArmstrongGOS21 [26]	The Hybrid Flexible Flowshop with Transportation Times	MiniZinc Chuffed CP Opt SICStus	instance generator, industry partner, zenodo, supplementary material, real-world, industrial partner, benchmark	1	y		y	-	$HFFm tt C_{\max}$	cumulative diffn table	34	339
ArtiguesHQT21 ArtiguesHQT21 [32]	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms			4							35	343
Astrand0F21 Astrand0F21 [36]	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	Gecode	benchmark, real-life, real-world, generated instance	0	ref generated		n	-		-	36	345
BenderWS21 BenderWS21 [84]	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	CP Opt		9	y		n	-	MRCPSP	noOverlap alternative	37	367
GeibingerKKMMW21 GeibingerKKMMW21 [236]	Physician Scheduling During a Pandemic	MiniZinc	real-world	3	y		n	-		nvalue	38	437
GeibingerMM21 GeibingerMM21 [239]	Constraint Logic Programming for Real-World Test Laboratory Scheduling	clingcon	github, real-world, benchmark, real-life, generated instance	0	y				TLSP RCPSP	disjunctive	39	439
HanenKP21 HanenKP21 [281]	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Python	Roadef, generated instance, random instance	1	ref		n	-	$P prec, r_i, d_i *$	-	40	459
HillTV21 HillTV21 [306]	A Computational Study of Constraint Programming Approaches for Resource-Constrained Project Scheduling with Autonomous Learning Effects	CP Opt	real-world	0	PSPlib		n	-	RCPSP	cumulative alternative endBeforeStart	41	470
KlankeBYE21 KlankeBYE21 [350]	Combining Constraint Programming and Temporal Decomposition Approaches - Scheduling of an Industrial Formulation Plant	OR-Tools	random instance, benchmark, real-life	0	n		n	-		cumulative circuit noOverlap	42	491
KovacsTKSG21 KovacsTKSG21 [365]	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Gurobi OR-Tools Cplex CP Opt CP Opt	github, supplementary material, real-world, benchmark	2	y		y	-	extended RCPSP	cumulative	43	497
LacknerMMWW21 LacknerMMWW21 [377]	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	CP Opt Chuffed OR-Tools Gurobi OPL	benchmark, instance generator, real-life, random instance, industrial partner, supplementary material	3	y		y		OSP		44	506

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
AntuoriHHEN20 AntuoriHHEN20 [21]	Leveraging Reinforcement Learning, Constraint Programming and Local Search: A Case Study in Car Manufacturing		random instance, generated instance, gitlab, benchmark, industrial instance	4							45	336
BarzegaranZP20 BarzegaranZP20 [61]	Quality-Of-Control-Aware Scheduling of Communication in TSN-Based Fog Computing Platforms Using Constraint Programming	OR-Tools		5	n		n	-	FCP		46	357
GodetLHS20 GodetLHS20 [249]	Using Approximation within Constraint Programming to Solve the Parallel Machine Scheduling Problem with Additional Unit Resources	MiniZinc Choco Chuffed	real-life, benchmark, generated instance, github	0	JSON		y	-	PMSPAU	disjunctive cumulative alldifferent enqueueCstr approxCstr	47	446
GokGSTO20 GokGSTO20 [251]	Robust Resource Planning for Aircraft Ground Operations		real-world, Roadev	3							48	447
GroleazNS20 GroleazNS20 [266]	Solving the Group Cumulative Scheduling Problem with CPO and ACO	CP Opt ACO	industrial instance, benchmark	0	-		-	[266]	GCSP	groupCumulative	49	454
GroleazNS20a GroleazNS20a [265]	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	CPO ACO	industrial partner, benchmark	0	y		n	-	GCSP	groupCumulative	50	455
Mercier-AubinGQ20 Mercier-AubinGQ20 [441]	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	MiniZinc Chuffed	industrial instance, industrial partner	1	a		a	-		circuit cumulative	51	536
NattafM20 NattafM20 [471]	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Cplex CP Opt	benchmark, industrial instance	7	-		-	[427]	PTC	alternative noOverlap	52	547
TangB20 TangB20 [580]	CP and Hybrid Models for Two-Stage Batching and Scheduling	Cplex CP Opt	real-world	0	n		n	-	2BPHFSP	span alwaysIn	53	594
ThomasKS20 ThomasKS20 [593]	Insertion Sequence Variables for Hybrid Routing and Scheduling Problems		CSPLib, benchmark, generated instance, bit-bucket	3							54	601
WangB20 WangB20 [635]	Global Propagation of Transition Cost for Fixed Job Scheduling	FaCiLe	github	0	y		n	-	FJS	-	55	624
WessenCS20 WessenCS20 [640]	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Gecode	real-world	10	n		n	-		circuit alldifferent	56	627
BadicaBIL19 BadicaBIL19 [40]	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	ECLiPSe	github	0	dead		dead	-			57	347
BehrensLM19 BehrensLM19 [76]	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks	OR-Tools	github, real-world	0	y		y	-	STAAMS		58	363
BogaerdTW19 BogaerdTW19 [614]	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	custom Cplex CPO	benchmark	4	n		n	-	Multi Machine Scheduling	noOverlap	59	378
ColT19 ColT19 [157]	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	CP Opt OR-Tools	github, benchmark, real-world	2	y		y	-	JSSP	noOverlap	60	405
FrimodigS19 FrimodigS19 [223]	Models for Radiation Therapy Patient Scheduling	Mini-Zinc Gecode Cplex	benchmark, real-world	1	n		n	-		cumulative regular bin-packing	61	428

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FrohnerTR19 FrohnerTR19 [225]	Casual Employee Scheduling with Constraint Programming and Metaheuristics	OR-Tools	benchmark, real-world	0							62	429
GalleguillosKSB19 GalleguillosKSB19 [227]	Constraint Programming-Based Job Dispatching for Modern HPC Applications			5			y		on-line dispatch		63	431
GeibingerMM19 GeibingerMM19 [238]	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling		real-world, benchmark, real-life, generated instance, industrial partner	3							64	438
KucukY19 KucukY19 [372]	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem		benchmark, generated instance	0							65	502
LiuLH19 LiuLH19 [399]	Solving the Talent Scheduling Problem by Parallel Constraint Programming	CP Opt Cplex OPL	benchmark, CSPlib	0							66	519
MalapertN19 MalapertN19 [427]	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications		benchmark, generated instance, industrial instance, Roadef	3							67	532
MurinR19 MurinR19 [456]	Scheduling of Mobile Robots Using Constraint Programming		github, benchmark, real-life	3	y		y		JSPT	endBeforeStart alternative noOverlap	68	543
ParkUJR19 ParkUJR19 [500]	Developing a Production Scheduling System for Modular Factory Using Constraint Programming		real-world	0							69	556
Tom19 Tom19 [596]	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling	CPO Gurobi	real-world	0							70	603
YangSS19 YangSS19 [651]	Time Table Edge Finding with Energy Variables		generated instance	1							71	636
AntunesABD18 AntunesABD18 [19]	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting		real-world, industry partner, industrial partner	0							72	335
ArbaouiY18 ArbaouiY18 [24]	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming		benchmark	0							73	338
AstrandJZ18 AstrandJZ18 [37]	Fleet Scheduling in Underground Mines Using Constraint Programming	Gurobi Python		0							74	346
BenediktSMVH18 BenediktSMVH18 [87]	Energy-Aware Production Scheduling with Power-Saving Modes		github, random instance, generated instance	1	y		y	-	Energy Aware Production Scheduling		75	368
CappartTSR18 CappartTSR18 [131]	A Constraint Programming Approach for Solving Patient Transportation Problems		bitbucket, real-life, CSPlib	1							76	392
DemirovicS18 DemirovicS18 [178]	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts		benchmark, real-world	5							77	412
He0GLW18 He0GLW18 [288]	A Fast and Scalable Algorithm for Scheduling Large Numbers of Devices Under Real-Time Pricing	Gurobi Python	real-world, bitbucket	8	y		y	-	FSDN-DS DSP-MH-RTP		78	460
HoYLLC18 HoYLLC18 [307]	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints		real-world	0							79	471

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KameugneFGOQ18 KameugneF-GOQ18 [339]	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint		real-world, benchmark	0							80	484
Laborie18a Laborie18a [375]	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling		real-world, real-life, benchmark	0							81	505
MusliuSS18 MusliuSS18 [459]	Solver Independent Rotating Workforce Scheduling		generated instance, benchmark, real-life	2							82	546
NishikawaSTT18 NishikawaSTT18 [474]	Scheduling of Malleable Fork-Join Tasks with Constraint Programming		real-world, benchmark	0							83	548
NishikawaSTT18a NishikawaSTT18a [475]	Scheduling of Malleable Tasks Based on Constraint Programming		benchmark, real-life, real-world	0							84	549
OuelletQ18 OuelletQ18 [491]	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning		benchmark, RoaDef	0							85	553
RiahiNS018 RiahiNS018 [524]	Local Search for Flowshops with Setup Times and Blocking Constraints		real-world, real-life, benchmark	0							86	569
TanT18 TanT18 [579]	Logic-Based Benders Decomposition for Two-Stage Flexible Flow Shop Scheduling with Unrelated Parallel Machines		benchmark	0							87	593
Tesch18 Tesch18 [590]	Improving Energetic Propagations for Cumulative Scheduling		RoaDef	0							88	599
BofillCSV17 BofillCSV17 [103]	An Efficient SMT Approach to Solve MRCPSP/max Instances with Tight Constraints on Resources		benchmark	2							89	375
CappartS17 CappartS17 [130]	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	CPO	bitbucket, real-life, random instance	1	y		n	-	Rescheduling Railway Traffic		90	391
CohenHB17 CohenHB17 [155]	(I Can Get) Satisfaction: Preference-Based Scheduling for Concert-Goers at Multi-venue Music Festivals			12							91	404
GelainPRVW17 GelainPRVW17 [241]	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems		real-life, CSPLib, benchmark	2							92	441
GoldwaserS17 GoldwaserS17 [253]	Optimal Torpedo Scheduling	Chuffed Gurobi	github, generated instance, instance generator	4	y		n	-	Torpedo Scheduling		93	448
Hooker17 Hooker17 [315]	Job Sequencing Bounds from Decision Diagrams		benchmark, random instance	0							94	475
KletzanderM17 KletzanderM17 [351]	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem			2							95	492
LiuCGM17 LiuCGM17 [400]	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Chuffed OR-Tools HCSP SA	github	11	n			-	NightSplit		96	517
Madi-WambaLOBM17 Madi-WambaLOBM17 [422]	Green Energy Aware Scheduling Problem in Virtualized Datacenters		real-world	0							97	529

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MossigeGSMC17 MossigeGSMC17 [452]	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems		real-world, benchmark, random instance, CSPlib, generated instance, industrial partner benchmark	4							98	540
Pralet17 Pralet17 [514]	An Incomplete Constraint-Based System for Scheduling with Renewable Resources		benchmark	1							99	563
TranVNB17a TranVNB17a [607]	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots (Extended Abstract)		real-world	0							100	609
YoungFS17 YoungFS17 [653]	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem		benchmark, github, instance generator	6							101	637
AmadiniGM16 AmadiniGM16 [17]	Parallelizing Constraint Solvers for Hard RCPSP Instances		benchmark, real-life, github	3							102	333
BonfiettiZLM16 BonfiettiZLM16 [113]	The Multirate Resource Constraint		generated instance, github, industrial instance, benchmark, real-world	1							103	384
BoothNB16 BoothNB16 [115]	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes		real-world	0							104	386
BridiLBBM16 BridiLBBM16 [122]	DARDIS: Distributed And Randomized Dispatching and Scheduling			0							105	388
CatusseCBL16 CatusseCBL16 [140]	A Branch-and-Price Algorithm for Scheduling Observations on a Telescope			0							106	395
CauwelaertDMS16 CauwelaertDMS16 [141]	Efficient Filtering for the Unary Resource with Family-Based Transition Times		real-life, bit-bucket, benchmark	2							107	396
FontaineMH16 FontaineMH16 [217]	Parallel Composition of Scheduling Solvers		benchmark	2							108	425
GilesH16 GilesH16 [245]	Solving a Supply-Delivery Scheduling Problem with Constraint Programming			0							109	443
GingrasQ16 GingrasQ16 [246]	Generalizing the Edge-Finder Rule for the Cumulative Constraint		benchmark	0							110	444
HechingH16 HechingH16 [292]	Scheduling Home Hospice Care with Logic-Based Benders Decomposition		real-world	0							111	463
JelinekB16 JelinekB16 [329]	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station		real-life	2							112	479
LimHTB16 LimHTB16 [394]	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control		real-world	4							113	513
LuoVLBM16 LuoVLBM16 [419]	Using Metric Temporal Logic to Specify Scheduling Problems			0							114	527
Madi-WambaB16 Madi-WambaB16 [421]	The TaskIntersection Constraint		real-world, benchmark, random instance, generated instance	3							115	528
SchuttS16 SchuttS16 [550]	Explaining Producer/Consumer Constraints		benchmark	1							116	578

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SzerediS16	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling		benchmark	2							117	592
SzerediS16 [577]												
Tesch16	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $\mathcal{O}(n^2 \log n)$		Roadef	1							118	598
Tesch16 [589]												
TranDRFWOVB16	A Hybrid Quantum-Classical Approach to Solving Scheduling Problems			0							119	607
TranDRFWOVB16 [603]												
TranWDRFOVB16	Explorations of Quantum-Classical Approaches to Scheduling a Mars Lander Activity Problem		benchmark	0							120	610
TranWDRFOVB16 [608]												
BartakV15	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints		real-world, real-life	0							121	355
BartakV15 [59]												
BofillGSV15	MaxSAT-Based Scheduling of B2B Meetings		industrial instance	3							122	377
BofillGSV15 [105]												
BurtLPS15	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feedrate Constraints: A Mine Planning Case Study		industry partner, real-world, benchmark	5							123	390
BurtLPS15 [125]												
DejemeppeCS15	The Unary Resource with Transition Times		bitbucket, real-world, generated instance, benchmark	4							124	410
DejemeppeCS15 [174]												
EvenSH15	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling		real-life, real-world	0							125	423
EvenSH15 [204]												
GayHLS15	Conflict Ordering Search for Scheduling Problems		bitbucket, benchmark	0							126	433
GayHLS15 [231]												
GayHS15	Simple and Scalable Time-Table Filtering for the Cumulative Constraint		bitbucket	2							127	434
GayHS15 [232]												
GayHS15a	Time-Table Disjunctive Reasoning for the Cumulative Constraint		benchmark, real-world, bitbucket	0							128	435
GayHS15a [233]												
KreterSS15	Modeling and Solving Project Scheduling with Calendars		benchmark	3							129	500
KreterSS15 [366]												
LimBTBB15	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings		benchmark	3							130	512
LimBTBB15 [395]												
LombardiBM15	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty		benchmark, real-world	0							131	520
LombardiBM15 [403]												
MelgarejoLS15	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems		real-world, benchmark	1							132	535
MelgarejoLS15 [11]												
MurphyMB15	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System		real-world	3							133	544
MurphyMB15 [457]												
PesantRR15	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem			1							134	559
PesantRR15 [505]												
PraletLJ15	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search			0							135	564
PraletLJ15 [515]												
SialaAH15	Two Clause Learning Approaches for Disjunctive Scheduling		github, benchmark	5							136	582
SialaAH15 [560]												
VilimLS15	Failure-Directed Search for Constraint-Based Scheduling		benchmark	8							137	622
VilimLS15 [628]												
ZhouGL15	On complex hybrid flexible flowshop scheduling problems based on constraint programming		real-world	0							138	643
ZhouGL15 [671]												
AlesioNBG14	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing		benchmark	2							139	332
AlesioNBG14 [182]												

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BartoliniBBLM14 BartoliniBBLM14 [60]	Proactive Workload Dispatching on the EURORA Supercomputer			4							140	356
BessiereHMQW14 BessiereHMQW14 [93]	Buffered Resource Constraint: Algorithms and Complexity		benchmark, real-life	0							141	372
BofillEGPSV14 BofillEGPSV14 [104]	Scheduling B2B Meetings		industrial instance	6							142	376
BonfiettiLM14 BonfiettiLM14 [111]	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!		benchmark, real-world	2							143	382
DejemeppeD14 DejemeppeD14 [175]	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling		bitbucket	0							144	411
DerrienP14 DerrienP14 [180]	A New Characterization of Relevant Intervals for Energetic Reasoning		random instance	0							145	413
DerrienPZ14 DerrienPZ14 [181]	A Declarative Paradigm for Robust Cumulative Scheduling		real-world, benchmark, random instance	0							146	414
DoulabiRP14 DoulabiRP14 [190]	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling			0							147	417
FriedrichFMRSS14 FriedrichFMRSS14 [222]	Representing Production Scheduling with Constraint Answer Set Programming			0							148	No
GaySS14 GaySS14 [234]	Continuous Casting Scheduling with Constraint Programming		real-life, CSPLib	0							149	436
HoundjiSWD14 HoundjiSWD14 [321]	The StockingCost Constraint		bitbucket, generated instance	0							150	477
KoschB14 KoschB14 [357]	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes		benchmark	0							151	494
LipovetzkyBPS14 LipovetzkyBPS14 [398]	Planning for Mining Operations with Time and Resource Constraints		real-life, real-world, industrial partner, industry partner, benchmark, generated instance	0							152	516
LouieVNB14 LouieVNB14 [416]	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities			0							153	525
BonfiettiLM13 BonfiettiLM13 [110]	De-Cycling Cyclic Scheduling Problems			0							154	381
ChuGNSW13 ChuGNSW13 [148]	On the Complexity of Global Scheduling Constraints under Structural Restrictions			0							155	399
CireCH13 CireCH13 [150]	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	CP Opt Cplex		1	dead		n	-			156	401
GuSS13 GuSS13 [268]	A Lagrangian Relaxation Based Forward-Backward Improvement Heuristic for Maximising the Net Present Value of Resource-Constrained Projects	Chuffed	benchmark	1	dead			-	RCPSPDC	cumulative maxNVPPProp	157	457
HeinzKB13 HeinzKB13 [295]	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling			0							158	465
KelarevaTK13 KelarevaTK13 [344]	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	MiniZinc CPX G12FD	real-world	5	ref		-	-	LSFRP BPCTOP	alldifferent alldifferentExcept	159	487

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LetortCB13 LetortCB13 [388]	A Synchronized Sweep Algorithm for the k -dimensional cumulative Constraint	SICStus Choco	Roadef, bench- mark, random instance	2	PSPLib		-	-	RCPSP	cumulative kDimensionalCum	160	510
LombardiM13 LombardiM13 [410]	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling			0							161	524
MalapertCGJLR13 MalapertCGJLR13 [426]	An Optimal Constraint Programming Approach to the Open-Shop Problem		benchmark, real-life	0							162	531
OuelletQ13 OuelletQ13 [490]	Time-Table Extended-Edge-Finding for the Cumulative Constraint		benchmark	1							163	552
SchuttFS13 SchuttFS13 [544]	Scheduling Optional Tasks with Explanation		benchmark	1							164	575
SchuttFS13a SchuttFS13a [543]	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Mercury G12	benchmark	5	PSPLib AT BL Pack KSD15D PackD		-	-	RCPSP	cumulative	165	576
TranTDB13 TranTDB13 [605]	Hybrid Queueing Theory and Scheduling Models for Dynamic Environments with Sequence-Dependent Setup Times		real-world	0							166	608
BillautHL12 BillautHL12 [95]	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem		random instance	0							167	373
BonfiettiLBM12 BonfiettiLBM12 [108]	Global Cyclic Cumulative Constraint		benchmark	3							168	380
BonfiettiM12 BonfiettiM12 [112]	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem		industrial in- stance	0							169	383
GuSW12 GuSW12 [270]	Maximising the Net Present Value of Large Resource-Constrained Projects		benchmark	2							170	458
HeinzB12 HeinzB12 [294]	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling			0							171	464
IfrimOS12 IfrimOS12 [324]	Properties of Energy-Price Forecasts for Scheduling		real-life	1							172	478
LetortBC12 LetortBC12 [387]	A Scalable Sweep Algorithm for the cumulative Constraint		Roadef, bench- mark, random instance	2							173	509
RendlPHPR12 RendlPHPR12 [523]	Hybrid Heuristics for Multimodal Homecare Scheduling		real-world, CSPLib, bench- mark	2							174	568
SchuttCSW12 SchuttCSW12 [542]	Maximising the Net Present Value for Resource-Constrained Project Scheduling		benchmark	1							175	574
SerraNM12 SerraNM12 [553]	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach		real-world, benchmark	4							176	581
SimoninAHL12 SimoninAHL12 [561]	Scheduling Scientific Experiments on the Rosetta/Philae Mission	MOST Ilog Scheduler		0	n		n	-		cumulative dataTransfer	177	583
TranB12 TranB12 [602]	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups		benchmark	0							178	606
ZhangLS12 ZhangLS12 [668]	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method			0							179	641
BajestaniB11 BajestaniB11 [41]	Scheduling an Aircraft Repair Shop			0							180	348

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BonfiettiLBM11 BonfiettiLBM11 [107]	A Constraint Based Approach to Cyclic RCPSP		benchmark, generated instance, indus- trial instance	3							181	379
ChapadosJR11 ChapadosJR11 [146]	Retail Store Workforce Scheduling by Expected Operating Income Maximization			0							182	398
ClercqPBJ11 ClercqPBJ11 [152]	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource		benchmark	1							183	402
EdisO11 EdisO11 [192]	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach			0							184	418
GrimesH11 GrimesH11 [260]	Models and Strategies for Variants of the Job Shop Scheduling Problem		benchmark	1							185	452
HeinzS11 HeinzS11 [297]	Explanations for the Cumulative Constraint: An Experimental Study		benchmark	1							186	466
HermenierDL11 HermenierDL11 [304]	Bin Repacking Scheduling in Virtualized Datacenters			1							187	469
KameugneFSN11 KameugneFSN11 [341]	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints		benchmark	1							188	486
LahimerLH11 LahimerLH11 [379]	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks		benchmark	2							189	507
LombardiBMB11 LombardiBMB11 [404]	Precedence Constraint Posting for Cyclic Scheduling Problems		benchmark, industrial in- stance, real-life	0							190	521
SimonisH11 SimonisH11 [569]	A Resource Cost Aware Cumulative		real-life, real- world	1							191	588
Vilim11 Vilim11 [625]	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources		benchmark	1							192	620
Wolf11 Wolf11 [645]	Constraint-Based Modeling and Scheduling of Clinical Pathways			4							193	632
ZibranR11 ZibranR11 [674]	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach			0							194	645
ZibranR11a ZibranR11a [675]	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring			0							195	646
BertholdHLMS10 BertholdHLMS10 [92]	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling			1							196	371
CobanH10 CobanH10 [153]	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition			0							197	403
Davenport10 Davenport10 [165]	Integrated Maintenance Scheduling for Semiconductor Manufacturing			0							198	408
GrimesH10 GrimesH10 [259]	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach		benchmark	1							199	451
LombardiM10 LombardiM10 [407]	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution		real-world, benchmark	1							200	523
MakMS10 MakMS10 [423]	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems			0							201	530
SchuttW10 SchuttW10 [551]	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints		benchmark	1							202	579
SunLYL10 SunLYL10 [574]	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming			0							203	590

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
Acuna-AgostMFG09	Constraint Programming and Mixed Integer Linear Programming for Rescheduling Trains under Disrupted Operations		Roadef	1							204	330
AronssonBK09	MILP formulations of cumulative constraints for railway scheduling - A comparative study		real-world, real-life	0							205	341
AronssonBK09 [29]	Constraint-Based Schedulers, Do They Really Work?			0							206	349
Baptiste09	Closing the Open Shop: Contradicting Conventional Wisdom		benchmark	0							207	453
Baptiste09 [45]	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems		real-world, benchmark	2							208	504
GrimesHM09	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations		instance generator, real-world	1							209	522
GrimesHM09 [262]	Just-In-Time Scheduling with Constraint Programming		benchmark	0							210	539
Laborie09	Why Cumulative Decomposition Is Not as Bad as It Sounds		real-world, benchmark	1							211	577
Laborie09 [374]	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling			0							212	600
LombardiM09	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$			0							213	618
LombardiM09 [405]	Max Energy Filtering Algorithm for Discrete Cumulative Resources			1							214	619
MonetteDH09	Linear Weighted-Task-Sum – Scheduling Prioritized Tasks on a Single Resource		real-life	1							215	631
MonetteDH09 [449]	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems		real-world	1							216	352
SchuttFSW09	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles		benchmark	0							217	365
SchuttFSW09 [545]	A Constraint Programming Approach for Allocation and Scheduling on the CELL Broadband Engine		benchmark	1							218	370
ThiruvadyBME09	Gap Reduction Techniques for Online Stochastic Project Scheduling			0							219	416
ThiruvadyBME09 [591]	The Steel Mill Slab Design Problem Revisited		CSPLib	0							220	468
Vilim09	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)		real-world, benchmark	0							221	508
Vilim09 [623]	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network			0							222	541
Vilim09a	Heuristics and Constraint Programming Hybridizations for a Real Pipeline Planning and Scheduling Problem		real-world, benchmark	0							223	542
Vilim09a [624]	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production			0							224	560
Wolf09	A Global Constraint for Bin-Packing with Precedences: Application to the Assembly Line Balancing Problem		real-life, benchmark	0							225	573
Wolf09 [647]	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem		real-world, benchmark	1							226	626

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
AkkerDH07 AkkerDH07 [613]	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems			0							227	331
BeldiceanuP07 BeldiceanuP07 [82]	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production			0							228	366
DavenportKRSH07 DavenportKRSH07 [166]	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing			0							229	409
GarganiR07 GarganiR07 [228]	An Efficient Model and Strategy for the Steel Mill Slab Design Problem		real-life, CSPlib	0							230	432
HoeveGSL07 HoeveGSL07 [616]	Optimal Multi-Agent Scheduling with Constraint Programming		benchmark	0							231	472
KeriK07 KeriK07 [346]	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method			2							232	488
KovacsB07 KovacsB07 [358]	A Global Constraint for Total Weighted Completion Time		benchmark	0							233	495
KrogtLPHJ07 KrogtLPHJ07 [615]	Scheduling for Cellular Manufacturing		real-world	0							234	501
Limtanyakul07 Limtanyakul07 [396]	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming		real-life	0							235	515
MonetteDD07 MonetteDD07 [448]	A Position-Based Propagator for the Open-Shop Problem		benchmark	0							236	538
RossiTHP07 RossiTHP07 [531]	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost			0							237	571
Beck06 Beck06 [63]	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling		benchmark	0							238	358
BeniniBGM06 BeniniBGM06 [88]	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs		real-life	0							239	369
GomesHS06 GomesHS06 [257]	Constraint Programming for Distributed Planning and Scheduling		real-life	0							240	450
KhemmoudjPB06 KhemmoudjPB06 [348]	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages		real-world	0							241	489
KovacsV06 KovacsV06 [364]	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP		industrial partner, benchmark, generated instance	0							242	499
LiuJ06 LiuJ06 [401]	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming			0							243	518
QuSN06 QuSN06 [520]	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices			0							244	566
Wallace06 Wallace06 [633]	Hybrid Algorithms in Constraint Programming		benchmark, real-world, Roadev	0							245	623
AbrilSB05 AbrilSB05 [4]	Distributed Constraints for Large-Scale Scheduling Problems			0							246	329
ArtiouchineB05 ArtiouchineB05 [34]	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs		generated instance, random instance	0							247	344
BeckW05 BeckW05 [72]	Proactive Algorithms for Scheduling with Probabilistic Durations			0							248	362

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
CarchraeBF05	Methods to Learn Abstract Scheduling Models			0							249	393
CarchraeBF05 [133]												
ChuX05 ChuX05 [149]	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems			0							250	400
DilkinaDH05	Extending Systematic Local Search for Job Shop Scheduling Problems			0							251	415
DilkinaDH05 [183]												
FortinZDF05	Interval Analysis in Scheduling			0							252	426
FortinZDF05 [219]												
FrankK05	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations		benchmark	0							253	427
FrankK05 [221]												
Geske05 Geske05 [243]	Railway Scheduling with Declarative Constraint Programming		real-life	0							254	442
GodardLN05	Randomized Large Neighborhood Search for Cumulative Scheduling		benchmark	0							255	445
GodardLN05 [247]												
HebrardTW05	Computing Super-Schedules			0							256	462
HebrardTW05 [291]												
Hooker05a	Planning and Scheduling to Minimize Tardiness			0							257	474
Hooker05a [311]												
KovacsEKV05	Proterv-II: An Integrated Production Planning and Scheduling System		real-life	0							258	496
KovacsEKV05 [361]												
MoffittPP05	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints			0							259	537
MoffittPP05 [446]												
QuirogaZH05	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS			0							260	567
QuirogaZH05 [521]												
SchuttWS05	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$		benchmark	0							261	580
SchuttWS05 [552]												
Vilim05 Vilim05 [622]	Computing Explanations for the Unary Resource Constraint		benchmark	4							262	617
Wolf05 Wolf05 [644]	Better Propagation for Non-preemptive Single-Resource Constraint Problems		benchmark	0							263	630
WolfS05 WolfS05 [646]	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application		real-world	0							264	633
WuBB05 WuBB05 [649]	Scheduling with Uncertain Start Dates		benchmark	0							265	635
ArtiguesBF04	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times		benchmark	0							266	342
ArtiguesBF04 [30]												
BeckW04 BeckW04 [71]	Job Shop Scheduling with Probabilistic Durations			0							267	361
HentenryckM04	Scheduling Abstractions for Local Search		benchmark	0							268	467
HentenryckM04 [302]												
Hooker04	A Hybrid Method for Planning and Scheduling		random instance	0							269	473
Hooker04 [309]												
KovacsV04	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling		industrial partner, benchmark, real-life	0							270	498
KovacsV04 [363]												
LimRX04	Solving the Crane Scheduling Problem Using Intelligent Search Schemes		generated instance	0							271	514
LimRX04 [393]												
MaraveliasG04	Using MILP and CP for the Scheduling of Batch Chemical Processes			0							272	533
MaraveliasG04 [430]												
Sadykov04	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem			0							273	572
Sadykov04 [534]												
Vilim04 Vilim04 [621]	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint		benchmark	1							274	616
VilimBC04	Unary Resource Constraint with Optional Activities		benchmark, real-life	0							275	621
VilimBC04 [626]												

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
VillaverdeP04 VillaverdeP04 [629]	An Investigation of Scheduling in Distributed Constraint Logic Programming			0							276	No
WolinskiKG04 WolinskiKG04 [648]	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures			0							277	634
BeckPS03 BeckPS03 [69]	Vehicle Routing and Job Shop Scheduling: What's the Difference?		benchmark, real-world	0							278	360
DannaP03 DannaP03 [163]	Structured vs. Unstructured Large Neighborhood Search: A Case Study on Job-Shop Scheduling Problems with Earliness and Tardiness Costs		benchmark	0							279	407
Kumar03 Kumar03 [371]	Incremental Computation of Resource-Envelopes in Producer-Consumer Models			0							280	503
OddiPCC03 OddiPCC03 [486]	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem		benchmark	0							281	551
ValleMGT03 ValleMGT03 [612]	On Selecting and Scheduling Assembly Plans Using Constraint Programming		real-life	0							282	611
Vilim03 Vilim03 [620]	Computing Explanations for Global Scheduling Constraints			0							283	615
Wolf03 Wolf03 [643]	Pruning while Sweeping over Task Intervals		benchmark	0							284	629
Bartak02 Bartak02 [54]	Visopt ShopFloor: On the Edge of Planning and Scheduling		real-life	0							285	353
Bartak02a Bartak02a [53]	Visopt ShopFloor: Going Beyond Traditional Scheduling		benchmark, real-life	0							286	354
BeldiceanuC02 BeldiceanuC02 [79]	A New Multi-resource cumulatives Constraint with Negative Heights		real-life, random instance, benchmark	0							287	364
ElkhyariGJ02 ElkhyariGJ02 [198]	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems			0							288	420
ElkhyariGJ02a ElkhyariGJ02a [199]	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools		benchmark, real-life	0							289	421
HookerY02 HookerY02 [319]	A Relaxation of the Cumulative Constraint			0							290	476
KamarainenS02 KamarainenS02 [336]	Local Probing Applied to Scheduling		real-world, benchmark	2							291	483
Muscettola02 Muscettola02 [458]	Computing the Envelope for Stepwise-Constant Resource Allocations			0							292	545
Vilim02 Vilim02 [619]	Batch Processing with Sequence Dependent Setup Times			0							293	614
ZhuS02 ZhuS02 [672]	A Meeting Scheduling System Based on Open Constraint Programming			0							294	644
Thorsteinsson01 Thorsteinsson01 [594]	Branch-and-Check: A Hybrid Framework Integrating Mixed Integer Programming and Constraint Logic Programming			0							295	602
VanczaM01 VanczaM01 [617]	A Constraint Engine for Manufacturing Process Planning		real-world, real-life	0							296	612
VerfaillieL01 VerfaillieL01 [618]	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View			0							297	613
AngelsmarkJ00 AngelsmarkJ00 [18]	Some Observations on Durations, Scheduling and Allen's Algebra			0							298	334
FocacciLN00 FocacciLN00 [216]	Solving Scheduling Problems with Setup Times and Alternative Resources		real-world	0							299	424

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
DorndorfPH99 DorndorfPH99 [189]	Recent Developments in Scheduling			0							300	No
KorbaaYG99 KorbaaYG99 [355]	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming			0							301	493
Simonis99 Simonis99 [565]	Building Industrial Applications with Constraint Programming		benchmark, real-world, real-life	0							302	586
CestaOS98 CestaOS98 [145]	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints			0							303	397
FrostD98 FrostD98 [226]	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units			0							304	430
GruianK98 GruianK98 [267]	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming		benchmark	0							305	456
PembertonG98 PembertonG98 [501]	A constraint-based approach to satellite scheduling			0							306	557
RodosekW98 RodosekW98 [525]	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems		benchmark	0							307	570
BaptisteP97 BaptisteP97 [48]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems		benchmark	0							308	351
BeckDF97 BeckDF97 [65]	Five Pitfalls of Empirical Scheduling Research		benchmark, real-world	0							309	359
BoucherBVBL97 BoucherBVBL97 [117]	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem			0							310	No
Caseau97 Caseau97 [138]	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel		benchmark	0							311	394
PapeB97 PapeB97 [498]	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling			0							312	No
BrusoniCLMMT96 BrusoniCLMMT96 [124]	Resource-Based vs. Task-Based Approaches for Scheduling Problems			0							313	389
Colombani96 Colombani96 [158]	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem			0							314	406
Zhou96 Zhou96 [669]	A Constraint Program for Solving the Job-Shop Problem			0							315	642
Goltz95 Goltz95 [255]	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling		benchmark	0							316	449
Puget95 Puget95 [517]	Applications of Constraint Programming		benchmark	0							317	565
Simonis95 Simonis95 [564]	The CHIP System and Its Applications			0							318	584
Simonis95a Simonis95a [563]	Application Development with the CHIP System		real-life, bench- mark	0							319	585
SimonisC95 SimonisC95 [568]	Modelling Producer/Consumer Constraints		real-life	0							320	587
Touraivane95 Touraivane95 [600]	Constraint Programming and Industrial Applications		real-life	0							321	605
JourdanFRD94 JourdanFRD94 [330]	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming			0							322	No
NuijtenA94 NuijtenA94 [482]	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling			0							323	550

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
Wallace94 Wallace94 [631]	Applying Constraints for Scheduling			0							324	No
BaptisteLV92 BaptisteLV92 [51]	Hoist scheduling problem: an approach based on constraint logic programming			0							325	350
ErtlK91 ErtlK91 [201]	Optimal Instruction Scheduling using Constraint Logic Programming		real-world, benchmark	0							326	422
FoxAS82 FoxAS82 [220]	Job-Shop Scheduling: An Investigation in Constraint-Directed Reasoning			0							327	No

3 Journal Articles

3.1 Articles from bibtex

Table 5: Works from bibtex (Total 280)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
ForbesHJST24 ForbesHJST24	M. Forbes, M. Harris, H. Jansen, F.A. van der Schoot, T. Taimre	Combining optimisation and simulation using logic-based Benders decomposition	Yes	[218]	2024	European Journal of Operational Research	15	0	26	1328	1516
PrataAN23 PrataAN23	Bruno A. Prata, Levi R. Abreu, Marcelo S. Nagano	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	Yes	[516]	2024	Results in Control and Optimization	17	0	0	1447	1517
abs-2402-00459 abs-2402-00459	S. Nguyen, Dhananjay R. Thiruvady, Y. Sun, M. Zhang	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	Yes	[473]	2024	CoRR	21	0	0	1515	1518
AbreuNP23 AbreuNP23	Levi Ribeiro de Abreu, Marcelo Seido Nagano, Bruno A. Prata	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	Yes	[169]	2023	International Journal of Production Research	20	1	47	1257	1519
AbreuPNF23 AbreuPNF23	Levi R. Abreu, Bruno A. Prata, Marcelo S. Nagano, Jose M. Framinan	A constraint programming-based iterated greedy algorithm for the open shop with sequence-dependent processing times and makespan minimization	Yes	[3]	2023	Computers Operations Research	12	0	46	1258	1520
Adelgren2023 Adelgren2023	N. Adelgren, Christos T. Maravelias	On the utility of production scheduling formulations including record keeping variables	Yes	[7]	2023	Computers Industrial Engineering	12	0	43	1259	1521
AfsarVPG23 AfsarVPG23	S. Afsar, Camino R. Vela, Juan José Palacios, I. González-Rodríguez	Mathematical models and benchmarking for the fuzzy job shop scheduling problem	Yes	[8]	2023	Computers Industrial Engineering	14	0	50	1260	1522
AkramNHRS23 AkramNHRS23	Bilal Omar Akram, Nor Kamariah Noordin, F. Hashim, Mohd Fadlee A. Rasid, Mustafa Ismael Salman, Abdulrahman M. Abdulghani	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming	Yes	[13]	2023	IEEE Access	16	0	0	1262	1523
AlfieriGPS23 AlfieriGPS23	A. Alfieri, M. Garraffa, E. Pastore, F. Salassa	Permutation flowshop problems minimizing core waiting time and core idle time	Yes	[15]	2023	Computers Industrial Engineering	13	0	37	1263	1524
Caballero23 Caballero23	Jordi Coll Caballero	Scheduling through logic-based tools	Yes	[128]	2023	Constraints An Int. J.	1	0	0	1301	1525
CzerniachowskaWZ23 CzerniachowskaWZ23	K. Czerniachowska, R. Wichniarek, K. Żywicki	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations	Yes	[160]	2023	Advances in Science and Technology Research Journal	14	0	0	1311	1526
FahimiQ23 FahimiQ23	H. Fahimi, C. Quimper	Overload-Checking and Edge-Finding for Robust Cumulative Scheduling	No	[208]	2023	INFORMS Journal on Computing	null	0	16	No	1527
Fatemi-AnarakiTFV23 Fatemi-AnarakiTFV23	S. Fatemi-Anaraki, R. Tavakkoli-Moghaddam, M. Foumani, B. Vahedi-Nouri	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches	Yes	[213]	2023	Omega	15	7	60	1326	1528
GhasemiMH23 GhasemiMH23	S. Ghasemi, R. Tavakkoli-Moghaddam, M. Hamid	Operating room scheduling by emphasising human factors and dynamic decision-making styles: a constraint programming method	No	[244]	2023	International Journal of Systems Science: Operations Logistics	null	0	104	No	1529
GokPTGO23 GokPTGO23	Yagmur S. Gök, S. Padrón, M. Tomasella, D. Guimaran, C. Ozturk	Constraint-based robust planning and scheduling of airport apron operations through simheuristics	Yes	[275]	2023	Annals of Operations Research	36	0	0	1333	1530
GuoZ23 GuoZ23	P. Guo, J. Zhu	Capacity reservation for humanitarian relief: A logic-based Benders decomposition method with subgradient cut	Yes	[272]	2023	European Journal of Operational Research	29	0	112	1340	1531
GurPAE23 GurPAE23	S. Gür, M. Pinarbasi, Haci Mehmet Alakas, T. Eren	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Yes	[273]	2023	Central Eur. J. Oper. Res.	25	1	40	1342	1532
IsikYA23 IsikYA23	Eyüp Ensar Isik, Seyda Topaloglu Yildiz, Özge Satir Akpunar	Constraint programming models for the hybrid flow shop scheduling problem and its extensions	Yes	[325]	2023	Soft Comput.	28	0	127	1365	1533

Table 5: Works from bibtex (Total 280)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
JuvinHL23a JuvinHL23a	C. Juvin, L. Houssin, P. Lopez	Logic-based Benders decomposition for the preemptive flexible job-shop scheduling problem	Yes	[335]	2023	Computers Operations Research	17	0	40	1370	1534
LacknerMMWW23 LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Exact methods for the Oven Scheduling Problem	Yes	[378]	2023	Constraints An Int. J. Algorithms	42	0	32	1386	1535
MontemanniD23 MontemanniD23	R. Montemanni, M. Dell'Amico	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	Yes	[451]	2023	EURO J. Comput. Optim.	13	2	18	1413	1536
MontemanniD23a MontemanniD23a	R. Montemanni, M. Dell'Amico	Constraint programming models for the parallel drone scheduling vehicle routing problem	Yes	[450]	2023	INFORMS Journal on Computing	20	0	14	1414	1537
NaderiRR23 NaderiRR23	B. Naderi, R. Ruiz, V. Roshanaei	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook	Yes	[464]	2023	International Journal of Production Research	27	2	50	1418	1538
NouriMHD23 NouriMHD23	B. Vahedi-Nouri, R. Tavakkoli-Moghaddam, Z. Hanzálek, A. Dolgui	Production scheduling in a reconfigurable manufacturing system benefiting from human-robot collaboration	No	[611]	2023	Computers Operations Research	null	2	44	No	1539
PenzDN23 PenzDN23	L. Penz, S. Dauzère-Pérès, M. Nattaf	Minimizing the sum of completion times on a single machine with health index and flexible maintenance operations	Yes	[502]	2023	Int. J. Electron. Secur. Digit. Forensics	13	0	34	1442	1540
ShaikhK23 ShaikhK23	Aftab Ahmed Shaikh, Abdullah Ayub Khan	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	Yes	[554]	2023	IEEE Access	12	0	0	1463	1541
YuraszeckMCCR23 YuraszeckMCCR23	F. Yuraszeck, E. Montero, D. Canut-de-Bon, N. Cuneo, M. Rojel	A Constraint Programming Formulation of the Multi-Mode Resource-Constrained Project Scheduling Problem for the Flexible Job Shop Scheduling Problem	Yes	[658]	2023	Omega	11	0	0	1493	1542
ZhuSZW23 ZhuSZW23	X. Zhu, J. Son, X. Zhang, J. Wu	Constraint programming and logic-based Benders decomposition for the integrated process planning and scheduling problem	Yes	[673]	2023	CoRR	22	1	36	1502	1543
abs-2305-19888 abs-2305-19888	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek	Constraint Programming and Constructive Heuristics for Parallel Machine Scheduling with Sequence-Dependent Setups and Common Servers	Yes	[300]	2023	CoRR	42	0	0	1512	1544
abs-2306-05747 abs-2306-05747	P. Tassel, M. Gebser, K. Schekotihin	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	Yes	[584]	2023	CoRR	9	0	0	1513	1545
abs-2312-13682 abs-2312-13682	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended	Yes	[504]	2023	CoRR	20	0	0	1514	1546
AbreuN22 AbreuN22	Levi Ribeiro de Abreu, Marcelo Seido Nagano	A new hybridization of adaptive large neighborhood search with constraint programming for open shop scheduling with sequence-dependent setup times	Yes	[168]	2022	Computers Industrial Engineering	20	10	56	1256	1547
BourreauGGLT22 BourreauGGLT22	E. Bourreau, T. Garaix, M. Gondran, P. Lacomme, N. Tchernev	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)	Yes	[119]	2022	International Journal of Production Research	19	4	44	1299	1548
CampeauG22 CampeauG22	L. Campeau, M. Gamache	Short- and medium-term optimization of underground mine planning using constraint programming	Yes	[129]	2022	Constraints An Int. J.	18	0	22	1302	1549
ColT22 ColT22	Giacomo Da Col, Erich C. Teppan	Industrial-size job shop scheduling with constraint programming	Yes	[161]	2022	Operations Research Perspectives	19	3	55	1309	1550
ElciOH22 ElciOH22	Özgün Elçi, John N. Hooker	Stochastic Planning and Scheduling with Logic-Based Benders Decomposition	Yes	[196]	2022	INFORMS Journal on Computing	21	2	34	1316	1551
EmdeZD22 EmdeZD22	S. Emde, S. Zehetabian, Y. Disser	Point-to-point and milk run delivery scheduling: models, complexity results, and algorithms based on Benders decomposition	Yes	[200]	2022	Annals of Operations Research	30	0	52	1317	1552
EtminaniesfahaniGNMS22 EtminaniesfahaniGNMS22	A. Etminaniesfahani, H. Gu, Leila Moslemi Naeni, A. Salehipour	A Forward-Backward Relax-and-Solve Algorithm for the Resource-Constrained Project Scheduling Problem	Yes	[203]	2022	SN Computer Science	10	0	57	1319	1553

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Bedhief21	Bedhief21	Asma Ouled Bedhief	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines	Yes	[74]	2021	Journal Européen des Systèmes Automatisés	7	0	0	1283	1573
CarlierSJP21	CarlierSJP21	J. Carlier, A. Sahli, A. Jouglet, E. Pinson	A faster checker of the energetic reasoning for the cumulative scheduling problem	No	[137]	2021	International Journal of Production Research	null	3	26	No	1574
FanXG21	FanXG21	H. Fan, H. Xiong, M. Goh	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints	Yes	[211]	2021	Computers Operations Research	15	18	57	1324	1575
HamPK21	HamPK21	A. Ham, M. Park, Kyung Min Kim	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming	Yes	[279]	2021	Mathematical Problems in Engineering	12	0	0	1348	1576
HubnerGSV21	HubnerGSV21	F. Hübner, P. Gerhards, C. Stürck, R. Volk	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics	Yes	[322]	2021	Journal of Scheduling	22	0	37	1364	1577
KoehlerBFFHPSSS21	KoehlerBFFHPSSS21	J. Koehler, J. Bürgler, U. Fontana, E. Fux, Florian A. Herzog, M. Pouly, S. Saller, A. Salyaeva, P. Scheiblechner, K. Waelti	Cable tree wiring - benchmarking solvers on a real-world scheduling problem with a variety of precedence constraints	Yes	[352]	2021	Constraints An Int. J.	51	2	52	1375	1578
NaderiRBAU21	NaderiRBAU21	B. Naderi, V. Roshanaei, Mehmet A. Begen, Dionne M. Aleman, David R. Urbach	Increased Surgical Capacity without Additional Resources: Generalized Operating Room Planning and Scheduling	No	[463]	2021	Production and Operations Management	null	22	61	No	1579
PandeyS21a	PandeyS21a	V. Pandey, P. Saini	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization	Yes	[496]	2021	J. Supercomput.	29	3	32	1439	1580
QinWSLS21	QinWSLS21	M. Qin, R. Wang, Z. Shi, L. Liu, L. Shi	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint	Yes	[518]	2021	IEEE Trans Autom. Sci. Eng.	12	12	30	1449	1581
VlkHT21	VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[630]	2021	Computers Industrial Engineering	14	7	22	1485	1582
ZhangYW21	ZhangYW21	L. Zhang, C. Yu, T. N. Wong	A graph-based constraint programming approach for the integrated process planning and scheduling problem	Yes	[666]	2021	Computers Operations Research	10	6	35	1500	1583
abs-2102-08778	abs-2102-08778	Giacomo Da Col, E. Teppan	Large-Scale Benchmarks for the Job Shop Scheduling Problem	Yes	[156]	2021	CoRR	10	0	0	1510	1584
AlizdehS20	AlizdehS20	S. Alizdeh, S. Saeidi	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming	No	[16]	2020	Int. J. Adv. Intell. Paradigms	14	1	0	No	1585
AntunesABD20	AntunesABD20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O’Keeffe, Y. Lin, B. O’Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[20]	2020	Int. J. Artif. Intell. Tools	31	0	16	1264	1586
AstrandJZ20	AstrandJZ20	M. Åstrand, M. Johansson, A. Zanarini	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search	Yes	[38]	2020	Computers Operations Research	13	16	24	1267	1587
BadicaBI20	BadicaBI20	A. Badica, C. Badica, M. Ivanovic	Block structured scheduling using constraint logic programming	Yes	[39]	2020	AI Commun.	17	2	28	1268	1588
BenediktMH20	BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	Yes	[86]	2020	Constraints An Int. J.	19	1	18	1288	1589
CauwelaertDS20	CauwelaertDS20	Sasha Van Cauwelaert, C. Dejemeppe, P. Schaus	An Efficient Filtering Algorithm for the Unary Resource Constraint with Transition Times and Optional Activities	Yes	[143]	2020	Journal of Scheduling	19	2	21	1304	1590

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FallahiAC20 FallahiAC20	Abdellah El Fallahi, El Yaakoubi Anass, M. Cherkaoui	Tabu search and constraint programming-based approach for a real scheduling and routing problem	Yes	[210]	2020	International Journal of Applied Management Science Engineering Optimization	18	0	0	1323	1591
GuoHLW20 GuoHLW20	P. Guo, X. He, Y. Luan, Y. Wang	Logic-based Benders decomposition for gantry crane scheduling with transferring position constraints in a rail-road container terminal	No	[271]	2020	Computers Industrial Engineering	null	8	31	No	1592
HauderBRPA20 HauderBRPA20	Viktoria A. Hauder, A. Beham, S. Raggl, Sophie N. Parragh, M. Affenzeller	Resource-constrained multi-project scheduling with activity and time flexibility	Yes	[287]	2020	Computers Industrial Engineering	14	14	46	1351	1593
LunardiBLRV20 LunardiBLRV20	William T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem	Yes	[417]	2020	Computers Operations Research	20	30	18	1400	1594
MejiaY20 MejiaY20	G. Mejía, F. Yurazcek	A self-tuning variable neighborhood search algorithm and an effective decoding scheme for open shop scheduling problems with travel/setup times	Yes	[435]	2020	European Journal of Operational Research	13	24	45	1405	1595
MengZRZL20 MengZRZL20	L. Meng, C. Zhang, Y. Ren, B. Zhang, C. Lv	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem	Yes	[439]	2020	Computers Industrial Engineering	13	100	62	1408	1596
MokhtarzadehTNF20 MokhtarzadehTNF20	M. Mokhtarzadeh, R. Tavakkoli-Moghaddam, Behdin Vahedi Nouri, A. Farsi	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach	Yes	[447]	2020	Int. J. Comput. Integr. Manuf.	14	25	32	1412	1597
Polo-MejiaALB20 Polo-MejiaALB20	O. Polo-Mejía, C. Artigues, P. Lopez, V. Basini	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility	Yes	[510]	2020	International Journal of Production Research	18	8	23	1445	1598
QinDCS20 QinDCS20	T. Qin, Y. Du, Jiang Hang Chen, M. Sha	Combining mixed integer programming and constraint programming to solve the integrated scheduling problem of container handling operations of a single vessel	Yes	[519]	2020	European Journal of Operational Research	18	27	30	1448	1599
RoshanaeiBAUB20 RoshanaeiBAUB20	V. Roshanaei, Kyle E.C. Booth, Dionne M. Aleman, David R. Urbach, J. Christopher Beck	Branch-and-check methods for multi-level operating room planning and scheduling	Yes	[528]	2020	International Journal of Production Economics	19	24	43	1452	1600
SacramentoSP20 SacramentoSP20	D. Sacramento, C. Solnon, D. Pisinger	Constraint Programming and Local Search Heuristic: a Matheuristic Approach for Routing and Scheduling Feeder Vessels in Multi-terminal Ports	Yes	[533]	2020	Oper. Res. Forum	33	2	38	1455	1601
WallaceY20 WallaceY20	M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem	Yes	[634]	2020	Constraints An Int. J.	19	5	18	1487	1602
ZarandiASC20 ZarandiASC20	Mohammad Hossein Fazel Zarandi, Ali Akbar Sadat Asl, S. Sotudian, O. Castillo	A state of the art review of intelligent scheduling	Yes	[661]	2020	Artif. Intell. Rev.	93	55	445	1495	1603
ZouZ20 ZouZ20	X. Zou, L. Zhang	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic	Yes	[676]	2020	Automation in Construction	10	0	0	1503	1604
ArkipovBL19 ArkipovBL19	D. Arkhipov, O. Battaïa, A. Lazarev	An efficient pseudo-polynomial algorithm for finding a lower bound on the makespan for the Resource Constrained Project Scheduling Problem	Yes	[25]	2019	European Journal of Operational Research	10	12	24	1265	1605
EdwardsBSE19 EdwardsBSE19	Steven J. Edwards, D. Baatar, K. Smith-Miles, Andreas T. Ernst	Symmetry breaking of identical projects in the high-multiplicity RCPSP/max	No	[194]	2019	Journal of the Operational Research Society	null	3	40	No	1606
EscobetPQPRA19 EscobetPQPRA19	T. Escobet, V. Puig, J. Quevedo, P. Palà-Schönwälder, J. Romera, W. Adelman	Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach	Yes	[202]	2019	Computers Chemical Engineering	10	17	18	1318	1607
GurEA19 GurEA19	Şeyda Gür, T. Eren, Hacı Mehmet Alakaş	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study	Yes	[679]	2019	Mathematics	24	0	0	1341	1608
HoundjiSW19 HoundjiSW19	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey	The item dependent stockingcost constraint	Yes	[320]	2019	Constraints An Int. J.	27	0	17	1363	1609

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NattafDYW19 NattafDYW19	M. Nattaf, S. Dauzère-Pérès, C. Yugma, C. Wu	Parallel machine scheduling with time constraints on machine qualifications	Yes	[469]	2019	Computers Operations Research	16	14	21	1422	1610
NattafHKAL19 NattafHKAL19	M. Nattaf, M. Horváth, T. Kis, C. Artigues, P. Lopez	Polyhedral results and valid inequalities for the continuous energy-constrained scheduling problem	Yes	[470]	2019	Discret. Appl. Math.	16	5	12	1423	1611
NishikawaSTT19 NishikawaSTT19	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	A Constraint Programming Approach to Scheduling of Malleable Tasks	Yes	[476]	2019	Int. J. Netw. Comput.	16	0	0	1424	1612
Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[478]	2019	Computers Industrial Engineering	13	30	29	1426	1613
WariZ19 WariZ19	E. Wari, W. Zhu	A Constraint Programming model for food processing industry: a case for an ice cream processing facility	No	[638]	2019	International Journal of Production Research	null	11	42	No	1614
WikarekS19 WikarekS19	J. Wikarek, P. Sitek	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems	Yes	[641]	2019	Vietnam. J. Comput. Sci.	22	0	11	1489	1615
YounespourAKE19 YounespourAKE19	M. Younespour, A. Atighehchian, K. Kianfar, Ehsan Tarkesh Esfahani	Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy	Yes	[652]	2019	Operations research for health care	11	0	0	1491	1616
abs-1901-07914 abs-1901-07914	Jan Kristof Behrens, R. Lange, M. Mansouri	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks	Yes	[77]	2019	CoRR	8	0	0	1506	1617
abs-1902-01193 abs-1902-01193	O. M. Alade, A. O. Amusat	Solving Nurse Scheduling Problem Using Constraint Programming Technique	Yes	[14]	2019	CoRR	9	0	0	1507	1618
abs-1902-09244 abs-1902-09244	Viktoria A. Hauder, A. Beham, S. Raggl, Sophie N. Parragh, M. Affenzeller	On constraint programming for a new flexible project scheduling problem with resource constraints	Yes	[286]	2019	CoRR	62	0	0	1508	1619
abs-1911-04766 abs-1911-04766	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming and Hybrid Methods for Real World Industrial Test Laboratory Scheduling	Yes	[237]	2019	CoRR	16	0	0	1509	1620
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[46]	2018	Discret. Appl. Math.	10	3	13	1272	1621
BorghesiBLMB18 BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[116]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1298	1622
CauwelaertLS18 CauwelaertLS18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[142]	2018	Constraints An Int. J.	36	2	39	1305	1623
FahimiOQ18 FahimiOQ18	H. Fahimi, Y. Ouellet, C. Quimper	Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last	Yes	[207]	2018	Constraints An Int. J.	22	2	20	1321	1624
GedikKEK18 GedikKEK18	R. Gedik, D. Kalathia, G. Egilmez, E. Kirac	A constraint programming approach for solving unrelated parallel machine scheduling problem	Yes	[235]	2018	Computers Industrial Engineering	11	43	22	1331	1625
GokgurHO18 GokgurHO18	B. Gökgür, B. Hnich, S. Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	Yes	[252]	2018	International Journal of Production Research	17	31	43	1334	1626
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[254]	2018	J. Artif. Intell. Res.	32	8	0	1335	1627
GombolayWS18 GombolayWS18	Matthew C. Gombolay, Ronald J. Wilcox, Julie A. Shah	Fast Scheduling of Robot Teams Performing Tasks With Temporospatial Constraints	Yes	[256]	2018	IEEE Transactions on Robotics	20	71	75	1336	1628
Ham18 Ham18	A. Ham	Integrated scheduling of m-truck, m-drone, and m-depot constrained by time-window, drop-pickup, and m-visit using constraint programming	Yes	[277]	2018	Transportation Research Part C: Emerging Technologies	14	0	0	1345	1629
Ham18a Ham18a	A. Ham	Scheduling of Dual Resource Constrained Lithography Production: Using CP and MIP/CP	Yes	[278]	2018	IEEE Transactions on Semiconductor Manufacturing	10	20	21	1346	1630

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KreterSSZ18 KreterSSZ18	S. Kreter, A. Schutt, Peter J. Stuckey, J. Zimmermann	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems	Yes	[368]	2018	European Journal of Operational Research	15	25	31	1381	1631
LaborieRSV18 LaborieRSV18	P. Laborie, J. Rogerie, P. Shaw, P. Vilím	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	Yes	[376]	2018	Constraints An Int. J.	41	148	35	1385	1632
PourDERB18 PourDERB18	Shahrazad M. Pour, John H. Drake, Lena Secher Ejlertsen, Kourosh Marjani Rasmussen, Edmund K. Burke	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem	Yes	[512]	2018	European Journal of Operational Research	12	41	13	1446	1633
ShinBBHO18 ShinBBHO18	Seung Yeob Shin, Y. Brun, H. Balasubramanian, Philip L. Henneman, Leon J. Osterweil	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling	Yes	[557]	2018	IEEE Trans. Syst. Man Cybern. Syst.	16	9	31	1464	1634
TangLWSK18 TangLWSK18	Y. Tang, R. Liu, F. Wang, Q. Sun, Amr A. Kandil	Scheduling Optimization of Linear Schedule with Constraint Programming	Yes	[581]	2018	Comput. Aided Civ. Infrastructure Eng.	28	24	76	1472	1635
TranPZLDB18 TranPZLDB18	Tony T. Tran, M. Padmanabhan, Peter Yun Zhang, H. Li, Douglas G. Down, J. Christopher Beck	Multi-stage resource-aware scheduling for data centers with heterogeneous servers	Yes	[604]	2018	Journal of Scheduling	17	8	26	1480	1636
ZhangW18 ZhangW18	S. Zhang, S. Wang	Flexible Assembly Job-Shop Scheduling With Sequence-Dependent Setup Times and Part Sharing in a Dynamic Environment: Constraint Programming Model, Mixed-Integer Programming Model, and Dispatching Rules	Yes	[667]	2018	IEEE Trans. Engineering Management	18	49	28	1499	1637
GomesM17 GomesM17	Francisco Regis Abreu Gomes, Geraldo Robson Mateus	Improved Combinatorial Benders Decomposition for a Scheduling Problem with Unrelated Parallel Machines	Yes	[258]	2017	Journal of Applied Mathematics	11	1	43	1337	1638
HookerH17 HookerH17	John N. Hooker, Willem-Jan van Hoeve	Constraint programming and operations research	Yes	[318]	2017	Constraints An Int. J.	24	12	189	1361	1639
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[367]	2017	Constraints An Int. J.	31	15	20	1380	1640
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[467]	2017	Constraints An Int. J.	18	5	10	1420	1641
RoshanaeiLAU17 RoshanaeiLAU17	V. Roshanaei, C. Luong, Dionne M. Aleman, D. Urbach	Propagating logic-based Benders' decomposition approaches for distributed operating room scheduling	Yes	[529]	2017	European Journal of Operational Research	17	61	46	1453	1642
RoshanaeiLAU17a RoshanaeiLAU17a	V. Roshanaei, C. Luong, Dionne M. Aleman, David R. Urbach	Collaborative Operating Room Planning and Scheduling	No	[530]	2017	INFORMS Journal on Computing	null	54	42	No	1643
TranVNB17 TranVNB17	Tony T. Tran, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots	Yes	[606]	2017	J. Artif. Intell. Res.	68	12	0	1481	1644
BlomPS16 BlomPS16	Michelle L. Blom, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods	Yes	[100]	2016	Manag. Sci.	26	20	36	1294	1645
Bonfietti16 Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	Yes	[106]	2016	Intelligenza Artificiale	13	0	19	1296	1646
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[121]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1300	1647
CireCH16 CireCH16	Andre A. Ciré, E. Coban, John N. Hooker	Logic-based Benders decomposition for planning and scheduling: a computational analysis	Yes	[151]	2016	The Knowledge Engineering Review	12	15	21	1307	1648
DoulabiRP16 DoulabiRP16	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling	Yes	[191]	2016	INFORMS Journal on Computing	17	56	28	1315	1649
HamC16 HamC16	Andy M. Ham, E. Cakici	Flexible job shop scheduling problem with parallel batch processing machines: MIP and CP approaches	Yes	[280]	2016	Computers Industrial Engineering	6	50	26	1347	1650

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HebrardHJMPV16 HebrardHJMPV16 KuB16 KuB16	E. Hebrard, M. Huguet, N. Jozefowicz, A. Maillard, C. Pralet, G. Verfaillie W. Ku, J. Christopher Beck	Approximation of the parallel machine scheduling problem with additional unit resources Mixed Integer Programming models for job shop scheduling: A computational analysis	Yes	[290]	2016	Discret. Appl. Math.	10	9	8	1352	1651
NattafALR16 NattafALR16	M. Nattaf, C. Artigues, P. Lopez, D. Rivreau	Energetic reasoning and mixed-integer linear programming for scheduling with a continuous resource and linear efficiency functions	Yes	[468]	2016	Computers Operations Research OR Spectr.	34	10	15	1421	1653
NovaraNH16 NovaraNH16	Franco M. Novara, Juan M. Novas, Gabriela P. Henning	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation	Yes	[477]	2016	Computers Chemical Engineering	17	18	31	1425	1654
OrnekO16 OrnekO16	A. Ornek, C. Ozturk	Optimisation and Constraint Based Heuristic Methods for Advanced Planning and Scheduling Systems	Yes	[488]	2016	International Journal of Industrial Engineering: Theory, Applications and Practice	25	0	0	1433	1655
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	Yes	[601]	2016	INFORMS Journal on Computing	13	72	28	1479	1656
ZarandiKS16 ZarandiKS16	M. H. Fazel Zarandi, H. Khorshidian, Mohsen Akbarpour Shirazi	A constraint programming model for the scheduling of JIT cross-docking systems with preemption	Yes	[660]	2016	Journal of Intelligent Manufacturing	17	28	14	1496	1657
BajestaniB15 BajestaniB15	Maliheh Aramon Bajestani, J. Christopher Beck	A two-stage coupled algorithm for an integrated maintenance planning and flowshop scheduling problem with deteriorating machines	Yes	[43]	2015	Journal of Scheduling	16	17	59	1270	1658
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[205]	2015	CoRR	16	0	0	1320	1659
GoelSHFS15 GoelSHFS15	V. Goel, M. Slusky, Willem-Jan van Hoeve, Kevin C. Furman, Y. Shao	Constraint programming for LNG ship scheduling and inventory management	Yes	[250]	2015	European Journal of Operational Research	12	48	4	1332	1660
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	Yes	[261]	2015	INFORMS Journal on Computing	17	12	41	1338	1661
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[338]	2015	Constraints An Int. J.	2	0	0	1371	1662
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[389]	2015	Constraints An Int. J.	52	2	14	1388	1663
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[466]	2015	Constraints An Int. J.	21	14	13	1419	1664
OzturkTHO15 OzturkTHO15	C. Öztürk, S. Tunali, B. Hnich, A. Örnek	Cyclic scheduling of flexible mixed model assembly lines with parallel stations	Yes	[678]	2015	Journal of Manufacturing Systems	12	27	17	1438	1665
SchnellH15 SchnellH15	A. Schnell, Richard F. Hartl	On the efficient modeling and solution of the multi-mode resource-constrained project scheduling problem with generalized precedence relations	Yes	[540]	2015	OR Spectrum	21	24	20	1460	1666
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[558]	2015	Constraints An Int. J.	2	4	0	1465	1667
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[562]	2015	Constraints An Int. J.	23	4	5	1466	1668
WangMD15 WangMD15	T. Wang, N. Meskens, D. Duvivier	Scheduling operating theatres: Mixed integer programming vs. constraint programming	Yes	[637]	2015	European Journal of Operational Research	13	36	33	1488	1669
BlomBPS14 BlomBPS14	Michelle L. Blom, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines	Yes	[99]	2014	INFORMS Journal on Computing	19	15	47	1293	1670
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence	28	8	15	1297	1671
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O’Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[263]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1339	1672

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HarjunkoskiMBC14 HarjunkoskiMBC14	I. Harjunkoski, Christos T. Maravelias, P. Bongers, Pedro M. Castro, S. Engell, Ignacio E. Grossmann, John N. Hooker, C. Méndez, G. Sand, J. Wassick	Scope for industrial applications of production scheduling models and solution methods	Yes	[283]	2014	Computers Chemical Engineering	33	381	176	1350	1673
KameugneFSN14 KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[342]	2014	Constraints An Int. J.	27	6	10	1372	1674
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[481]	2014	Expert Syst. Appl.	14	35	26	1429	1675
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[588]	2014	J. Artif. Intell. Res.	38	12	0	1474	1676
ThiruvadyWGS14 ThiruvadyWGS14	Dhananjay R. Thiruvady, M. Wallace, H. Gu, A. Schutt	A Lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows	Yes	[592]	2014	J. Heuristics	34	19	18	1475	1677
BajestaniB13 BajestaniB13	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources	Yes	[42]	2013	J. Artif. Intell. Res.	36	14	0	1269	1678
BegB13 BegB13	Mirza Omer Beg, Peter van Beek	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures	Yes	[75]	2013	ACM Trans. Embed. Comput. Syst.	23	1	28	1284	1679
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[298]	2013	Constraints An Int. J.	36	7	31	1355	1680
LombardiMB13 LombardiMB13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	Yes	[411]	2013	IEEE Transactions on Computers	14	28	29	1395	1681
MenciaSV13 MenciaSV13	C. Mencia, María R. Sierra, R. Varela	Intensified iterative deepening A* with application to job shop scheduling	Yes	[438]	2013	Journal of Intelligent Manufacturing	11	9	43	1407	1682
OzturkTHO13 OzturkTHO13	C. Öztürk, S. Tunali, B. Hnich, M. Arslan Ornek	Balancing and scheduling of flexible mixed model assembly lines	Yes	[495]	2013	Constraints An Int. J.	36	31	44	1437	1683
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[548]	2013	Journal of Scheduling	17	43	23	1462	1684
GuyonLPR12 GuyonLPR12	O. Guyon, P. Lemaire, Éric Pinson, D. Rivreau	Solving an integrated job-shop problem with human resource constraints	Yes	[274]	2012	Annals of Operations Research	25	32	25	1343	1685
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[296]	2012	Constraints An Int. J.	12	10	9	1356	1686
LimtanyakulS12 LimtanyakulS12	K. Limtanyakul, U. Schwiegelshohn	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Yes	[397]	2012	Constraints An Int. J.	32	4	16	1391	1687
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[409]	2012	Constraints An Int. J.	35	39	68	1393	1688
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[408]	2012	Artificial Intelligence	10	3	13	1394	1689
MalapertCGJLR12 MalapertCGJLR12	A. Malapert, H. Cambazard, C. Guéret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	Yes	[425]	2012	INFORMS Journal on Computing	17	23	21	1401	1690
MenciaSV12 MenciaSV12	C. Mencia, María R. Sierra, R. Varela	Depth-first heuristic search for the job shop scheduling problem	Yes	[437]	2012	Annals of Operations Research	32	16	40	1406	1691
NovasH12 NovasH12	Juan M. Novas, Gabriela P. Henning	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations	Yes	[480]	2012	Computers Chemical Engineering	17	17	15	1428	1692
OzturkTHO12 OzturkTHO12	C. Öztürk, S. Tunali, B. Hnich, M. Örnek	A Constraint Programming Model for Balancing and Scheduling of Flexible Mixed Model Assembly Lines with Parallel Stations	Yes	[677]	2012	IFAC Proceedings Volumes	6	5	5	1436	1693
TerekhovDOB12 TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	Yes	[587]	2012	Computers Industrial Engineering	15	8	48	1473	1694

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ZarandiB12	ZarandiB12	Mohammad M. Fazel-Zarandi, J. Christopher Beck	No	[214]	2012	INFORMS Journal on Computing	null	38	57	No	1695
BandaSC11	BandaSC11	Maria Garcia de la Banda, Peter J. Stuckey, G. Chu	Yes	[171]	2011	INFORMS Journal on Computing	18	24	17	1271	1696
BartakS11	BartakS11	R. Barták, Miguel A. Salido	Yes	[57]	2011	Constraints An Int. J.	5	17	3	1275	1697
BeckFW11	BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Yes	[66]	2011	INFORMS Journal on Computing	14	43	23	1280	1698
BeldiceanuCDP11	BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	Yes	[80]	2011	Annals of Operations Research	24	8	8	1286	1699
BeniniLMR11	BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Yes	[90]	2011	Annals of Operations Research	27	18	16	1289	1700
CobanH11	CobanH11	E. Coban, John N. Hooker	Yes	[154]	2011	Annals of Operations Research	28	14	37	1308	1701
EdisO11a	EdisO11a	Emrah B. Edis, I. Ozkarahan	No	[193]	2011	Engineering Optimization	null	43	37	No	1702
HachemiGR11	HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	Yes	[276]	2011	Annals of Operations Research	16	32	19	1344	1703
HeckmanB11	HeckmanB11	I. Heckman, J. Christopher Beck	Yes	[293]	2011	Journal of Scheduling	20	0	22	1353	1704
KelbelH11	KelbelH11	J. Kelbel, Z. Hanzálek	Yes	[345]	2011	Journal of Intelligent Manufacturing	10	12	14	1373	1705
KovacsB11	KovacsB11	A. Kovács, J. Christopher Beck	Yes	[360]	2011	Constraints An Int. J.	24	4	26	1378	1706
KovacsK11	KovacsK11	A. Kovács, T. Kis	Yes	[362]	2011	Constraints An Int. J.	24	3	24	1379	1707
SchausHMCMD11	SchausHMCMD11	P. Schaus, Pascal Van Hentenryck, J. Monette, C. Coffrin, L. Michel, Y. Deville	Yes	[538]	2011	Constraints An Int. J.	23	14	5	1458	1708
SchuttFSW11	SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Yes	[547]	2011	Constraints An Int. J.	33	57	23	1461	1709
TopalogluO11	TopalogluO11	S. Topaloglu, I. Ozkarahan	Yes	[597]	2011	Computers Operations Research	10	46	24	1477	1710
TrojetHL11	TrojetHL11	M. Trojet, F. H'Mida, P. Lopez	Yes	[609]	2011	Computers Industrial Engineering	7	11	17	1482	1711
BartakCS10	BartakCS10	R. Barták, O. Cepek, P. Surynek	Yes	[56]	2010	Annals of Operations Research	31	2	9	1274	1712
BartakSR10	BartakSR10	R. Barták, Miguel A. Salido, F. Rossi	Yes	[58]	2010	Knowl. Eng. Rev.	31	28	47	1276	1713
ChenGPSH10	ChenGPSH10	Y. Chen, Z. Guan, Y. Peng, X. Shao, M. Hasseeb	Yes	[147]	2010	Frontiers of Mechanical Engineering in China	10	2	32	1306	1714
LombardiM10a	LombardiM10a	M. Lombardi, M. Milano	Yes	[406]	2010	Artificial Intelligence	30	8	24	1392	1715
LombardiMRB10	LombardiMRB10	M. Lombardi, M. Milano, M. Ruggiero, L. Benini	Yes	[412]	2010	Journal of Scheduling	31	24	41	1396	1716
LopesCSM10	LopesCSM10	Tony Minoru Tamura Lopes, André A. Ciré, Cid Carvalho de Souza, Arnaldo Vieira Moura	Yes	[413]	2010	Constraints An Int. J.	39	31	18	1397	1717
NovashH10	NovashH10	Juan M. Novas, Gabriela P. Henning	Yes	[479]	2010	Computers Chemical Engineering	20	48	19	1427	1718

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OzturkTHO10 OzturkTHO10	C. Ozturk, S. Tunali, B. Hnich, Arslan M. Ornek	Simultaneous Balancing and Scheduling of Flexible Mixed Model Assembly Lines with Sequence-Dependent Setup Times	Yes	[494]	2010	Electronic Notes in Discrete Mathematics	8	15	1	1435	1719
ZeballosQH10 ZeballosQH10	L. Zeballos, O. Quiroga, Gabriela P. Henning	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations	Yes	[663]	2010	Eng. Appl. Artif. Intell.	20	33	28	1498	1720
abs-1009-0347 abs-1009-0347	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving the Resource Constrained Project Scheduling Problem with Generalized Precedences by Lazy Clause Generation	Yes	[546]	2010	CoRR	37	0	0	1505	1721
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[94]	2009	Journal of Scheduling	30	58	20	1291	1722
BocewiczBB09 BocewiczBB09	G. Bocewicz, I. Bach, Zbigniew Antoni Banaszak	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling	Yes	[101]	2009	Int. J. Intell. Inf. Database Syst.	19	0	0	1295	1723
CarchraeB09 CarchraeB09	T. Carchrae, J. Christopher Beck	Principles for the Design of Large Neighborhood Search	Yes	[132]	2009	Journal of Mathematical Modelling and Algorithms	26	16	19	1303	1724
GarridoAO09 GarridoAO09	A. Garrido, M. Arangú, E. Onaindia	A constraint programming formulation for planning: from plan scheduling to plan generation	Yes	[229]	2009	Journal of Scheduling	30	5	14	1329	1725
Jans09 Jans09	R. Jans	Solving Lot-Sizing Problems on Parallel Identical Machines Using Symmetry-Breaking Constraints	Yes	[328]	2009	INFORMS Journal on Computing	24	59	73	1368	1726
MilanoW09 MilanoW09	M. Milano, M. Wallace	Integrating Operations Research in Constraint Programming	Yes	[445]	2009	Annals of Operations Research	40	34	46	1411	1727
OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[487]	2009	Constraints An Int. J.	35	127	15	1432	1728
RuggieroBBMA09 RuggieroBBMA09	M. Ruggiero, D. Bertozzi, L. Benini, M. Milano, A. Andrei	Reducing the Abstraction and Optimality Gaps in the Allocation and Scheduling for Variable Voltage/Frequency MPSoC Platforms	Yes	[532]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	9	27	1454	1729
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	Yes	[650]	2009	Computers Operations Research	9	42	5	1490	1730
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[506]	2009	CoRR	12	0	0	1504	1731
GarridoOS08 GarridoOS08	A. Garrido, E. Onaindia, Óscar Sapena	Planning and scheduling in an e-learning environment. A constraint-programming-based approach	Yes	[230]	2008	Eng. Appl. Artif. Intell.	11	22	7	1330	1732
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[359]	2008	Eng. Appl. Artif. Intell.	7	5	14	1377	1733
LiW08 LiW08	H. Li, K. Womer	Scheduling projects with multi-skilled personnel by a hybrid MILP/CP benders decomposition algorithm	Yes	[390]	2008	Journal of Scheduling	18	113	31	1389	1734
LiessM08 LiessM08	O. Liess, P. Michelon	A constraint programming approach for the resource-constrained project scheduling problem	Yes	[392]	2008	Annals of Operations Research	12	22	14	1390	1735
MalikMB08 MalikMB08	Abid M. Malik, J. McInnes, Peter van Beek	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming	Yes	[429]	2008	Int. J. Artif. Intell. Tools	18	15	8	1402	1736
MercierH08 MercierH08	L. Mercier, Pascal Van Hentenryck	Edge Finding for Cumulative Scheduling	Yes	[440]	2008	INFORMS Journal on Computing	21	32	5	1409	1737
Beck07 Beck07	J. Christopher Beck	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling	Yes	[64]	2007	J. Artif. Intell. Res.	29	34	0	1277	1738
BeckW07 BeckW07	J. Christopher Beck, N. Wilson	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations	Yes	[73]	2007	J. Artif. Intell. Res.	50	27	0	1282	1739
CorreaLR07 CorreaLR07	Ayoub Insa Corréa, A. Langevin, L. Rousseau	Scheduling and routing of automated guided vehicles: A hybrid approach	Yes	[159]	2007	Computers Operations Research	20	106	20	1310	1740
Hooker07 Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	Yes	[313]	2007	Operations Research	29	181	19	1360	1741

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Rodriguez07 Rodriguez07	J. Rodriguez	A constraint programming model for real-time train scheduling at junctions	Yes	[527]	2007	Transportation Research Part B: Methodological	15	117	6	1450	1742
Simonis07 Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[566]	2007	Constraints An Int. J.	30	10	17	1467	1743
Hooker06 Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[312]	2006	Constraints An Int. J.	19	19	13	1359	1744
KhayatLR06 KhayatLR06	Ghada El Khayat, A. Langevin, D. Riopel	Integrated production and material handling scheduling using mathematical programming and constraint programming	Yes	[347]	2006	European Journal of Operational Research	15	84	14	1374	1745
MilanoW06 MilanoW06	M. Milano, M. Wallace	Integrating operations research in constraint programming	Yes	[444]	2006	4OR	45	18	46	1410	1746
SadykovW06 SadykovW06	R. Sadykov, Laurence A. Wolsey	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates	Yes	[535]	2006	INFORMS Journal on Computing	9	45	6	1456	1747
SureshMOK06 SureshMOK06	S. Sundaram, V. Mani, S. N. Omkar, H. J. Kim	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach	Yes	[575]	2006	Int. J. Parallel Emergent Distributed Syst.	19	12	23	1471	1748
DemasseAM05 DemasseAM05	S. Demasse, C. Artigues, P. Michelon	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem	Yes	[177]	2005	INFORMS Journal on Computing	18	43	25	1313	1749
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[310]	2005	Constraints An Int. J.	17	68	11	1358	1750
VilimBC05 VilimBC05	P. Vilím, R. Barták, O. Cepek	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities	Yes	[627]	2005	Constraints An Int. J.	23	21	5	1484	1751
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[662]	2005	Inteligencia Artif.	10	0	0	1497	1752
PoderBS04 PoderBS04	E. Poder, N. Beldiceanu, E. Sanlaville	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption	Yes	[508]	2004	European Journal of Operational Research	16	7	8	1443	1753
BeckR03 BeckR03	J. Christopher Beck, P. Refalo	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs	Yes	[70]	2003	Annals of Operations Research	23	29	0	1281	1754
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[317]	2003	Mathematical Programming	28	317	0	1362	1755
KuchcinskiW03 KuchcinskiW03	K. Kuchcinski, C. Wolinski	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming	Yes	[370]	2003	J. Syst. Archit.	15	19	18	1383	1756
Laborie03 Laborie03	P. Laborie	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results	Yes	[373]	2003	Artificial Intelligence	38	128	10	1384	1757
Tsang03 Tsang03	Edward P. K. Tsang	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems	Yes	[610]	2003	Journal of Scheduling	2	1	0	1483	1758
HarjunoskiG02 HarjunoskiG02	I. Harjunoski, Ignacio E. Grossmann	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods	Yes	[282]	2002	Computers Chemical Engineering	20	169	11	1349	1759
LorigeonBB02 LorigeonBB02	T. Lorigeon, J. Billaut, J. Bouquard	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint	Yes	[415]	2002	Journal of the Operational Research Society	8	22	0	1399	1760
MilanoORT02 MilanoORT02	M. Milano, G. Ottosson, P. Refalo, Erlendur S. Thorsteinsson	The Role of Integer Programming Techniques in Constraint Programming's Global Constraints	No	[443]	2002	INFORMS Journal on Computing	null	14	31	No	1761
RodriguezDG02 RodriguezDG02	J. Rodriguez, X. Delorme, X. Gandibleux	Railway infrastructure saturation using constraint programming approach	Yes	[526]	2002	Computers in Railways VIII	10	0	0	1451	1762

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Timpe02 Timpe02	C. Timpe	Solving planning and scheduling problems with combined integer and constraint programming	Yes	[595]	2002	OR Spectr.	18	42	0	1476	1763
JainG01 JainG01	V. Jain, Ignacio E. Grossmann	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems	Yes	[327]	2001	INFORMS Journal on Computing	19	279	23	1366	1764
MartinPY01 MartinPY01	F. Martin, A. Pinkney, X. Yu	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application	Yes	[431]	2001	Annals of Operations Research	17	11	0	1403	1765
Mason01 Mason01	Andrew J. Mason	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling	Yes	[433]	2001	Annals of Operations Research	38	5	0	1404	1766
ArtiguesR00 ArtiguesR00	C. Artigues, F. Roubellat	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes	Yes	[33]	2000	European Journal of Operational Research	20	84	3	1266	1767
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[49]	2000	Constraints An Int. J.	21	46	0	1273	1768
BeckF00 BeckF00	J. Christopher Beck, Mark S. Fox	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics	Yes	[68]	2000	Artificial Intelligence Constraints An Int. J.	51	24	19	1278	1769
HeipckeCCS00 HeipckeCCS00	S. Heipcke, Y. Colombani, Cristina C. B. Cavalcante, Cid C. de Souza	Scheduling under Labour Resource Constraints	Yes	[301]	2000	Eur. J. Control	8	5	0	1357	1770
KorbaaYG00 KorbaaYG00	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming	Yes	[356]	2000	Eur. J. Control	10	7	4	1376	1771
LopezAKYG00 LopezAKYG00	P. Lopez, H. Alla, O. Korbaa, P. Yim, J. Gentina	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina	Yes	[414]	2000	Eur. J. Control	4	0	0	1398	1772
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[536]	2000	Constraints An Int. J.	30	73	0	1457	1773
SchildW00 SchildW00	K. Schild, J. Würtz	Scheduling of Time-Triggered Real-Time Systems	Yes	[539]	2000	Constraints An Int. J.	23	23	0	1459	1774
SimonisCK00 SimonisCK00	H. Simonis, P. Charlier, P. Kay	Constraint Handling in an Integrated Transportation Problem	Yes	[567]	2000	IEEE Intell. Syst.	7	11	5	1468	1775
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[570]	2000	INFORMS Journal on Computing	12	7	14	1469	1776
TorresL00 TorresL00	P. Torres, P. Lopez	On Not-First/Not-Last conditions in disjunctive scheduling	Yes	[598]	2000	European Journal of Operational Research	12	26	13	1478	1777
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	Yes	[91]	1999	Constraints An Int. J.	7	99	0	1290	1778
JainM99 JainM99	A. Jain, S. Meeran	Deterministic job-shop scheduling: Past, present and future	Yes	[326]	1999	European Journal of Operational Research	45	490	150	1367	1779
BeckF98 BeckF98	J. Christopher Beck, Mark S. Fox	A Generic Framework for Constraint-Directed Search and Scheduling	Yes	[67]	1998	AI Mag.	30	0	0	1279	1780
BelhadjiI98 BelhadjiI98	S. Belhadji, A. Isli	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	Yes	[83]	1998	Constraints An Int. J.	9	3	0	1287	1781
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[483]	1998	J. Heuristics	16	42	0	1431	1782
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[499]	1998	Constraints An Int. J.	25	14	0	1440	1783
Darby-DowmanLMZ97 Darby-DowmanLMZ97	K. Darby-Dowman, J. Little, G. Mitra, M. Zaffalon	Constraint Logic Programming and Integer Programming Approaches and Their Collaboration in Solving an Assignment Scheduling Problem	Yes	[164]	1997	Constraints An Int. J.	20	28	5	1312	1784

Table 5: Works from bibtex (Total 280)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
FalaschiGMP97 FalaschiGMP97	M. Falaschi, M. Gabbrielli, K. Marriott, C. Palamidessi	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators	Yes	[209]	1997	Inf. Comput.	27	10	9	1322	1785
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[381]	1997	Artif. Intell. Eng.	15	11	7	1387	1786
Zhou97 Zhou97	J. Zhou	A Permutation-Based Approach for Solving the Job-Shop Problem	Yes	[670]	1997	Constraints An Int. J.	29	14	0	1501	1787
BlazewiczDP96 BlazewiczDP96	J. Błażewicz, W. Domschke, E. Pesch	The job shop scheduling problem: Conventional and new solution techniques	Yes	[126]	1996	European Journal of Operational Research	33	344	127	1292	1788
NuijtenA96 NuijtenA96	W. Nuijten, E. Aarts	A computational study of constraint satisfaction for multiple capacitated job shop scheduling	Yes	[484]	1996	European Journal of Operational Research	16	65	6	1430	1789
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[632]	1996	Constraints An Int. J.	30	87	55	1486	1790
BeldiceanuC94 BeldiceanuC94	N. Beldiceanu, E. Contejean	Introducing Global Constraints in CHIP	Yes	[78]	1994	Mathematical and Computer Modelling	27	167	8	1285	1791
Pape94 Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	Yes	[497]	1994	Intelligent Systems Engineering	34	98	0	1441	1792
AggounB93 AggounB93	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	Yes	[9]	1993	Mathematical and Computer Modelling	17	187	11	1261	1793
Tay92 Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	No	[585]	1992	Comput. J.	null	0	0	No	1794
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[185]	1990	J. Log. Program.	19	86	9	1314	1795

3.2 Extracted Concepts

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
AbohashimaEG21 [2]	14	resource, setup-time, machine, scheduling, order, cmax, transportation	parallel machine	cycle	Python	Gurobi			real-world, generated instance, github		1029	1571
AbreuAPNM21 [167]	21	make-span, open-shop, order, job, resource, machine, preempt, multi-agent, release-date, cmax, tardiness, scheduling, completion-time, setup-time, no-wait, task, job-shop, distributed, precedence, flow-shop	parallel machine, OSSP, single machine, Open Shop Scheduling Problem	noOverlap, cycle	Python, C++	Cplex	automotive, medical, patient	oil industry	benchmark, generated instance, real-world		1030	1572
AbreuN22 [168]	20	make-span, transportation, flow-time, distributed, resource, job-shop, flow-shop, batch process, cmax, preempt, order, tardiness, inventory, scheduling, completion-time, machine, setup-time, job, task, no-wait, open-shop	single machine, Open Shop Scheduling Problem, OSSP	cumulative, noOverlap, cycle	Python	Cplex	medical	chips industry	real-world, benchmark		1005	1547
AbreuNP23 [169]	20	scheduling, order, make-span, completion-time, tardiness, earliness, distributed, job-shop, flow-shop, resource, cmax, machine, job, blocking constraint, setup-time, preempt, transportation, no-wait, open-shop	OSSP, parallel machine, Open Shop Scheduling Problem	noOverlap, Blocking constraint	Python	Cplex, OPL	medical	oil industry	real-world, benchmark	time-tabling	977	1519
AbreuPNF23 [3]	12	job, lazy clause generation, scheduling, distributed, job-shop, due-date, machine, make-span, no-wait, flow-shop, completion-time, setup-time, open-shop, tardiness, order, earliness, preempt, transportation, resource	RCPSP, OSSP, parallel machine, Open Shop Scheduling Problem	noOverlap, cumulative, disjunctive	Python	Cplex, OPL	medical, robot		real-life, benchmark, real-world	NEH	978	1520
Adelgren2023 [7]	12	job-shop, transportation, setup-time, preempt, order, inventory, batch process, distributed, resource, completion-time, scheduling, machine, job, re-scheduling, task, make-span, release-date, sequence dependent setup	parallel machine	disjunctive		Gurobi, Cplex	pipeline, drone, crew-scheduling, aircraft, operating room		generated instance, benchmark, real-life, github, supplementary material		979	1521
AfsarVPG23 [8]	14	transportation, make-span, resource, job, precedence, task, setup-time, job-shop, due-date, machine, activity, flow-shop, completion-time, open-shop, order, scheduling, preempt		disjunctive		Cplex			real-life, supplementary material, benchmark, real-world		980	1522

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
AggounB93 [9]	17	task, job, due-date, job-shop, flow-shop, resource, machine, precedence, order, activity, scheduling		Disjunctive constraint, bin-packing, Among constraint, cumulative, Cardinality constraint, circuit, Arithmetic constraint, disjunctive	Prolog	OPL, CHIP	perfect-square, rectangle-packing		real-world		1251	1793
AkramNHRSA23 [13]	16	resource, completion-time, scheduling, machine, task, preempt, order, distributed		cycle, bin-packing	Python	OR-Tools	medical, agriculture		benchmark	GRASP	981	1523
AlfieriGPS23 [15]	13	flow-shop, job, flow-time, completion-time, Benders Decomposition, precedence, earliness, scheduling, machine, transportation, setup-time, order, tardiness, make-span, distributed, no-wait, job-shop, resource, inventory	single machine, parallel machine		Java	Cplex	surgery, patient		benchmark	NEH	982	1524
AntunesABD20 [20]	31	precedence, earliness, scheduling, transportation, order, distributed, lateness, activity, due-date, re-scheduling, task, Benders Decomposition		bin-packing		Cplex		electricity industry	real-world, industrial partner		1044	1586
ArkhipovBL19 [25]	10	scheduling, machine, job, cmax, task, completion-time, make-span, release-date, precedence, job-shop, preempt, order, lateness, resource	psplib, parallel machine, RCPSP	cycle, Cumulatives constraint, cumulative, disjunctive		Z3			benchmark	sweep, time-tabling	1063	1605
ArtiguesR00 [33]	20	due-date, no preempt, job-shop, transportation, lateness, precedence, make-span, order, job, activity, machine, preempt, release-date, cmax, scheduling, completion-time, re-scheduling, resource, setup-time, earliness	RCMPSP, RCPSP	cycle, disjunctive, cumulative							1225	1767
AstrandJZ20 [38]	13	open-shop, task, precedence, flow-shop, make-span, order, job, activity, scheduling, completion-time, resource, machine, job-shop, re-scheduling, setup-time, due-date	parallel machine	disjunctive, alldifferent, Disjunctive constraint, cycle	C++	Gecode	robot	potash industry, mining industry, mineral industry	benchmark, real-life, real-world		1045	1587
BadicaBI20 [39]	17	manpower, resource, precedence, scheduling, distributed, task, machine, activity, make-span, completion-time, order	psplib	Arithmetic constraint, bin-packing, cycle, Reified constraint	Prolog	Gecode, ECLiPSe			real-world, benchmark		1046	1588

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BajestaniB13 [42]	36	re-scheduling, Benders Decomposition, scheduling, machine, transportation, order, tardiness, make-span, precedence, earliness, job-shop, resource, setup-time, preempt, inventory, due-date, job	single machine, parallel machine	IloPulse, Cardinality constraint, cumulative, IloAlwaysIn, GCC constraint, alwaysIn, circuit		Cplex	railway, aircraft				1136	1678
BajestaniB15 [43]	16	completion-time, Benders Decomposition, scheduling, machine, flow-time, order, tardiness, make-span, precedence, sequence dependent setup, job-shop, resource, activity, setup-time, preempt, due-date, distributed, flow-shop, job	single machine	disjunctive, cumulative, Disjunctive constraint, circuit		Cplex	railway, semiconductor, robot	semiconductor industry	real-world		1116	1658
BandaSC11 [171]	18	precedence, order, scheduling, task				Ilog Solver			benchmark, CSPlib, random instance		1154	1696
BaptisteB18 [46]	10	resource, machine, preempt, lazy clause generation, scheduling, task, manpower, precedence, make-span, order, job	parallel machine, psplib, RCPSP	cumulative, bin-packing		CHIP				time-tabling, edge-finding, edge-finder	1079	1621
BaptisteP00 [49]	21	resource, preempt, cmax, job-shop, scheduling, re-scheduling, due-date, task, precedence, release-date, flow-shop, make-span, order, job, activity	RCPSP	Disjunctive constraint, disjunctive, cumulative	C++	Claire, CHIP, Ilog Scheduler			benchmark	energetic reasoning, edge-finding, edge-finder	1226	1768
BartakCS10 [56]	31	resource, scheduling, job, precedence, task, setup-time, job-shop, machine, activity, flow-shop, order	RCPSP	disjunctive	Prolog	SICStus			real-life, benchmark, real-world		1170	1712
BartakS11 [57]	5	scheduling, task, multi-agent, distributed, resource, order		cumulative		OPL		software industry	random instance, real-world, real-life		1155	1697
BartakSR10 [58]	31	scheduling, preempt, make-span, job, precedence, release-date, distributed, task, job-shop, due-date, machine, activity, flow-shop, temporal constraint reasoning, completion-time, order, cmax, open-shop, tardiness, resource, lateness, multi-agent	TCSP, single machine, Temporal Constraint Satisfaction Problem	Disjunctive constraint, cumulative, disjunctive		CPO, Choco Solver, OPL	robot		real-life, real-world	not-last, edge-finding, sweep, not-first	1171	1713
Beck07 [64]	29	order, scheduling, machine, job-shop, tardiness, activity, flow-shop, precedence, make-span, resource, job		Disjunctive constraint, disjunctive		Ilog Scheduler			benchmark		1196	1738

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BeckF00 [68]	51	transportation, precedence, job-shop, due-date, machine, preempt, activity, inventory, release-date, resource, task, job, order, make-span, scheduling	single machine	ma-	cumulative, disjunctive, Disjunctive constraint, Cardinality constraint		robot		real-world, benchmark	not-last, edge-finding, not-first	1227	1769
BeckF98 [67]	30	precedence, job-shop, due-date, machine, preempt, re-scheduling, multi-agent, activity, distributed, inventory, release-date, resource, task, tardiness, job, order, make-span, scheduling	single machine	ma-	circuit, cumulative, disjunctive	Prolog	robot		real-world, benchmark	edge-finding	1238	1780
BeckFW11 [66]	14	cmax, resource, job-shop, precedence, preempt, order, scheduling, completion-time, machine, job, make-span			disjunctive, table constraint, cumulative	C++	Ilog Scheduler		benchmark, real-world		1156	1698
BeckR03 [70]	23	job-shop, due-date, machine, re-scheduling, completion-time, activity, inventory, earliness, flow-shop, release-date, resource, tardiness, job, order, make-span, scheduling, flow-time, precedence			disjunctive		Ilog Scheduler, Ilog Solver, Cplex	hoist	benchmark	edge-finder	1212	1754
BeckW07 [73]	50	job-shop, machine, preempt, re-scheduling, activity, distributed, flow-shop, no preempt, resource, task, tardiness, job, order, make-span, scheduling, flow-time, precedence	RCPSP, single machine		Balance constraint	con-	Ilog Scheduler	robot	benchmark	edge-finder, edge-finding	1197	1739
Bedhief21 [74]	7	setup-time, preempt, no-wait, scheduling, make-span, completion-time, release-date, no preempt, sequence dependent setup, due-date, flow-shop, transportation, machine, job, order, tardiness	single machine, parallel machine, HFS		noOverlap		OPL, Cplex	robot, medical	real-life		1031	1573
BegB13 [75]	23	scheduling, machine, task, completion-time, re-scheduling, resource, order, distributed	TMS		cycle		pipeline		benchmark		1137	1679
BeldiceanuC94 [78]	27	task, precedence, resource, order, completion-time, scheduling, machine			circuit, Element constraint, Among constraint, Atmost constraint, cumulative, diffn, Arithmetic constraint, alldifferent, cycle, bin-packing	Prolog	OPL, CHIP, CPO, OZ	car manufacturing, pipeline	real-world, real-life, benchmark		1249	1791
BeldiceanuCDP11 [80]	24	cmax, preempt, task, resource, order, scheduling			geost, disjunctive, diffn, cumulative, bin-packing	Prolog	SICStus, CHIP	rectangle-packing, perfect-square	benchmark	sweep, edge-finding, energetic reasoning	1157	1699

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BelhadjiI98 [83]	9	precedence, release-date, order, job, scheduling, resource, machine, preempt, due-date, job-shop, task	JSSP, Temporal Constraint Satisfaction Problem, TCSP	Disjunctive constraint, disjunctive					real-life		1239	1781
BenediktMH20 [86]	19	job, re-scheduling, task, scheduling, machine, preempt, order, job-shop	single machine	endBeforeStart, noOverlap		Gurobi	robot		benchmark, random instance, github, generated instance		1047	1589
BeniniLMR11 [90]	27	resource, Benders Decomposition, task, precedence, make-span, order, activity, machine, preempt, release-date, tardiness, scheduling, re-scheduling	SCC, single machine	table constraint, circuit, cumulative		Ilog Scheduler, Cplex	pipeline		real-world, benchmark, instance generator		1158	1700
BensanaLV99 [91]	7	order		cycle		Ilog Solver, Cplex	satellite, earth observation, robot		benchmark		1236	1778
BidotVLB09 [94]	30	task, job-shop, due-date, machine, activity, inventory, tardiness, order, re-scheduling, make-span, resource, job, precedence, release-date, scheduling, distributed	JSSP	cumulative, disjunctive	C++	Ilog Scheduler, OPL			real-world, real-life	edge-finder, edge-finding	1180	1722
BlazewiczDP96 [126]	33	distributed, due-date, inventory, preempt, make-span, task, job-shop, precedence, setup-time, release-date, resource, flow-shop, no-wait, activity, job, order, completion-time, scheduling, machine, lateness	parallel machine, single machine	disjunctive, cumulative, cycle, Disjunctive constraint		OPL, CHIP	robot		benchmark	energetic reasoning, edge-finding	1246	1788
BlomBPS14 [99]	19	task, distributed, resource, transportation, scheduling, Benders Decomposition, precedence, order		disjunctive		Cplex	offshore	mineral industry	industry partner, benchmark		1128	1670
BlomPS16 [100]	26	re-scheduling, order, scheduling, machine, task, activity, transportation, distributed, resource, precedence, producer/consumer, batch process		disjunctive		Cplex	pipeline, offshore	process industry	industry partner, benchmark		1103	1645
BocewiczBB09 [101]	19	precedence, scheduling, machine, transportation, order, tardiness, distributed, job-shop, resource, multi-agent, job, task, completion-time		cycle			robot			not-last	1181	1723
Bonfietti16 [106]	13	task, distributed, precedence, order, activity, scheduling, resource		disjunctive, cumulative, circuit	C++		pipeline		benchmark		1104	1646

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BonfiettiLBM14 [109]	28	scheduling, order, make-span, precedence, task, buffer-capacity, job, resource, activity, distributed, machine, job-shop	RCPSP	circuit, cumulative, cycle		Ilog Solver	pipeline, hoist, medical, robot		benchmark, real-world, generated instance, industrial instance	time-tabling, sweep	1129	1671
BorghesiBLMB18 [116]	13	job, re-scheduling, distributed, scheduling, order, make-span, resource, activity, task, machine		cumulative, cycle			super-computer		benchmark, real-life		1080	1622
BourreauGGLT22 [119]	19	re-scheduling, scheduling, order, manpower, no-wait, precedence, transportation, job, resource		disjunctive, diffn, Disjunctive constraint, alldifferent, cycle	C++	Cplex, Choco Solver, CHIP	crew-scheduling, nurse	printing industry	real-world, benchmark		1006	1548
BridiBLMB16 [121]	14	make-span, job, scheduling, resource, machine, tardiness, re-scheduling, order, activity, distributed		circuit, cycle, cumulative			medical, super-computer		real-life, real-world		1105	1647
Caballero23 [128]	1	resource, scheduling	RCPSP								983	1525
CampeauG22 [129]	18	task, activity, make-span, completion-time, precedence, order, resource, job, scheduling	RCPSP, RCPSPDC	noOverlap, endBeforeStart, cumulative, alwaysIn, cycle	Python	Cplex		mining industry	real-life, real-world	edge-finding	1007	1549
CarchraeB09 [132]	26	make-span, order, job, machine, tardiness, scheduling, resource, earliness, task, job-shop, precedence		cumulative	C++	Ilog Scheduler, OPL			benchmark, real-world	sweep	1182	1724
CauwelaertDS20 [143]	19	completion-time, job, resource, activity, machine, job-shop, scheduling, order, batch process, sequence dependent setup, make-span, preempt, setup-time, precedence, transportation, task		cycle, Cardinality constraint, disjunctive, cumulative	Java		container terminal, patient		benchmark, real-life, bit-bucket, generated instance	edge-finding, not-last, not-first	1048	1590
CauwelaertLS18 [142]	36	scheduling, order, task, job, resource, activity, machine, job-shop	psplib, RCPSP	table constraint, circuit, alldifferent, bin-packing, disjunctive, cumulative, Reified constraint, GCC constraint	Java, Prolog	OPL, Gecode, CHIP			benchmark, bit-bucket	not-last, not-first, energetic reasoning, edge-finding, time-tabling, sweep	1081	1623
ChenGPSH10 [147]	10	activity, make-span, job, precedence, Benders Decomposition, job-shop, due-date, open-shop, completion-time, order, lateness, producer/consumer, re-scheduling, resource, scheduling, preempt, manpower, task, transportation, machine	JSSP	Disjunctive constraint, cumulative, disjunctive, cycle, diffn	C++	Ilog Scheduler, Ilog Solver		semiprocess industry, chemistry industry, process industry, chemical industry	real-life	not-last, energetic reasoning, time-tabling	1172	1714
CireCH16 [151]	12	tardiness, scheduling, Benders Decomposition, task, order, make-span, resource		cumulative		Cplex					1106	1648

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
CobanH11 [154]	28	completion-time, machine, job, task, release-date, make-span, distributed, resource, tardiness, Benders Decomposition, preempt, due-date, re-scheduling, order, scheduling	single machine	cumulative, circuit, noOverlap		OPL, Cplex			random instance	time-tabling	1159	1701
ColT22 [161]	19	no preempt, due-date, distributed, preempt, scheduling, machine, batch process, open-shop, job-shop, lateness, task, tardiness, order, transportation, flow-shop, completion-time, precedence, make-span, resource, job, setup-time	PMSP, Open Shop Scheduling Problem, FJS, single machine, JSSP, OSSP, parallel machine	alldifferent, cumulative, circuit, noOverlap, Arithmetic constraint, disjunctive	C++, Java	OR-Tools, MiniZinc, CPO, Cplex, OPL	semiconductor oven scheduling, robot		generated instance, supplementary material, github, benchmark, real-life, real-world		1008	1550
CorreaLR07 [159]	20	task, machine, make-span, precedence, Benders Decomposition, order, transportation, release-date, scheduling	parallel machine	disjunctive		Cplex, OPL, Choco Solver, Ilog Solver	container terminal	heavy industry	real-world		1198	1740
CzerniachowskaWZ23 [160]	14	make-span, scheduling, setup-time, transportation, flow-shop, activity, machine, order, completion-time, task, job, resource, job-shop	JSSP, PTC, parallel machine	endBeforeStart, noOverlap		CPO, OPL, Cplex	robot, automotive	manufacturing industry, pharmaceutical industry, automotive industry	benchmark, Roadeff, real-world		984	1526
Darby-DowmanLMZ97 [164]	20	scheduling, order, make-span, resource, machine, task	MGAP, single machine	span constraint, disjunctive, Disjunctive constraint, Element constraint	Prolog	ECLiPSe, Cplex	aircraft, pipeline		real-life, real-world, benchmark		1242	1784
DemasseAM05 [177]	18	precedence, job-shop, preempt, order, resource, activity, scheduling, machine, job, task, completion-time, make-span, release-date	psplib, RCPSP, single machine	cumulative, disjunctive, cycle		Cplex			benchmark	edge-finding, energetic reasoning	1207	1749
DincbasSH90 [185]	19	task, job-shop, distributed, precedence, order, job, machine, scheduling, resource		circuit, Disjunctive constraint, disjunctive	Prolog	CHIP, OPL			real-life		1253	1795
DoulabiRP16 [191]	17	distributed, order, scheduling, resource, machine, transportation	single machine	cycle, bin-packing, Element constraint		Cplex, OPL	medical, patient, nurse, surgery, operating room, steel mill, rectangle-packing, crew-scheduling, robot		real-world, generated instance		1107	1649

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ElciOH22 [196]	21	resource, due-date, order, tardiness, scheduling, Benders Decomposition, job, task, make-span, transportation, machine, distributed	single machine	cumulative, disjunctive	Julia	Cplex	surgery, patient, crew-scheduling, aircraft, operating room		benchmark, random instance, real-life		1009	1551
EmdeZD22 [200]	30	flow-time, distributed, resource, tardiness, inventory, scheduling, Benders Decomposition, completion-time, precedence, batch process, task, open-shop, order, machine, job, no-wait, job-shop, release-date, make-span, transportation	single machine, parallel machine	noOverlap, bin-packing	C	Cplex	automotive, pipeline, drone, semiconductor, yard crane	automotive industry	random instance, github		1010	1552
EscobetPQPRA19 [202]	10	task, release-date, job, resource, activity, distributed, machine, job-shop, scheduling, order, batch process, due-date		circuit, cycle, alternative constraint, noOverlap		OPL, Cplex	energy-price, dairy	dairy industry, food industry, manufacturing industry			1065	1607
EtminaniesfahaniGNMS22	10	job, order, job-shop, preempt, machine, lazy clause generation, earliness, precedence, cmax, open-shop, resource, tardiness, activity, make-span, task, scheduling	RCPSP, psplib, parallel machine		Python	OR-Tools, Cplex	crew-scheduling, aircraft		real-world		1011	1553
EvenSH15a [205]	16	distributed, resource, transportation, machine, Benders Decomposition, order, preempt, scheduling, completion-time, task		cumulative, disjunctive, Disjunctive constraint	Java	Choco Solver, OPL	emergency service		real-world, real-life	sweep	1117	1659
FahimiOQ18 [207]	22	completion-time, batch process, open-shop, order, lateness, preempt, sequence dependent setup, resource, job, precedence, lazy clause generation, scheduling, distributed, task, setup-time, job-shop, due-date, machine, make-span	psplib, RCPSP	AllDiff constraint, cumulative, disjunctive, Disjunctive constraint, alldifferent, Cumulatives constraint		Choco Solver			benchmark, random instance	time-tabling, sweep, edge-finding, not-first, not-last	1082	1624
FalaschiGMP97 [209]	27	order, scheduling		Arithmetic constraint	Prolog						1243	1785
FallahiAC20 [210]	18	order, resource, scheduling, transportation, task		cycle		OR-Tools	nurse, robot, medical, container terminal		github, real-life	sweep	1049	1591
FanXG21 [211]	15	flow-time, tardiness, job, order, batch process, machine, completion-time, distributed, precedence, setup-time, job-shop, due-date, no preempt, preempt, earliness, task, flow-shop, resource, make-span, scheduling	single machine, parallel machine	cycle	Python, Java	Cplex, ECLiPSe, Gurobi	semiconductor	manufacturing industry	benchmark	max-flow	1033	1575

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
FarsiTM22 [212]	14	completion-time, tardiness, earliness, distributed, task, resource, continuous-process, re-scheduling, no-wait, scheduling, Benders Decomposition, make-span		alldifferent, circuit		Cplex	physician, patient, operating room, surgery, robot, medical, nurse		supplementary material	time-tabling	1012	1554
Fatemi-AnarakiTFV23 [213]	15	machine, cmax, resource, no-wait, order, completion-time, scheduling, job, transportation, setup-time, re-scheduling, distributed, job-shop, task, make-span, multi-agent	parallel machine, single machine	bin-packing, circuit, disjunctive, cycle	Python	Cplex, OPL	electroplating, semiconductor, COVID, robot, hoist	food industry	github, real-world, random instance	time-tabling	986	1528
FetgoD22 [215]	32	precedence, cmax, preempt, lazy clause generation, order, scheduling, completion-time, task, make-span, resource	RCPSP, CuSP	cumulative	Java, Python	CHIP, Choco Solver			benchmark, real-world	edge-finder, time-tabling, not-first, not-last, energetic reasoning, edge-finding, sweep	1013	1555
ForbesHJST24 [218]	15	job-shop, order, distributed, resource, Benders Decomposition, scheduling, machine, job, re-scheduling, task, make-span, release-date		cumulative	Python	Gurobi, OPL	emergency service, surgery, patient, operating room		benchmark, real-life, github		974	1516
GarridoAO09 [229]	30	scheduling, resource, task, re-scheduling, precedence, make-span, order		disjunctive	Java	OPL, CPO, Choco Solver			benchmark		1183	1725
GarridoOS08 [230]	11	scheduling, resource, task, make-span, order, activity, machine			Java, C	CPO, Choco Solver			real-world		1190	1732
GedikKEK18 [235]	11	resource, job, scheduling, task, machine, make-span, completion-time, cmax, setup-time, due-date, tardiness, order, preempt, sequence dependent setup, transportation	single machine, parallel machine, PMSP	noOverlap, cumulative		Cplex	nurse, medical	manufacturing industry	benchmark		1083	1625
GoelSHFS15 [250]	12	precedence, inventory, setup-time, activity, order, resource, scheduling, task, transportation, machine		noOverlap, alwaysEqual constraint, alwaysIn, cumulative, disjunctive		OPL, Cplex, CPO	pipeline	gas industry, transportation industry			1118	1660
GokPTGO23 [275]	36	precedence, order, make-span, completion-time, tardiness, activity, distributed, task, resource, multi-agent, machine, job, re-scheduling, inventory, job-shop, setup-time, transportation, scheduling	RCPSP	cumulative, cycle, circuit, alldifferent, disjunctive		OPL	offshore, aircraft	airline industry	github, real-world		988	1530

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GokgurHO18 [252]	17	task, setup-time, job-shop, due-date, machine, activity, flow-shop, completion-time, order, cmax, tardiness, resource, earliness, scheduling, preempt, transportation, make-span, job, precedence, release-date	parallel machine, single machine	alternative constraint, cumulative, disjunctive, Channeling constraint, Disjunctive constraint		OPL, CHIP	robot, semiconductor		real-world, real-life	edge-finding, energetic reasoning, not-first, not-last	1084	1626
GoldwaserS18 [254]	32	scheduling, machine, transportation, order, resource, due-date, flow-shop, task, lazy clause generation, Benders Decomposition		cumulative	Python	Gurobi, CHIP, Gecode, Chuffed	torpedo	steel industry	github, generated instance, instance generator, benchmark	sweep, time-tabling	1085	1627
GombolayWS18 [256]	20	machine, job, re-scheduling, open-shop, task, make-span, precedence, job-shop, setup-time, multi-agent, preempt, order, distributed, flow-shop, resource, completion-time, Benders Decomposition, scheduling	OSP	cumulative, disjunctive	Java	Gurobi, OPL	aircraft, robot, crew-scheduling, patient		real-world, instance generator, benchmark	edge-finding	1086	1628
GomesM17 [258]	11	distributed, resource, release-date, due-date, order, tardiness, inventory, scheduling, Benders Decomposition, completion-time, setup-time, job, make-span, transportation, machine	parallel machine, PMSP, single machine	cycle	C++	Cplex					1096	1638
GrimesH15 [261]	17	cmax, machine, job, lateness, job-shop, setup-time, preempt, flow-shop, no-wait, open-shop, scheduling, precedence, order, make-span, completion-time, tardiness, release-date, earliness, sequence dependent setup, distributed, task, due-date, batch process, resource	OSP, Open Shop Scheduling Problem, JSSP	noOverlap, Balance constraint, disjunctive, IloNoOverlap, endBeforeStart, Disjunctive constraint, cumulative		Choco Solver, Ilog Scheduler, Mistral, CPO	semiconductor	semiconductor industry	real-world, benchmark	not-first, not-last, time-tabling, edge-finding	1119	1661
GrimesIOS14 [263]	16	completion-time, resource, machine, preempt, re-scheduling, due-date, task, distributed, order, activity, scheduling		disjunctive		CHIP, Cplex	energy-price, real-time pricing, HVAC		real-world, real-life		1130	1672
GuoZ23 [272]	29	activity, order, sequence dependent setup, make-span, resource, job, transportation, setup-time, Benders Decomposition, distributed, scheduling, inventory, machine, job-shop, task	parallel machine	bin-packing, cycle, Balance constraint	Python	SCIP, Cplex, OPL, Gurobi	patient, railway, vaccine, COVID, automotive, drone, medical, physician, operating room	automotive industry, garment industry	real-world, supplementary material, github, benchmark		989	1531

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GurEA19 [679]	24	order, resource, scheduling, re-scheduling, completion-time, distributed, job-shop, job				Cplex	patient, medical, surgery, operating room	service industry	real-life		1066	1608
GurPAE23 [273]	25	re-scheduling, order, scheduling, machine, distributed, resource, inventory		cumulative		OPL, Cplex	physician, surgery, patient, nurse, operating room, COVID		real-life		990	1532
GuyonLPR12 [274]	25	precedence, Benders Decomposition, order, cmax, resource, release-date, scheduling, preempt, manpower, task, job-shop, machine, activity, make-span, flow-shop, job, completion-time	parallel machine, single machine	disjunctive, cycle		Cplex	satellite		generated instance, benchmark, instance generator	time-tabling, energetic reasoning	1143	1685
HachemiGR11 [276]	16	precedence, make-span, scheduling, resource, Benders Decomposition, task, job-shop, transportation, order, job, activity		alldifferent, GCC constraint, cycle, Cardinality constraint		OPL, Ilog Scheduler, Cplex	forestry, crew-scheduling	food industry, airline industry, forest industry			1161	1703
Ham18 [277]	14	cmax, precedence, scheduling, make-span, machine, inventory, transportation, distributed, task, batch process, completion-time, resource, job-shop, job, sequence dependent setup, due-date, order	parallel machine	endBeforeStart, cycle, cumulative, noOverlap, disjunctive		Cplex, OPL	drone, semiconductor, robot, aircraft	taxi industry			1087	1629
Ham18a [278]	10	scheduling, inventory, machine, batch process, cmax, job-shop, task, order, completion-time, make-span, tardiness, resource, job, setup-time, due-date	parallel machine	circuit, cycle, noOverlap, alternative constraint, disjunctive		CPO, Cplex, OPL	drone, semiconductor, robot		real-world		1088	1630
HamC16 [280]	6	scheduling, machine, batch process, cmax, job-shop, task, order, completion-time, sequence dependent setup, precedence, make-span, resource, job, transportation, setup-time	FJS	alwaysEqual constraint, cycle, endBeforeStart		Cplex, OPL	semiconductor	pharmaceutical industry	benchmark		1108	1650
HamPK21 [279]	12	flow-shop, resource, make-span, scheduling, sequence dependent setup, tardiness, order, machine, completion-time, distributed, precedence, cmax, setup-time, job-shop, re-scheduling, task, job	single machine, parallel machine, FJS	noOverlap, cycle, endBeforeStart		OPL, Cplex	robot, semiconductor, agriculture		github, benchmark		1034	1576
HarjunkoskiG02 [282]	20	job, due-date, scheduling, order, resource, setup-time, activity, task, machine, release-date, flow-shop, job-shop		cumulative		ECLiPSe, Ilog Scheduler, CHIP, Ilog Solver, Cplex, OPL					1217	1759

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HarjunkoskiMBC14 [283]	33	distributed, make to stock, machine, re-scheduling, Benders Decomposition, precedence, earliness, order, job-shop, lateness, resource, task, release-date, activity, setup-time, inventory, due-date, job, continuous-process, batch process, scheduling, transportation, manpower, make-span, tardiness	single machine	circuit, cycle, disjunctive		CHIP, Gurobi, Cplex, Gecode, SCIP, OPL, ECLiPSe	semiconductor, dairy, automotive, pipeline	dairy industry, petrochemical industry, oil industry, chemical industry, paper industry, process industry, pharmaceutical industry	real-life, benchmark, real-world		1131	1673
HauderBRPA20 [287]	14	setup-time, order, tardiness, make-span, no-wait, job-shop, resource, activity, inventory, due-date, scheduling, flow-shop, job, task, completion-time, precedence, earliness, machine, transportation, manpower	RCPSP, RCMPSP, FJS	cumulative, cycle		OPL, Cplex	aircraft	automobile industry, food-processing industry, steel industry, processing industry	real-world, industry partner, benchmark, supplementary material		1051	1593
HebrardHJMPV16 [290]	10	cmax, scheduling, order, make-span, completion-time, resource, task, distributed, machine, job	parallel machine	cumulative			satellite, earth observation		industrial partner		1109	1651
HeckmanB11 [293]	20	tardiness, order, resource, job, scheduling, job-shop, machine, activity, make-span, flow-shop, precedence		disjunctive, Completion constraint		Ilog Scheduler			real-world, benchmark	edge-finding, edge-finder	1162	1704
HeinzNVH22 [299]	16	re-scheduling, resource, scheduling, preempt, sequence dependent setup, task, machine, activity, make-span, job, precedence, distributed, setup-time, flow-shop, completion-time, order	parallel machine	cumulative, noOverlap, alternative constraint		Gurobi	robot, crew-scheduling		real-world, generated instance, benchmark, gitlab		1014	1556
HeinzSB13 [298]	36	preempt, scheduling, precedence, order, completion-time, release-date, due-date, resource, machine, job	single machine, psplib, RCPSP	disjunctive, cumulative		MiniZinc, SCIP, Cplex	satellite		benchmark	edge-finding, time-tabling	1138	1680
HeinzSSW12 [296]	12	inventory, order, task		bin-packing		Cplex	steel mill	steel industry, process industry	real-world, CSPLib		1144	1686
HeipckeCCS00 [301]	8	resource, activity, completion-time, due-date, scheduling, machine, job, task, make-span, release-date, precedence, job-shop, preempt, order	single machine, RCPSP	disjunctive, cumulative, Disjunctive constraint					benchmark, instance generator		1228	1770

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Hooker05 [310]	17	machine, job, task, release-date, make-span, distributed, resource, precedence, due-date, order, tardiness, scheduling, Benders Decomposition		disjunctive, cumulative, circuit		OPL, Ilog Scheduler, Cplex			random instance	edge-finding	1208	1750
Hooker06 [312]	19	machine, job, task, release-date, make-span, resource, precedence, due-date, order, tardiness, scheduling, Benders Decomposition		disjunctive, cumulative, circuit		OPL, Ilog Scheduler, Cplex			random instance		1202	1744
Hooker07 [313]	29	machine, job, task, activity, release-date, make-span, distributed, resource, precedence, due-date, order, tardiness, inventory, scheduling, Benders Decomposition		disjunctive, cumulative, circuit		OPL, Ilog Scheduler, Cplex			random instance, generated instance	edge-finding	1199	1741
HookerH17 [318]	24	scheduling, task, multi-agent, machine, job, sequence dependent setup, job-shop, preempt, flow-shop, resource, transportation, open-shop, Benders Decomposition, order, tardiness, activity, setup-time, release-date	Open Shop Scheduling Problem, parallel machine, RCPSP	bin-packing, regular expression, Regular constraint, Among constraint, circuit, cumulative, alldifferent, Cardinality constraint, disjunctive		CHIP, SCIP, ECLiPSe, OPL, MiniZinc, Ilog Solver	aircraft, crew-scheduling, operating room, radiation therapy, nurse, physician		real-world, real-life	time-tabling, edge-finding, bi-partite matching, energetic reasoning, not-first, not-last	1097	1639
HookerO03 [317]	28	scheduling, task, machine, job, due-date, resource, Benders Decomposition, order, release-date		circuit, cumulative, disjunctive		Ilog Scheduler, OPL, Cplex			generated instance		1213	1755
HoundjiSW19 [320]	27	scheduling, resource, BOM, due-date, task, transportation, order, inventory, machine	single machine	alldifferent, GCC constraint, circuit, Cardinality constraint, cumulative					random instance, bit-bucket, benchmark	sweep, max-flow	1067	1609
HubnerGSV21 [322]	22	completion-time, resource, due-date, no-wait, task, transportation, precedence, order, job, inventory, activity, machine, preempt, cmax, tardiness, make-span, scheduling	RCPSPDC, RCPSP	cycle, cumulative, alternative constraint, endBeforeStart	C	Gurobi, Cplex, OPL	automotive	dismantling industry	benchmark, real-life		1035	1577
IsikYA23 [325]	28	tardiness, scheduling, completion-time, flow-shop, batch process, setup-time, due-date, task, no-wait, order, make-span, machine, job, distributed, resource, job-shop, release-date, blocking constraint, transportation, precedence, earliness, cmax, sequence dependent setup, preempt	HFS, single machine, parallel machine	circuit, noOverlap, endBeforeStart, Calendar constraint, Blocking constraint, cumulative		OPL, Cplex	medical, robot	steel industry	benchmark, real-life, generated instance	energetic reasoning, NEH, GRASP	991	1533

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
JainG01 [327]	19	job-shop, Benders Decomposition, task, job, order, release-date, resource, scheduling, due-date, machine, activity	single machine, parallel machine	cumulative, disjunctive	Prolog	Ilog Scheduler, Ilog Solver, ECLiPSe, CHIP, OPL, Cplex	crew-scheduling				1222	1764
JainM99 [326]	45	flow-shop, preempt, task, job, open-shop, order, release-date, resource, make-span, scheduling, precedence, cmax, tardiness, due-date, machine, re-scheduling, completion-time, distributed, inventory, lateness, job-shop	single machine	disjunctive, cycle		OPL	robot, semiconductor		benchmark, real-world, real-life	edge-finder, GRASP	1237	1779
Jans09 [328]	24	multi-agent, distributed, inventory, machine, order, scheduling, sequence dependent setup, resource, job, setup-time	single machine, parallel machine			Cplex	offshore	tire industry, fashion industry, process industry, foundry industry	benchmark		1184	1726
JuvinHL22 [333]	32	Benders Decomposition, precedence, order, activity, setup-time, release-date, scheduling, make-span, completion-time, task, cmax, machine, job, re-scheduling, distributed, job-shop, preempt, flow-shop, resource	FJS, parallel machine, single machine, JSSP	disjunctive, Disjunctive constraint, noOverlap, endBeforeStart, circuit, cumulative		Cplex, CPO			benchmark		1016	1558
JuvinHL23a [335]	17	task, job-shop, machine, activity, make-span, flow-shop, precedence, Benders Decomposition, setup-time, order, preempt, re-scheduling, resource, job, release-date, scheduling, distributed	FJS, JSSP, parallel machine, single machine	noOverlap, endBeforeStart, bin-packing, cumulative, circuit, disjunctive, Disjunctive constraint		Cplex, CPO	vaccine, COVID, drone, operating room		benchmark		992	1534
Kameugne15 [338]	2	resource, scheduling, task, completion-time, preempt		cumulative						not-last, edge-finding, not-first	1120	1662
KameugneFSN14 [342]	27	completion-time, job-shop, release-date, resource, job, order, scheduling, precedence, preempt, make-span, task	RCPSP, psplib, CuSP	cumulative, disjunctive		CHIP, Gecode			benchmark, random instance	edge-finding, energetic reasoning, not-last, not-first, edge-finder, time-tabling	1132	1674
KelbelH11 [345]	10	inventory, due-date, job-shop, preempt, resource, precedence, order, completion-time, tardiness, release-date, earliness, scheduling, make-span, distributed, task, machine, job	JSSP	cumulative, disjunctive		OPL, Cplex, Ilog Solver			generated instance, benchmark, random instance	edge-finder, edge-finding	1163	1705

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KhayatLR06 [347]	15	job-shop, due-date, order, cmax, resource, scheduling, preempt, task, machine, activity, make-span, job, precedence, setup-time				OPL, Cplex			real-life, bench- mark		1203	1745
KoehlerBFFHPSSS21 [352]	51	flow-shop, scheduling, job, make-span, tardiness, resource, precedence, job-shop, order, lateness, task, machine, flow-time	CTW, single machine	Channeling constraint, cycle, disjunctive, alldifferent, Disjunctive constraint, circuit, cumulative	C , Python	MiniZinc, OR-Tools, Chuffed, Z3, OPL, Cplex, Gurobi	cable tree, automotive, robot		real-world, benchmark, github		1036	1578
KorbaaYG00 [356]	10										1229	1771
KovacsB08 [359]	7	order, tardiness, activity, preempt, release-date, scheduling, completion-time, job, resource, machine	single machine	disjunctive, Completion constraint, Disjunctive constraint, bin-packing, cumulative, Cardinality constraint, cycle, Regular constraint		Ilog Solver, Ilog Scheduler	aircraft		benchmark	sweep	1191	1733
KovacsB11 [360]	24	precedence, order, tardiness, activity, preempt, release-date, earliness, scheduling, make-span, completion-time, flow-time, job, distributed, due-date, job-shop, flow-shop, resource, machine	parallel machine, single machine	disjunctive, Completion constraint, Disjunctive constraint, cumulative, Cardinality constraint, cycle, Regular constraint, Channeling constraint	C++	Ilog Solver, Ilog Scheduler			benchmark	edge-finding	1164	1706
KovacsK11 [362]	24	order, tardiness, release-date, earliness, scheduling, completion-time, task, job, sequence dependent setup, due-date, job-shop, flow-shop, resource, transportation, machine, Benders Decomposition	single machine	Reified constraint, cycle	C++	Ilog Solver, Gecode, Cplex					1165	1707
KreterSS17 [367]	31	order, preempt, resource, lazy clause generation, scheduling, task, machine, activity, make-span, completion-time, precedence	RCPSP, parallel machine	IloPulse, alwaysIn, cumulative, diffn, IloForbidEnd, Pulse constraint, cycle, IloAlwaysIn, Element constraint, Reified constraint, Calendar constraint		CPO, Cplex, MiniZinc, CHIP, Chuffed			benchmark	edge-finding	1098	1640

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KreterSSZ18 [368]	15	task, order, activity, machine, precedence, release-date, lazy clause generation, tardiness, scheduling, completion-time, resource, preempt	RCPSP, psplib	cumulative, Element constraint, Calendar constraint		Cplex, Chuffed, MiniZinc			benchmark	GRASP	1089	1631
KuB16 [369]	9	tardiness, earliness, completion-time, job-shop, job, order, precedence, scheduling, make-span, machine		Disjunctive constraint, disjunctive		Ilog Scheduler, Gurobi, Cplex, SCIP			benchmark		1110	1652
KuchcinskiW03 [370]	15	scheduling, distributed, precedence, resource, order		cycle, Diff2 constraint, circuit	Java		pipeline		benchmark		1214	1756
Laborie03 [373]	38	task, cmax, machine, job, re-scheduling, inventory, job-shop, preempt, resource, precedence, order, activity, setup-time, release-date, scheduling, make-span		cycle, Balance constraint, cumulative, disjunctive, table constraint, Disjunctive constraint	C++	Ilog Scheduler			benchmark	time-tabling, edge-finding, energetic reasoning, not-first, not-last edge-finding	1215	1757
LaborieRSV18 [376]	41	Benders Decomposition, release-date, precedence, earliness, sequence dependent setup, scheduling, machine, transportation, manpower, setup-time, order, tardiness, make-span, distributed, job-shop, resource, activity, inventory, due-date, batch process, flow-shop, job, re-scheduling, task	psplib, parallel machine, RCPSP	endBeforeStart, noOverlap, AlwaysConstant, Disjunctive constraint, alwaysEqual constraint, alternative constraint, cumulative, Arithmetic constraint, disjunctive, span constraint, Calendar constraint, cycle, alwaysIn, Reified constraint	Python, C++, C, Java	Ilog Scheduler, OPL, CHIP, Gecode, Ilog Solver, Cplex, CPO, Choco Solver	semiconductor robot, pipeline, shipping line, railway, satellite, container terminal, aircraft	petro-chemical industry, chemical industry	real-world, CSPLib, benchmark		1090	1632
LacknerMMWW23 [378]	42	release-date, job, order, tardiness, scheduling, machine, lateness, earliness, batch process, setup-time, due-date, make-span, task, job-shop	OSP, single machine, parallel machine	disjunctive, alternative constraint, cumulative, endBeforeStart, bin-packing, noOverlap, Element constraint		Chuffed, Cplex, OPL, CPO, MiniZinc, Gurobi, OR-Tools	semiconductor oven scheduling	manufacturing industry, electronics industry, steel industry	benchmark, instance generator, zenodo, real-life, random instance, industrial partner	GRASP, time-tabling	993	1535
LammaMM97 [381]	15	job-shop, resource, job, no-wait, scheduling, precedence, order, task, distributed		circuit, disjunctive, Disjunctive constraint	Prolog, C++	ECLiPSe, OPL, CHIP	railway		real-life		1244	1786
LetortCB15 [389]	52	machine, make-span, job, precedence, order, resource, scheduling, task	psplib	Cumulatives constraint, cumulative, cycle, bin-packing	Java, Prolog	Choco Solver, CHIP, SICStus			generated instance, Roadef, benchmark, random instance	energetic reasoning, sweep, edge-finding	1121	1663

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LiW08 [390]	18	precedence, activity, setup-time, scheduling, make-span, machine, preempt, no preempt, task, completion-time, resource, job-shop, job, re-scheduling, open-shop, Benders Decomposition, due-date, order	RCPSP	disjunctive, bin-packing, cycle		Ilog Solver, Cplex, ECLiPSe, CHIP, OPL			real-world		1192	1734
LiessM08 [392]	12	machine, job, activity, job-shop, make-span, cmax, preempt, resource, scheduling, precedence, task, order	RCPSP, psplib	cumulative, disjunctive	C++				benchmark	edge-finding	1193	1735
LimtanyakulS12 [397]	32	precedence, release-date, completion-time, job, resource, activity, tardiness, machine, scheduling, order, Benders Decomposition, due-date		table constraint, Cardinality constraint, bin-packing, cumulative, disjunctive		Ilog Scheduler, Cplex	robot, automotive	automotive industry	real-life, generated instance, industrial partner, benchmark, random instance	not-last, energetic reasoning, not-first, edge-finding	1145	1687
LombardiM10a [406]	30	due-date, distributed, job, re-scheduling, task, completion-time, Benders Decomposition, precedence, scheduling, machine, order, make-span, release-date, resource, activity, preempt	TCSP	Disjunctive constraint, cycle, span constraint, cumulative, disjunctive, table constraint	C	Cplex			benchmark, real-life, real-world	sweep	1173	1715
LombardiM12 [409]	35	precedence, flow-shop, make-span, sequence dependent setup, order, job, activity, scheduling, resource, machine, preempt, lazy clause generation, tardiness, job-shop, transportation, completion-time, re-scheduling, setup-time, earliness, Benders Decomposition, due-date, task, inventory, distributed, manpower	parallel machine, RCPSP, psplib	circuit, Disjunctive constraint, cycle, disjunctive, cumulative		OR-Tools	aircraft	chemical industry	real-world, benchmark	energetic reasoning, edge-finding	1146	1688
LombardiM12a [408]	10	completion-time, precedence, scheduling, order, make-span, resource, activity, producer/consumer	psplib, RCPSP	disjunctive		Ilog Solver			benchmark		1147	1689
LombardiMB13 [411]	14	distributed, cmax, re-scheduling, task, completion-time, precedence, scheduling, order, make-span, resource, activity, preempt	SCC, RCPSP	cycle, cumulative, circuit		OR-Tools, Gecode, Ilog Solver	pipeline, medical		benchmark, real-world		1139	1681
LombardiMRB10 [412]	31	preempt, make-span, task, precedence, resource, activity, re-scheduling, Benders Decomposition, completion-time, tardiness, producer/consumer, scheduling, release-date, order, distributed, no preempt	SCC	circuit, disjunctive, table constraint, cumulative, Disjunctive constraint, cycle, bin-packing	C	ECLiPSe, Cplex	semiconductor pipeline	semiconductor industry	real-world, real-life, benchmark		1174	1716

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LopesCSM10 [413]	39	distributed, stock level, inventory, job-shop, due-date, activity, order, re-scheduling, resource, scheduling, task, transportation, make-span, job, precedence		disjunctive, table constraint, cycle, alldifferent	C++	Ilog Scheduler, Ilog Solver, OPL	pipeline	oil industry	benchmark, real-world	max-flow	1175	1717
LopezAKYG00 [414]	4										1230	1772
LorigeonBB02 [415]	8	resource, activity, setup-time, preempt, flow-shop, job, cmax, open-shop, completion-time, scheduling, machine, order, make-span	parallel machine, Open Shop Scheduling Problem			Cplex, OPL					1218	1760
LunardiBLRV20 [417]	20	make-span, completion-time, job-shop, resource, flow-shop, activity, re-scheduling, job, order, tardiness, scheduling, due-date, machine, precedence, setup-time, preempt	FJS	endBeforeStart, noOverlap	Python	Cplex		printing industry, glass industry	benchmark, random instance, generated instance, github		1052	1594
MalapertCGJLR12 [425]	17	transportation, flow-shop, order, make-span, scheduling, cmax, open-shop, resource, preempt, precedence, completion-time, task, job, job-shop, activity, machine	Open Shop Scheduling Problem, OSP	disjunctive, cycle, Disjunctive constraint, cumulative	Java	Choco Solver			benchmark	not-first, not-last, edge-finding	1148	1690
MalikMB08 [429]	18	distributed, resource, machine, precedence, order, scheduling		Cardinality constraint, cycle circuit			pipeline		benchmark	edge-finding	1194	1736
MartinPY01 [431]	17	scheduling, task, machine, order, transportation, re-scheduling, resource			Prolog	ECLiPSe, Ilog Solver	railway, aircraft	sugar industry	real-life		1223	1765
Mason01 [433]	38	scheduling, order, activity, transportation, task				OPL, Cplex	railway, crew-scheduling, nurse	airline industry			1224	1766
MejiaY20 [435]	13	resource, job-shop, cmax, sequence dependent setup, preempt, due-date, re-scheduling, order, tardiness, scheduling, completion-time, machine, setup-time, job, no-wait, open-shop, release-date, make-span, transportation, multi-agent, distributed	Open Shop Scheduling Problem, OSSP, parallel machine	Disjunctive constraint, disjunctive	Java	Cplex, ECLiPSe	agriculture, robot		supplementary material, benchmark, generated instance	GRASP	1053	1595
MenciaSV12 [437]	32	order, lateness, preempt, cmax, sequence dependent setup, resource, scheduling, flow-time, task, job-shop, machine, make-span, job, completion-time, precedence, distributed, setup-time	JSSP, single machine	disjunctive, cycle, Disjunctive constraint			steel mill		real-life, benchmark	edge-finding, energetic reasoning, time-tabling	1149	1691

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MenciaSV13 [438]	11	order, lateness, preempt, cmax, sequence dependent setup, resource, scheduling, flow-time, task, job-shop, machine, make-span, flow-shop, job, completion-time, precedence, setup-time	JSSP, single machine	disjunctive, cycle, Disjunctive constraint			steel mill		real-life, supplementary material, benchmark	edge-finding, energetic reasoning, time-tabling	1140	1682
MengZRZL20 [439]	13	job-shop, machine, no-wait, flow-shop, completion-time, order, cmax, batch process, open-shop, tardiness, resource, earliness, scheduling, preempt, sequence dependent setup, flow-time, transportation, make-span, job, precedence, Benders Decomposition, blocking constraint, distributed, task, no preempt, setup-time	OSP, parallel machine, Open Shop Scheduling Problem, HFS, FJS	alternative constraint, Blocking constraint, noOverlap, endBeforeStart		OR-Tools, Gecode, OPL, Gurobi, Cplex	robot, semiconductor		benchmark, supplementary material		1054	1596
MercierH08 [440]	21	scheduling, preempt, task, job, release-date, job-shop, due-date, order, resource		cumulative, disjunctive						edge-finder, edge-finding	1195	1737
MilanoW06 [444]	45	release-date, distributed, due-date, job-shop, resource, machine, job, lateness, setup-time, preempt, transportation, scheduling, Benders Decomposition, order, completion-time, task, tardiness, activity	parallel machine, single machine	Cumulatives constraint, Reified constraint, cumulative, alldifferent, Cardinality constraint, Channeling constraint, circuit, GCC constraint		ECLiPSe, Cplex, OPL, CHIP	crew-scheduling		benchmark	time-tabling, edge-finder	1204	1746
MilanoW09 [445]	40	release-date, lazy clause generation, distributed, due-date, job-shop, resource, machine, job, lateness, setup-time, preempt, transportation, scheduling, Benders Decomposition, order, completion-time, task, tardiness, activity	single machine	Cumulatives constraint, Reified constraint, cumulative, alldifferent, Cardinality constraint, Channeling constraint, circuit, GCC constraint		SCIP, ECLiPSe, Cplex, OPL, CHIP	crew-scheduling		benchmark	time-tabling, edge-finder	1185	1727
MokhtarzadehTNF20 [447]	14	task, multi-agent, setup-time, distributed, manpower, no-wait, scheduling, order, job, make-span, resource, precedence, completion-time, machine	parallel machine	cycle, alldifferent, circuit		Cplex	robot, crew-scheduling	circuit boards industry	generated instance, real-world	time-tabling	1055	1597
MontemanniD23 [451]	13	distributed, task, resource, order, scheduling, machine		circuit	Python	OR-Tools, OPL, Gurobi	robot, drone		benchmark, supplementary material		994	1536
MontemanniD23a [450]	20	order, completion-time, task, transportation, scheduling		circuit	Python	OR-Tools	drone		benchmark		995	1537

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MullerMKP22 [455]	18	precedence, batch process, make-span, order, job, activity, resource, machine, preempt, cmax, job-shop, scheduling, completion-time, setup-time, due-date, no-wait, task	FJS	disjunctive, circuit	Java, Python	Chuffed, MiniZinc, Choco Solver, OPL, OR-Tools, Gecode, Cplex	semiconductor robot		benchmark, github, random instance, real-world		1018	1560
NaderiBZ22 [461]	29	distributed, setup-time, job-shop, due-date, open-shop, tardiness, flow-shop, order, lateness, resource, scheduling, transportation, machine, make-span, no-wait, job, completion-time, Benders Decomposition	parallel machine, single machine	disjunctive, Disjunctive constraint, noOverlap		Cplex, CPO	surgery, patient, crew-scheduling, operating room, nurse, automotive		benchmark, real-life		1019	1561
NaderiBZ22a [460]	19	task, job-shop, distributed, transportation, re-scheduling, sequence dependent setup, order, job, machine, preempt, precedence, flow-shop, tardiness, make-span, scheduling, completion-time, resource, setup-time, Benders Decomposition	parallel machine	Disjunctive constraint, noOverlap, disjunctive, endBeforeStart	C++	CPO, Cplex	crew-scheduling, robot, nurse, operating room, automotive		benchmark		1020	1562
NaderiRR23 [464]	27	tardiness, flow-shop, order, earliness, cmax, re-scheduling, resource, scheduling, preempt, sequence dependent setup, task, transportation, machine, make-span, no-wait, job, completion-time, precedence, Benders Decomposition, distributed, setup-time, job-shop, due-date, open-shop	OSP, Open Shop Scheduling Problem, PMSP, PTC, single machine, RCPSP, FJS, parallel machine	cumulative, disjunctive, Disjunctive constraint, noOverlap, endBeforeStart, alternative constraint	Python	Z3, CPO, Gurobi, SCIP, Cplex	crew-scheduling, operating room, automotive		github, benchmark		996	1538
NattafAL15 [466]	21	resource, release-date, scheduling, preempt, task, activity, make-span, due-date, order	RCPSP, CECSP, CuSP	cumulative	C++	Cplex			generated instance	in-energetic reasoning, sweep	1122	1664
NattafAL17 [467]	18	resource, release-date, scheduling, task, activity, make-span, job, order	CECSP	disjunctive, cumulative	C++	Cplex			real-world	energetic reasoning, edge-finding	1099	1641
NattafALR16 [468]	34	scheduling, due-date, no preempt, task, precedence, make-span, order, activity, resource, preempt, release-date	CECSP, CuSP, RCPSP	cumulative	C++	Cplex			generated instance	in-energetic reasoning, sweep	1111	1653
NattafDYW19 [469]	16	job-shop, scheduling, completion-time, setup-time, make-span, order, job, resource, machine, cmax	parallel machine, single machine, PTC	noOverlap, alternative constraint		Cplex, OPL	semiconductor	lumber industry, semiconductor industry	benchmark		1068	1610
NattafHKAL19 [470]	16	preempt, order, resource, activity, scheduling, machine, task, make-span, release-date	RCPSP, single machine, CECSP	cumulative		Cplex			benchmark, real-life	energetic reasoning	1069	1611

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
NishikawaSTT19 [476]	16	re-scheduling, order, precedence, scheduling, make-span, preempt, resource, activity, task, distributed, machine	parallel machine	alternative constraint, cumulative		Cplex	pipeline, robot		real-world, benchmark		1070	1612
NovaraNH16 [477]	17	machine, make-span, job, precedence, setup-time, due-date, activity, completion-time, order, earliness, batch process, re-scheduling, tardiness, resource, scheduling, sequence dependent setup, manpower, task		noOverlap, endBeforeStart, alternative constraint, cumulative, disjunctive		OPL, Cplex		pharmaceutical industry	CSPlib, benchmark		1112	1654
Novas19 [478]	13	resource, make-span, scheduling, transportation, flow-time, precedence, cmax, sequence dependent setup, job-shop, due-date, machine, completion-time, no-wait, activity, distributed, inventory, lateness, setup-time, flow-shop, release-date, task, tardiness, job, order	parallel machine, FJS, HFS	cycle, cumulative, endBeforeStart, noOverlap		OPL, Cplex	medical, semiconductor, robot	solar cell industry	benchmark		1071	1613
NovasH10 [479]	20	precedence, batch process, due-date, re-scheduling, order, tardiness, scheduling, completion-time, machine, setup-time, job, task, no-wait, manpower, activity, make-span, earliness, resource, lateness				OPL, Ilog Scheduler	pipeline				1176	1718
NovasH12 [480]	17	precedence, order, scheduling, completion-time, machine, job, task, no-wait, activity, make-span, transportation, resource		cycle		Ilog Solver, OPL, Ilog Scheduler	hoist, electroplating, container terminal, semiconductor, robot	semiconductor industry, electroplating industry			1150	1692
NovasH14 [481]	14	precedence, order, scheduling, completion-time, machine, job, task, activity, make-span, transportation, buffer-capacity, resource, job-shop	single machine, parallel machine			Ilog Solver, OPL, Ilog Scheduler	robot		benchmark		1133	1675
NuijtenA96 [484]	16	resource, scheduling, preempt, machine, make-span, job, precedence, job-shop, flow-shop, completion-time, order	JSSP	disjunctive, Disjunctive constraint		CPO				time-tabling	1247	1789
NuijtenP98 [483]	16	resource, scheduling, preempt, manpower, task, transportation, machine, make-span, job, precedence, setup-time, job-shop, flow-shop, completion-time, order	single machine, JSSP	disjunctive, Disjunctive constraint	C++	Ilog Solver, OPL, Ilog Scheduler	satellite		real-life	edge-finding	1240	1782

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
OhrimenkoSC09 [487]	35	job, completion-time, scheduling, machine, open-shop, order, lazy clause generation, make-span, resource	Open Shop Scheduling Problem	Reified constraint, Arithmetic constraint, alldifferent, Cardinality constraint, disjunctive		Gecode			benchmark		1186	1728
OrnekO16 [488]	25	BOM, activity, bill of material, cmax, completion-time, distributed, due-date, earliness, inventory, job, job-shop, machine, make-span, order, precedence, preempt, release-date, resource, scheduling, setup-time, tardiness	parallel machine	Disjunctive constraint, Element constraint, cumulative, disjunctive		Cplex, OPL			real-life, real-world	edge-finding	1113	1655
OrnekOS20 [489]	29	machine, distributed, resource, order, scheduling	parallel machine	disjunctive, noOverlap		Cplex	aircraft		real-world, generated instance	time-tabling	1022	1564
OzturkTHO10 [494]	8	activity, cmax, completion-time, job, machine, make-span, order, precedence, resource, scheduling, setup-time, task	SBSFMMAL	disjunctive		Cplex, Ilog Scheduler, Ilog Solver, OPL	robot				1177	1719
OzturkTHO12 [677]	6	order, job, activity, scheduling, completion-time, resource, machine, preempt, job-shop, setup-time, task, distributed, precedence, make-span		Element constraint, cycle, disjunctive, cumulative		OPL, Cplex				edge-finding	1151	1693
OzturkTHO13 [495]	36	order, job, activity, scheduling, completion-time, resource, machine, preempt, cmax, setup-time, task, precedence, flow-shop, make-span	SBSFMMAL	Disjunctive constraint, Channeling constraint, cycle, disjunctive, cumulative		OPL, CHIP, Ilog Solver, Cplex			real-world, real-life	edge-finding	1141	1683
OzturkTHO15 [678]	12	activity, completion-time, distributed, inventory, job, machine, make-span, order, precedence, preempt, resource, scheduling, setup-time, task	SBSFMMAL	circuit, cumulative, cycle, disjunctive		Cplex, OPL			real-life		1123	1665
PandeyS21a [496]	29	resource, scheduling, re-scheduling, make-span, job, precedence, distributed, task, machine, activity, flow-shop, completion-time, order	parallel machine, PMSP, single machine	cumulative, Pulse constraint, end-BeforeStart, alternative constraint		OPL, Cplex	semiconductor		benchmark		1038	1580
PapaB98 [499]	25	due-date, machine, preempt, re-scheduling, activity, task, flow-shop, resource, job, order, make-span, completion-time, scheduling, distributed, cmax, setup-time, job-shop	PJSSP, JSSP	cumulative, table constraint, disjunctive, Disjunctive constraint, Cardinality constraint	C++	Ilog Solver, CHIP, Claire	hoist		benchmark	edge-finder, energetic reasoning, edge-finding	1241	1783

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Pape94 [497]	34	due-date, multi-agent, distributed, resource, inventory, machine, release-date, job-shop, task, order, scheduling, precedence, re-scheduling, activity, job		cumulative, disjunctive	Prolog, C++, Lisp						1250	1792
PenzDN23 [502]	13	machine, flow-time, job, resource, job-shop, release-date, earliness, preempt, order, tardiness, scheduling, completion-time, setup-time, activity, make-span	parallel machine, single machine			Cplex	semiconductor	semiconductor industry			998	1540
PoderBS04 [508]	16	preempt, scheduling, precedence, order, task, activity, producer/consumer, release-date, due-date, resource, machine	RCPSp	cumulative	Prolog	CHIP		chemical industry			1211	1753
PohlAK22 [509]	16	job, activity, resource, lateness, release-date, transportation, precedence, earliness, sequence dependent setup, re-scheduling, tardiness, inventory, scheduling, completion-time, setup-time, order, machine	SCC, single machine	cumulative, noOverlap	Python	Cplex, Gurobi	aircraft		benchmark, real-world		1023	1565
Polo-MejiaALB20 [510]	18	setup-time, cmax, resource, preempt, precedence, earliness, Benders Decomposition, task, job, due-date, activity, machine, tardiness, order, release-date, make-span, scheduling, completion-time	RCPSp	endBeforeStart, alternative constraint, alwaysIn, Disjunctive constraint, cumulative, noOverlap, disjunctive, Calendar constraint	C++	Cplex, CPO			Roadef, github		1056	1598
PourDERB18 [512]	12	order, transportation, job, scheduling, task, machine				OR-Tools, Cplex	crew-scheduling, railway		real-world, real-life, benchmark, generated instance		1091	1633
PrataAN23 [516]	17	precedence, order, tardiness, activity, setup-time, flow-time, release-date, no-wait, earliness, scheduling, make-span, completion-time, task, machine, job, lateness, re-scheduling, sequence dependent setup, inventory, distributed, due-date, job-shop, batch process, preempt, flow-shop, resource, open-shop, Benders Decomposition	single machine, Open Shop Scheduling Problem, parallel machine	circuit, cumulative		CHIP	aircraft, dairy, robot, energy-price	manufacturing industry	benchmark, real-world, real-life	time-tabling	975	1517

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
QinDCS20 [519]	18	order, tardiness, scheduling, completion-time, machine, setup-time, job, task, activity, make-span, transportation, cmax, resource, Benders Decomposition, precedence	parallel machine	endBeforeStart, cycle, noOverlap		OPL, Cplex	shipping line, container terminal, yard crane	maritime industry, shipping industry	real-life, benchmark	GRASP	1057	1599
QinWSLS21 [518]	12	job-shop, preempt, flow-shop, scheduling, order, make-span, completion-time, tardiness, batch process, cmax, machine, job, lateness	single machine		C++	OPL, Cplex	agriculture, semiconductor	semiconductor industry			1039	1581
Rodriguez07 [527]	15	precedence, blocking constraint, job, scheduling, resource, preempt, due-date, job-shop, transportation, task, order, activity		circuit, Disjunctive constraint, Blocking constraint, disjunctive		Ilog Solver, Z3, Ilog Scheduler, Cplex	railway, satellite		real-life	GRASP	1200	1742
RodriguezDG02 [526]	10	resource, activity, order, completion-time, scheduling, transportation		circuit, disjunctive			railway			edge-finding	1220	1762
RoshanaeiBAUB20 [528]	19	scheduling, resource, order, Benders Decomposition, job, job-shop, setup-time, activity, machine, distributed, sequence dependent setup, re-scheduling	parallel machine	bin-packing, noOverlap, disjunctive	C++	Cplex	operating room, nurse, patient, surgery		benchmark, generated instance, real-world		1058	1600
RoshanaeiLAU17 [529]	17	tardiness, sequence dependent setup, Benders Decomposition, transportation, scheduling, order, make-span, release-date, resource, setup-time, task, distributed, machine, job-shop, job, re-scheduling	parallel machine, single machine	bin-packing		Cplex, Gurobi	patient, operating room, medical, surgery, nurse		real-world		1100	1642
RuggieroBBMA09 [532]	14	resource, activity, distributed, machine, scheduling, order, Benders Decomposition, preempt, setup-time, precedence, task		circuit, cumulative, cycle		Ilog Solver, Ilog Scheduler, Cplex	pipeline, satellite		instance generator, real-life		1187	1729
SacramentoSP20 [533]	33	preempt, precedence, task, open-shop, completion-time, job, resource, activity, distributed, machine, flow-shop, job-shop, transportation, scheduling, order, make-span	parallel machine, Open Shop Scheduling Problem	disjunctive, cumulative, alternative constraint, endBeforeStart, noOverlap	Java	Cplex, CPO	container terminal	shipping industry, maritime industry	benchmark, real-life, zenodo, real-world		1059	1601
SadykovW06 [535]	9	scheduling, due-date, machine, completion-time, lateness, job, release-date	parallel machine, single machine	disjunctive, Disjunctive constraint		CHIP	robot		generated instance		1205	1747
SakkoutW00 [536]	30	scheduling, distributed, task, job-shop, machine, activity, precedence, order, preempt, transportation, re-scheduling, resource, job	KRFP, single machine	Arithmetic constraint, bin-packing, disjunctive, Disjunctive constraint		CHIP, Cplex	emergency service, aircraft		benchmark, real-world	edge-finder, edge-finding	1231	1773

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SchausHMCMD11 [538]	23	task, order	SCC	Cardinality constraint, bin-packing, Element constraint, GCC constraint			steel mill	steel industry	benchmark, CSPLib, generated instance		1166	1708
SchildW00 [539]	23	scheduling, completion-time, task, job, distributed, job-shop, flow-shop, resource, machine, precedence, order	single machine	disjunctive, Disjunctive constraint, bin-packing, Reified constraint, cycle		Ilog Solver	automotive	automotive industry, aerospace industry		time-tabling, edge-finding	1232	1774
SchnellH15 [540]	21	preempt, resource, job, lazy clause generation, scheduling, machine, activity, make-span, precedence, cmax	psplib, RCPSP	cycle, cumulative		SCIP	automotive	IT industry	real-life, benchmark, supplementary material	GRASP	1124	1666
SchuttFSW11 [547]	33	scheduling, completion-time, resource, machine, preempt, lazy clause generation, open-shop, task, order, activity, precedence, make-span	psplib, RCPSP	circuit, Disjunctive constraint, span constraint, disjunctive, cumulative		ECLiPSe, CHIP, Ilog Scheduler, SICStus			real-world, benchmark	not-last, not-first, edge-finding, edge-finder	1167	1709
SchuttFSW13 [548]	17	scheduling, resource, machine, setup-time, preempt, cmax, lazy clause generation, task, order, activity, precedence, release-date	SCC, psplib, RCPSP	cycle, disjunctive, cumulative, Reified constraint	C++	CHIP			supplementary material, benchmark		1142	1684
ShaikhK23 [554]	12	job, re-scheduling, distributed, job-shop, resource, open-shop, machine, order, activity, scheduling, task					medical, drone		real-world, benchmark	time-tabling	999	1541
ShinBBHO18 [557]	16	order, preempt, transportation, resource, job, scheduling, task, machine, activity, inventory					patient, physician, nurse, medical		real-world, github		1092	1634

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Siala15 [558]	2	precedence, cmax, sequence dependent setup, job-shop, lazy clause generation, due-date, machine, activity, earliness, setup-time, task, tardiness, job, open-shop, order, resource, make-span, scheduling	single machine, OSP, RCPSP, TMS	AmongSeq constraint, circuit, alldifferent, Balance constraint, cumulative, table constraint, disjunctive, CardPath, GCC constraint, AtMostSeqCard, Reified constraint, Regular constraint, AtMostSeq, Among constraint, Atmost constraint, Disjunctive constraint, Cardinality constraint, cycle, MultiAtMostSeqCard		Mistral, Ilog Solver, CHIP, Claire, OPL	rectangle-packing, automotive		real-world, github, benchmark, random instance, Roadeff, CSPLib	GRASP, edge-finding, time-tabling	1125	1667
SimoninAHL15 [562]	23	resource, activity, scheduling, transportation, task, make-span, precedence, preempt, order, inventory		disjunctive, span constraint, cycle, cumulative		CHIP	earth observation, robot, satellite, pipeline			sweep	1126	1668
Simonis07 [566]	30	scheduling, make to order, task, producer/consumer, bill of material, job, re-scheduling, sequence dependent setup, due-date, job-shop, batch process, resource, transportation, machine, order, activity, setup-time, release-date		disjunctive, GCC constraint, Atmost constraint, diffn, bin-packing, Among constraint, cumulative, alldifferent, Cardinality constraint, cycle, Cumulatives constraint	Prolog	OPL, CHIP, Ilog Scheduler	aircraft, patient, medical, nurse			sweep, bi-partite matching, time-tabling	1201	1743
SimonisCK00 [567]	7	order, activity, machine, producer/consumer, scheduling, resource, task, transportation, stock level		disjunctive, cumulative, diffn, bin-packing, cycle, circuit	C++, Prolog	CHIP	aircraft, crew-scheduling	food industry			1233	1775
SourdN00 [570]	12	make-span, resource, job-shop, flow-shop, precedence, cmax, preempt, order, scheduling, completion-time, machine, setup-time, job, open-shop, release-date	JSSP, single machine	disjunctive, cumulative, Disjunctive constraint		Ilog Scheduler	robot		real-life, benchmark	not-first, edge-finding	1234	1776

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SubulanC22 [572]	38	tardiness, order, preempt, BOM, transportation, resource, scheduling, task, due-date, machine, activity, make-span, completion-time, precedence, inventory	RCPS	endBeforeStart, cumulative		Cplex, OPL	offshore		real-world, real-life, benchmark		1025	1567
SureshMOK06 [575]	19	task, distributed, order, job, machine, scheduling, buffer-capacity		cumulative, cycle		Z3					1206	1748
TangLWSK18 [581]	28	order, preempt, transportation, re-scheduling, resource, scheduling, task, activity, job	RCPS	circuit, cycle	C	Cplex, OPL	crew-scheduling, railway, pipeline				1093	1635
TerekhovDOB12 [587]	15	distributed, due-date, preempt, make-span, precedence, cmax, resource, inventory, activity, job, Benders Decomposition, completion-time, tardiness, job-shop, scheduling, release-date, machine, lateness, flow-shop, earliness, open-shop, order	parallel machine, RCPS, single machine	disjunctive, cumulative, Balance constraint, alldifferent	C++	Ilog Scheduler, Cplex, Ilog Solver	robot		real-life		1152	1694
TerekhovTDB14 [588]	38	flow-shop, order, distributed, no preempt, preempt, make-span, task, cmax, resource, inventory, activity, re-scheduling, job, completion-time, tardiness, job-shop, scheduling, flow-time, buffer-capacity, release-date, machine	parallel machine, single machine			Ilog Scheduler, Cplex	robot, semiconductor		real-world		1134	1676
ThiruvadyWGS14 [592]	34	scheduling, order, precedence, task, make-span, completion-time, resource, activity, tardiness, distributed, machine, job	psplib, single machine	cumulative				mining industry	benchmark		1135	1677
Timpe02 [595]	18	inventory, task, job, resource, make-span, scheduling, producer/consumer, due-date, order, machine, activity, stock level, setup-time		diffn, Balance constraint, cumulative, disjunctive, cycle	C++	CHIP, Cplex		chemical industry, process industry			1221	1763
TopalogluO11 [597]	10	scheduling, re-scheduling, task, transportation, preempt, order, distributed				Cplex, OPL, Solver	Ilog nurse, surgery, medical, physician, emergency service, patient		real-life	time-tabling	1168	1710
TorresL00 [598]	12	precedence, order, preempt, release-date, scheduling, make-span, task, job, job-shop, resource, machine	single machine, JSSP	disjunctive, cumulative, cycle	C++		robot		benchmark	not-last, energetic reasoning, not-first	1235	1777

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
TranAB16 [601]	13	sequence dependent setup, due-date, order, tardiness, scheduling, completion-time, machine, setup-time, job, release-date, make-span, cmax, resource, Benders Decomposition, precedence	single machine, parallel machine, PMSP	cycle, circuit		SCIP, Gurobi, Cplex	aircraft		benchmark		1114	1656
TranPZLDB18 [604]	17	machine, preempt, make-span, scheduling, completion-time, resource, task, distributed, re-scheduling, order, job scheduling, Benders Decomposition, precedence, order, task, activity, resource, multi-agent, machine, job, re-scheduling, transportation	single machine	bin-packing	C++	Cplex			benchmark, generated instance		1094	1636
TranVNB17 [606]	68			alternative constraint, cumulative, Cardinality constraint, noOverlap		OPL, MiniZinc, Cplex	satellite, robot, medical		real-world		1102	1644
TrojetHL11 [609]	7	task, job-shop, machine, activity, make-span, job, completion-time, precedence, distributed, due-date, order, resource, scheduling	RCPSP	cumulative, diffn, disjunctive, cycle, alldifferent	Prolog	CHIP, SIC-Stus	robot		real-world		1169	1711
Tsang03 [610]	2	resource, scheduling							real-life	time-tabling	1216	1758
VilimBC05 [627]	23	setup-time, scheduling, make-span, completion-time, task, job, sequence dependent setup, distributed, job-shop, batch process, resource, open-shop, machine, precedence, order, activity		disjunctive, cumulative, cycle					benchmark, real-life	sweep, edge-finding, not-first, not-last	1209	1751
VlkHT21 [630]	14	scheduling, tardiness, due-date, completion-time, no-wait, distributed, precedence, Benders Decomposition, order, resource	PMSP	alternative constraint, noOverlap		OPL, Cplex, Gurobi, Z3	automotive, robot		github, benchmark, industrial partner, random instance	GRASP	1040	1582
Wallace96 [632]	30	distributed, task, resource, multi-agent, machine, job, job-shop, transportation, scheduling, Benders Decomposition, order, activity		cycle, circuit, disjunctive	Lisp, Prolog	CHIP, Ilog Solver, ECLiPSe, OPL	automotive, robot, aircraft, railway	process industry, automotive industry		time-tabling	1248	1790
WallaceY20 [634]	19	machine, flow-shop, order, resource, scheduling, transportation, job, Benders Decomposition, lazy clause generation, task, job-shop	CHSP	cumulative, disjunctive, circuit, Disjunctive constraint, cycle		Chuffed, Gecode, OPL, Gurobi, Cplex, MiniZinc	electroplating, container terminal, robot, hoist, yard crane		random instance, real-world, real-life, benchmark	edge-finding, time-tabling	1060	1602
WangMD15 [637]	13	make-span, job, activity, resource, job-shop, precedence, cmax, re-scheduling, scheduling, completion-time, task, no-wait, order		cumulative, noOverlap		OPL, Cplex	nurse, operating room, physician, patient, surgery, medical		real-life, real-world	time-tabling	1127	1669

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
WikarekS19 [641]	22	multi-agent, scheduling, preempt, manpower, make-span, resource, job, precedence, distributed, task, setup-time, job-shop, machine, flow-shop, order, cmax, inventory	RCPSP, JSSP	cumulative, disjunctive		ECLiPSe, Z3, SCIP	robot				1073	1615
WuBB09 [650]	9	distributed, resource, job, machine, job-shop, task, order, scheduling, completion-time, lateness, precedence, activity, flow-time, transportation	single machine	Channeling constraint, cumulative		Ilog Solver	railway, crew-scheduling		real-world		1188	1730
YounespourAKE19 [652]	11	re-scheduling, resource, inventory, order, scheduling, completion-time, cmax, activity, machine, precedence, make-span, distributed		alternative constraint, span constraint, cumulative, noOverlap		OPL, Z3	nurse, operating room, surgery, medical, patient		real-life, real-world		1074	1616
YunusogluY22 [655]	18	order, tardiness, make-span, release-date, lateness, precedence, sequence dependent setup, job-shop, resource, activity, setup-time, preempt, inventory, due-date, batch process, job, cmax, re-scheduling, flow-time, completion-time, earliness, scheduling, machine, transportation	PMSP, parallel machine	noOverlap, bin-packing, cumulative, endBeforeStart		OPL, Cplex	robot, medical	insulation industry	real-world, generated instance, benchmark, real-life, supplementary material	GRASP	1026	1568
YuraszeckMCCR23 [658]	11	job-shop, flow-time, setup-time, cmax, activity, open-shop, machine, precedence, task, flow-shop, make-span, resource, preempt, batch process, order, scheduling, job	RCPSP, Open Shop Scheduling Problem, JSSP, FJS, OSSP	endBeforeStart, cumulative		OPL, Cplex		pharmaceutical industry	github, benchmark, real-world	GRASP	1000	1542
YuraszeckMPV22 [657]	26	sequence dependent setup, no-wait, due-date, transportation, scheduling, order, make-span, release-date, completion-time, resource, setup-time, task, distributed, open-shop, machine, flow-shop, flow-time, job-shop, job, re-scheduling	Open Shop Scheduling Problem, OSSP, single machine, JSSP	noOverlap, disjunctive, Disjunctive constraint	Java	Cplex	semiconductor automotive, robot	manufacturing industry	real-life, generated instance, benchmark, github		1027	1569

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ZarandiASC20 [661]	93	preempt, order, tardiness, inventory, batch process, distributed, lateness, no-wait, resource, activity, multi-agent, completion-time, due-date, scheduling, machine, flow-shop, job, cmax, re-scheduling, open-shop, task, flow-time, make-span, release-date, precedence, earliness, sequence dependent setup, job-shop, transportation, setup-time	HFS, PMSP, parallel machine, RCPSP, OSSP, JSSP, single machine, FJS, Open Shop Scheduling Problem	disjunctive, cycle	Prolog	OPL	satellite, robot, surgery, drone, medical, railway, crew-scheduling, container terminal, nurse, aircraft, semiconductor, operating room	textile industry, gas industry	real-world, benchmark, real-life	max-flow, time-tabling	1061	1603
ZarandiKS16 [660]	17	make-span, job, scheduling, completion-time, resource, machine, preempt, earliness, due-date, tardiness, job-shop, transportation, task, order, distributed, flow-shop	single machine			Ilog Solver	robot		real-world	time-tabling	1115	1657
ZeballosH05 [662]	10	make-span, order, job, activity, resource, machine, tardiness, scheduling, transportation, buffer-capacity, completion-time, due-date, task, precedence				Ilog Scheduler, OPL, Ilog Solver	robot				1210	1752
ZeballosQH10 [663]	20	make-span, precedence, earliness, job-shop, transportation, preempt, order, tardiness, cmax, resource, activity, completion-time, due-date, scheduling, machine, job, task				ECLiPSe, Ilog Scheduler, OPL, Ilog Solver, Cplex	robot		real-world, benchmark		1178	1720
ZhangW18 [667]	18	job, no-wait, lateness, job-shop, transportation, multi-agent, earliness, preempt, flow-time, distributed, resource, tardiness, scheduling, completion-time, flow-shop, precedence, re-scheduling, order, make-span, machine, setup-time	FJS	cumulative, noOverlap		Cplex, Z3, OPL	robot		benchmark		1095	1637
ZhangYW21 [666]	10	cmax, machine, job, re-scheduling, setup-time, preempt, scheduling, precedence, order, make-span, task, activity, release-date, distributed, job-shop, batch process, resource, multi-agent	RCPSP	disjunctive, endBeforeStart		Cplex	robot		benchmark		1041	1583
Zhou97 [670]	29	release-date, job-shop, due-date, task, order, preempt, scheduling, completion-time, precedence, job, machine		Disjunctive constraint, disjunctive, cumulative	Prolog	CHIP, Z3, Ilog Scheduler			benchmark	edge-finding, edge-finder	1245	1787

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ZhuSZW23 [673]	22	order, scheduling, completion-time, machine, setup-time, job, task, open-shop, make-span, transportation, multi-agent, cmax, distributed, resource, inventory, job-shop, Benders Decomposition, precedence, preempt, re-scheduling		endBeforeStart, alternative constraint, disjunctive, noOverlap		Cplex	robot	cable industry	real-world, benchmark		1001	1543
ZouZ20 [676]	10	resource, task, order, scheduling, completion-time, activity, precedence, distributed		cumulative, noOverlap, span constraint, endBeforeStart		Cplex, OPL	pipeline		benchmark		1062	1604
abs-0907-0939 [506]	12	task, resource, activity, scheduling, release-date, order, due-date, preempt, make-span		Cardinality constraint, RelSoftCumulative, Cumulatives constraint, RelSoftCumulativeSum, cumulative, SoftCumulative, SoftCumulativeSum	Java	Choco Solver, CHIP			real-world	sweep, energetic reasoning, edge-finding	1189	1731
abs-1009-0347 [546]	37	make-span, task, precedence, cmax, resource, activity, scheduling, machine, order, preempt, lazy clause generation	psplib, RCPSP, SCC	disjunctive, cumulative, cycle	C++	Ilog Scheduler, CHIP, Ilog Solver			benchmark, instance generator		1179	1721
abs-1901-07914 [77]	8	resource, distributed, machine, multi-agent, scheduling, order, make-span, task			Python	OR-Tools, MiniZinc	robot		benchmark, real-world, github		1075	1617
abs-1902-01193 [14]	9	order, scheduling, resource, activity, BOM, task			Python, C++, Prolog	CHIP, Ilog Solver, OPL	medical, nurse			time-tabling	1076	1618
abs-1902-09244 [286]	62	completion-time, resource, setup-time, activity, task, machine, flow-shop, job-shop, job, tardiness, order, inventory, no-wait, due-date, precedence, transportation, earliness, scheduling, make-span, release-date	FJS, RCMPSP, RCPSP	cumulative, cycle, endBeforeStart		OPL, Cplex	aircraft	automobile industry, steel industry, food-processing industry, glass industry, processing industry	benchmark, industry partner, real-world		1077	1619
abs-1911-04766 [237]	16	scheduling, order, make-span, due-date, precedence, task, release-date, completion-time, job, resource, re-scheduling, activity	RCPSP	noOverlap, Cardinality constraint, disjunctive, cumulative, alternative constraint, endBeforeStart	Java	MiniZinc, CPO, Chuffed, Cplex, Gecode	automotive		real-world, benchmark, github, real-life, instance generator, generated instance, industrial partner	time-tabling	1078	1620

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
abs-2102-08778 [156]	10	task, job, resource, open-shop, machine, flow-shop, job-shop, scheduling, order, make-span	JSSP		Java	Cplex, OR-Tools, OPL, MiniZinc, CPO			benchmark, real-life, real-world, generated instance		1042	1584
abs-2211-14492 [573]	17	distributed, flow-shop, transportation, scheduling, order, make-span, completion-time, cmax, resource, setup-time, activity, due-date, precedence, task, machine, job-shop, job, tardiness	single machine	bin-packing, cumulative, Disjunctive constraint, disjunctive	Python	Cplex, OR-Tools	semiconductor		benchmark, random instance, generated instance		1028	1570
abs-2305-19888 [300]	42	job, re-scheduling, sequence dependent setup, distributed, flow-shop, scheduling, order, make-span, completion-time, cmax, preempt, resource, setup-time, activity, precedence, task, machine	parallel machine	noOverlap, alternative constraint, cumulative		Gurobi	robot		generated instance, real-world, gitlab, benchmark		1002	1544
abs-2306-05747 [584]	9	job-shop, re-scheduling, scheduling, order, make-span, preempt, precedence, task, flow-time, completion-time, job, resource, tardiness, machine, flow-shop	JSSP	noOverlap, disjunctive, cumulative	Java	Choco Solver			supplementary material, benchmark, real-world, github, industrial instance		1003	1545
abs-2312-13682 [504]	20	resource, activity, machine, inventory, re-scheduling, scheduling, order, make-span, transportation, task		cumulative, table constraint		OPL	steel mill, container terminal, nurse, operating room		real-world, generated instance		1004	1546
abs-2402-00459 [473]	21	machine, job-shop, job, multi-agent, tardiness, due-date, earliness, scheduling, order, completion-time, resource, precedence, task	single machine	Disjunctive constraint, disjunctive, bin-packing, cumulative		OPL, OR-Tools		mining industry	instance generator, real-world, generated instance, benchmark, github		976	1518

3.3 Manually Defined Fields

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
ForbesHJST24 ForbesHJST24 [218]	Combining optimisation and simulation using logic-based Benders decomposition		benchmark, real-life, github	1							974	1328
PrataAN23 PrataAN23 [516]	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	-	benchmark, real-world, real-life	1	-		-	-	survey	-	975	1447
abs-2402-00459 abs-2402-00459 [473]	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	OR-Tools	instance generator, real-world, generated instance, benchmark, github	2	y		n	-	RCJS	cumulatives	976	1515
AbreuNP23 AbreuNP23 [169]	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	?	real-world, benchmark	10	?		?	?	?	?	977	1257
AbreuPNF23 AbreuPNF23 [3]	A constraint programming-based iterated greedy algorithm for the open shop with sequence-dependent processing times and makespan minimization		real-life, benchmark, real-world	0							978	1258
Adelgren2023 Adelgren2023 [7]	On the utility of production scheduling formulations including record keeping variables		generated instance, benchmark, real-life, github, supplementary material	12							979	1259
AfsarVPG23 AfsarVPG23 [8]	Mathematical models and benchmarking for the fuzzy job shop scheduling problem		real-life, supplementary material, benchmark, real-world	96							980	1260
AkramNHRS23 AkramNHRS23 [13]	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming	OR-Tools	benchmark	0	n		n	-	TSN	-	981	1262
AlfieriGPS23 AlfieriGPS23 [15]	Permutation flowshop problems minimizing core waiting time and core idle time		benchmark	0							982	1263
Caballero23 Caballero23 [128]	Scheduling through logic-based tools	SAT		1	-		-	PhD Thesis	RCPSP	-	983	1301
CzerniachowskaWZ23 CzerniachowskaWZ23 [160]	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations		benchmark, Roadeff, real-world	0							984	1311
FahimiQ23 FahimiQ23 [208]	Overload-Checking and Edge-Finding for Robust Cumulative Scheduling			0							985	No
Fatemi-AnarakiTFV23 Fatemi-AnarakiTFV23 [213]	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches		github, real-world, random instance	2							986	1326
GhasemiMH23 GhasemiMH23 [244]	Operating room scheduling by emphasising human factors and dynamic decision-making styles: a constraint programming method			0							987	No
GokPTGO23 GokPTGO23 [275]	Constraint-based robust planning and scheduling of airport apron operations through simheuristics		github, real-world	10							988	1333

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
GuoZ23 GuoZ23 [272]	Capacity reservation for humanitarian relief: A logic-based Benders decomposition method with subgradient cut		real-world, supplementary material, github, benchmark	14							989	1340
GurPAE23 GurPAE23 [273]	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Cplex	real-life	0	n		n	-	-	-	990	1342
IsikYA23 IsikYA23 [325]	Constraint programming models for the hybrid flow shop scheduling problem and its extensions	OPL CP Opt	benchmark, real-life, real-world, generated instance benchmark	4	y		y	-	HFSP	alternative endBeforeStart noOverlap cumulative	991	1365
JuvinHL23a JuvinHL23a [335]	Logic-based Benders decomposition for the preemptive flexible job-shop scheduling problem			1							992	1370
LacknerMMWW23 LacknerMMWW23 [378]	Exact methods for the Oven Scheduling Problem	MiniZinc OPL	benchmark, instance generator, zenodo, real-life, random instance, industrial partner	0	DZN JSON		y	[377]	OSP	alternative noOverlap forbidExtent	993	1386
MontemanniD23 MontemanniD23 [451]	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	OR-Tools	benchmark, supplementary material	6	ref	y	n	-	PDSTSP	circuit	994	1413
MontemanniD23a MontemanniD23a [450]	Constraint programming models for the parallel drone scheduling vehicle routing problem	OR-Tools	benchmark	0	ref		n	-	PDSTSP	circuit multipleCircuit	995	1414
NaderiRR23 NaderiRR23 [464]	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook		github, benchmark	8							996	1418
NouriMHD23 NouriMHD23 [611]	Production scheduling in a reconfigurable manufacturing system benefiting from human-robot collaboration			0							997	No
PenzDN23 PenzDN23 [502]	Minimizing the sum of completion times on a single machine with health index and flexible maintenance operations			0							998	1442
ShaikhK23 ShaikhK23 [554]	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	?	real-world, benchmark	2	?		?	?	?	?	999	1463
YuraszeckMCCR23 YuraszeckMCCR23 [658]	A Constraint Programming Formulation of the Multi-Mode Resource-Constrained Project Scheduling Problem for the Flexible Job Shop Scheduling Problem	CP Opt	github, benchmark, real-world	0	ref		n	-	FJSSP	alternative endBeforeStart cumulative	1000	1493
ZhuSZW23 ZhuSZW23 [673]	Constraint programming and logic-based Benders decomposition for the integrated process planning and scheduling problem		real-world, benchmark	0							1001	1502
abs-2305-19888 abs-2305-19888 [300]	Constraint Programming and Constructive Heuristics for Parallel Machine Scheduling with Sequence-Dependent Setups and Common Servers	CP Opt Gurobi	generated instance, real-world, github, benchmark	1	y	y	n	-	$P seq, ser C_{max}$	alternative noOverlap cumulative	1002	1512
abs-2306-05747 abs-2306-05747 [584]	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	custom Choco	supplementary material, benchmark, real-world, github, industrial instance	0	ref		n	-	JSSP	noOverlap	1003	1513

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
abs-2312-13682 abs-2312-13682 [504]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	1004	1514
AbreuN22 AbreuN22 [168]	A new hybridization of adaptive large neighborhood search with constraint programming for open shop scheduling with sequence-dependent setup times	Cplex CP Opt	real-world, benchmark	0	y		n	-	OSSPST	noOverlap	1005	1256
BourreauGGLT22 BourreauGGLT22 [119]	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)		real-world, benchmark	2							1006	1299
CampeauG22 CampeauG22 [129]	Short- and medium-term optimization of underground mine planning using constraint programming	CP Opt	real-life, real-world	0	ref		n			pulse alwaysIn endBeforeStart noOverlap	1007	1302
ColT22 ColT22 [161]	Industrial-size job shop scheduling with constraint programming		generated instance, supplementary material, github, benchmark, real-life, real-world	4							1008	1309
ElciOH22 ElciOH22 [196]	Stochastic Planning and Scheduling with Logic-Based Benders Decomposition		benchmark, random instance, real-life	0							1009	1316
EmdeZD22 EmdeZD22 [200]	Point-to-point and milk run delivery scheduling: models, complexity results, and algorithms based on Benders decomposition		random instance, github	7							1010	1317
EtminaniesfahaniGNMS22 EtminaniesfahaniGNMS22 [203]	A Forward-Backward Relax-and-Solve Algorithm for the Resource-Constrained Project Scheduling Problem		real-world	0							1011	1319
FarsiTM22 FarsiTM22 [212]	Integrated surgery scheduling by constraint programming and meta-heuristics		supplementary material	10							1012	1325
FetgoD22 FetgoD22 [215]	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited		benchmark, real-world	7							1013	1327
HeinzNVH22 HeinzNVH22 [299]	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers		real-world, generated instance, benchmark, gitlab	3							1014	1354
HillBCGN22 HillBCGN22 [305]	Optimization Strategies for Resource-Constrained Project Scheduling Problems in Underground Mining			0							1015	No
JuvinHL22 JuvinHL22 [333]	Logic-Based Benders Decomposition for the Preemptive Flexible Job-Shop Scheduling Problem		benchmark	0							1016	1369
MartnezAJ22 MartnezAJ22 [432]	Logic-Based Benders Decomposition for Integrated Process Configuration and Production Planning Problems			0							1017	No
MullerMKP22 MullerMKP22 [455]	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning		benchmark, github, random instance, real-world	3							1018	1415
NaderiBZ22 NaderiBZ22 [461]	Integrated Order Acceptance and Resource Decisions Under Uncertainty: Robust and Stochastic Approaches		benchmark, real-life	0							1019	1416

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
NaderiBZ22a NaderiBZ22a [460]	Type-2 integrated process-planning and scheduling problem: Reformulation and solution algorithms		benchmark	0							1020	1417
NaderiR22 NaderiR22 [462]	Critical-Path-Search Logic-Based Benders Decomposition Approaches for Flexible Job Shop Scheduling			0							1021	No
OrnekOS20 OrnekOS20 [489]	Integer and constraint programming model formulations for flight-gate assignment problem		real-world, generated instance	0							1022	1434
PohlAK22 PohlAK22 [509]	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach		benchmark, real-world	2							1023	1444
ShiYXQ22 ShiYXQ22 [556]	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach			0							1024	No
SubulanC22 SubulanC22 [572]	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem		real-world, real-life, benchmark	2							1025	1470
YunusogluY22 YunusogluY22 [655]	Constraint programming approach for multi-resource-constrained unrelated parallel machine scheduling problem with sequence-dependent setup times		real-world, generated instance, benchmark, real-life, supplementary material	10							1026	1492
YuraszeckMPV22 YuraszeckMPV22 [657]	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem		real-life, generated instance, benchmark, github	5							1027	1494
abs-2211-14492 abs-2211-14492 [573]	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling		benchmark, random instance, generated instance	1							1028	1511
AbohashimaEG21 AbohashimaEG21 [2]	A Mathematical Programming Model and a Firefly-Based Heuristic for Real-Time Traffic Signal Scheduling With Physical Constraints		real-world, generated instance, github	0							1029	1254
AbreuAPNM21 AbreuAPNM21 [167]	A new variable neighbourhood search with a constraint programming search strategy for the open shop scheduling problem with operation repetitions		benchmark, generated instance, real-world	8							1030	1255
Bedhief21 Bedhief21 [74]	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines		real-life	0							1031	1283
CarlierSJP21 CarlierSJP21 [137]	A faster checker of the energetic reasoning for the cumulative scheduling problem			0							1032	No
FanXG21 FanXG21 [211]	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints		benchmark	0							1033	1324
HamPK21 HamPK21 [279]	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming		github, benchmark	4							1034	1348
HubnerGSV21 HubnerGSV21 [322]	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics		benchmark, real-life	4							1035	1364

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
KoehlerBFFHPSSS21 KoehlerBFFH-PSSS21 [352]	Cable tree wiring - benchmarking solvers on a real-world scheduling problem with a variety of precedence constraints	CP Opt OR-Tools Chuffed Cplex Gurobi Z3 OptiMathSat	real-world, benchmark, github	9	DZN		y	-	CTW	alldifferent inverse	1036	1375
NaderiRBAU21 NaderiRBAU21 [463]	Increased Surgical Capacity without Additional Resources: Generalized Operating Room Planning and Scheduling			0							1037	No
PandeyS21a PandeyS21a [496]	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization		benchmark	1							1038	1439
QinWSLS21 QinWSLS21 [518]	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint			0							1039	1449
VlkHT21 VlkHT21 [630]	Constraint programming approaches to joint routing and scheduling in time-sensitive networks		github, benchmark, industrial partner, random instance	0							1040	1485
ZhangYW21 ZhangYW21 [666]	A graph-based constraint programming approach for the integrated process planning and scheduling problem		benchmark	0							1041	1500
abs-2102-08778 abs-2102-08778 [156]	Large-Scale Benchmarks for the Job Shop Scheduling Problem		benchmark, real-life, real-world, generated instance	0							1042	1510
AlizdehS20 AlizdehS20 [16]	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming			0							1043	No
AntunesABD20 AntunesABD20 [20]	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting		real-world, industrial partner	1							1044	1264
AstrandJZ20 AstrandJZ20 [38]	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search		benchmark, real-life, real-world	0							1045	1267
BadicaBI20 BadicaBI20 [39]	Block structured scheduling using constraint logic programming		real-world, benchmark	5							1046	1268
BenediktMH20 BenediktMH20 [86]	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	CP Opt Gurobi	benchmark, random instance, github, generated instance	4	JSON		y				1047	1288
CauwelaertDS20 CauwelaertDS20 [143]	An Efficient Filtering Algorithm for the Unary Resource Constraint with Transition Times and Optional Activities		benchmark, real-life, bit-bucket, generated instance	2							1048	1304
FallahiAC20 FallahiAC20 [210]	Tabu search and constraint programming-based approach for a real scheduling and routing problem		github, real-life	0							1049	1323
GuoHLW20 GuoHLW20 [271]	Logic-based Benders decomposition for gantry crane scheduling with transferring position constraints in a rail-road container terminal			0							1050	No

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
HauderBRPA20 HauderBRPA20 [287]	Resource-constrained multi-project scheduling with activity and time flexibility		real-world, industry partner, benchmark, supplementary material	0							1051	1351
LunardiBLRV20 LunardiBLRV20 [417]	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem		benchmark, random instance, generated instance, github	1							1052	1400
MejiaY20 MejiaY20 [435]	A self-tuning variable neighborhood search algorithm and an effective decoding scheme for open shop scheduling problems with travel/setup times		supplementary material, benchmark, generated instance	2							1053	1405
MengZRZL20 MengZRZL20 [439]	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem		benchmark, supplementary material	0							1054	1408
MokhtarzadehTNF20 MokhtarzadehTNF20 [447]	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach		generated instance, real-world	12							1055	1412
Polo-MejiaALB20 Polo-MejiaALB20 [510]	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility		Roadev, github	2							1056	1445
QinDCS20 QinDCS20 [519]	Combining mixed integer programming and constraint programming to solve the integrated scheduling problem of container handling operations of a single vessel		real-life, benchmark	0							1057	1448
RoshanaeiBAUB20 RoshanaeiBAUB20 [528]	Branch-and-check methods for multi-level operating room planning and scheduling		benchmark, generated instance, real-world	0							1058	1452
SacramentoSP20 SacramentoSP20 [533]	Constraint Programming and Local Search Heuristic: a Matheuristic Approach for Routing and Scheduling Feeder Vessels in Multi-terminal Ports		benchmark, real-life, zenodo, real-world	4							1059	1455
WallaceY20 WallaceY20 [634]	A new constraint programming model and solving for the cyclic hoist scheduling problem	MiniZinc	random instance, real-world, real-life, benchmark	2	DZN		y		CHSP		1060	1487
ZarandiASC20 ZarandiASC20 [661]	A state of the art review of intelligent scheduling		real-world, benchmark, real-life	0							1061	1495
ZouZ20 ZouZ20 [676]	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic		benchmark	3							1062	1503
ArkipovBL19 ArkipovBL19 [25]	An efficient pseudo-polynomial algorithm for finding a lower bound on the makespan for the Resource Constrained Project Scheduling Problem		benchmark	1							1063	1265
EdwardsBSE19 EdwardsBSE19 [194]	Symmetry breaking of identical projects in the high-multiplicity RCPSP/max			0							1064	No
EscobetPQPRA19 EscobetPQPRA19 [202]	Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach			1							1065	1318

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
GurEA19 GurEA19 [679]	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study		real-life	11							1066	1341
HoundjiSW19 HoundjiSW19 [320]	The item dependent stockingcost constraint		random instance, bit-bucket, benchmark	2							1067	1363
NattafDYW19 NattafDYW19 [469]	Parallel machine scheduling with time constraints on machine qualifications		benchmark	0							1068	1422
NattafHKAL19 NattafHKAL19 [470]	Polyhedral results and valid inequalities for the continuous energy-constrained scheduling problem		benchmark, real-life	0							1069	1423
NishikawaSTT19 NishikawaSTT19 [476]	A Constraint Programming Approach to Scheduling of Malleable Tasks		real-world, benchmark	0							1070	1424
Novas19 Novas19 [478]	Production scheduling and lot streaming at flexible job-shops environments using constraint programming		benchmark	0							1071	1426
WariZ19 WariZ19 [638]	A Constraint Programming model for food processing industry: a case for an ice cream processing facility			0							1072	No
WikarekS19 WikarekS19 [641]	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems			0							1073	1489
YounespourAKE19 YounespourAKE19 [652]	Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy		real-life, real-world	6							1074	1491
abs-1901-07914 abs-1901-07914 [77]	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks		benchmark, real-world, github	0							1075	1506
abs-1902-01193 abs-1902-01193 [14]	Solving Nurse Scheduling Problem Using Constraint Programming Technique			0							1076	1507
abs-1902-09244 abs-1902-09244 [286]	On constraint programming for a new flexible project scheduling problem with resource constraints		benchmark, industry partner, real-world	0							1077	1508
abs-1911-04766 abs-1911-04766 [237]	Investigating Constraint Programming and Hybrid Methods for Real World Industrial Test Laboratory Scheduling		real-world, benchmark, github, real-life, instance generator, generated instance, industrial partner	10							1078	1509
BaptisteB18 BaptisteB18 [46]	Redundant cumulative constraints to compute preemptive bounds			1							1079	1272
BorghesiBLMB18 BorghesiBLMB18 [116]	Scheduling-based power capping in high performance computing systems		benchmark, real-life	3							1080	1298
CauwelaertLS18 CauwelaertLS18 [142]	How efficient is a global constraint in practice? - A fair experimental framework		benchmark, bit-bucket	1							1081	1305
FahimiOQ18 FahimiOQ18 [207]	Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last	Choco	benchmark, random instance	0	(y)		n		RCPSp	disjunctive cumulative	1082	1321
GedikKEK18 GedikKEK18 [235]	A constraint programming approach for solving unrelated parallel machine scheduling problem		benchmark	9							1083	1331
GokgurHO18 GokgurHO18 [252]	Parallel machine scheduling with tool loading: a constraint programming approach		real-world, real-life	9							1084	1334

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
GoldwaserS18 GoldwaserS18 [254]	Optimal Torpedo Scheduling		github, generated instance, instance generator, benchmark	0							1085	1335
GombolayWS18 GombolayWS18 [256]	Fast Scheduling of Robot Teams Performing Tasks With Temporospacial Constraints		real-world, instance generator, benchmark	0							1086	1336
Ham18 Ham18 [277]	Integrated scheduling of m-truck, m-drone, and m-depot constrained by time-window, drop-pickup, and m-visit using constraint programming			7							1087	1345
Ham18a Ham18a [278]	Scheduling of Dual Resource Constrained Lithography Production: Using CP and MIP/CP		real-world	0							1088	1346
KreterSSZ18 KreterSSZ18 [368]	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems		benchmark	6							1089	1381
LaborieRSV18 LaborieRSV18 [376]	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	OP Opt	real-world, CSPlib, benchmark	3	-		-	-	-	-	1090	1385
PourDERB18 PourDERB18 [512]	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem		real-world, real-life, benchmark, generated instance	1							1091	1446
ShinBBHO18 ShinBBHO18 [557]	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling		real-world, github	4							1092	1464
TangLWSK18 TangLWSK18 [581]	Scheduling Optimization of Linear Schedule with Constraint Programming			0							1093	1472
TranPZLDB18 TranPZLDB18 [604]	Multi-stage resource-aware scheduling for data centers with heterogeneous servers		benchmark, generated instance	2							1094	1480
ZhangW18 ZhangW18 [667]	Flexible Assembly Job-Shop Scheduling With Sequence-Dependent Setup Times and Part Sharing in a Dynamic Environment: Constraint Programming Model, Mixed-Integer Programming Model, and Dispatching Rules		benchmark	0							1095	1499
GomesM17 GomesM17 [258]	Improved Combinatorial Benders Decomposition for a Scheduling Problem with Unrelated Parallel Machines			1							1096	1337
HookerH17 HookerH17 [318]	Constraint programming and operations research		real-world, real-life	1							1097	1361
KreterSS17 KreterSS17 [367]	Using constraint programming for solving RCPSP/max-cal	MiniZinc Chuffed Cplex	benchmark	5	dead			[366]	RCPSP	cumulative cumulativeCalend.	1098	1380
NattafAL17 NattafAL17 [467]	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions		real-world	2	n		n	-	CECSP	-	1099	1420
RoshanaeiLAU17 RoshanaeiLAU17 [529]	Propagating logic-based Benders' decomposition approaches for distributed operating room scheduling		real-world	1							1100	1453
RoshanaeiLAU17a RoshanaeiLAU17a [530]	Collaborative Operating Room Planning and Scheduling			0							1101	No
TranVNB17 TranVNB17 [606]	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots		real-world	0							1102	1481

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
BlomPS16 BlomPS16 [100]	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods		industry partner, benchmark	0							1103	1294
Bonfietti16 Bonfietti16 [106]	A constraint programming scheduling solver for the MPOpt programming environment		benchmark	10							1104	1296
BridiBLMB16 BridiBLMB16 [121]	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines		real-life, real-world	0							1105	1300
CireCH16 CireCH16 [151]	Logic-based Benders decomposition for planning and scheduling: a computational analysis			1							1106	1307
DoulabiRP16 DoulabiRP16 [191]	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling		real-world, generated instance	3							1107	1315
HamC16 HamC16 [280]	Flexible job shop scheduling problem with parallel batch processing machines: MIP and CP approaches		benchmark	2							1108	1347
HebrardHJMPV16 HebrardHJMPV16 [290]	Approximation of the parallel machine scheduling problem with additional unit resources		industrial partner	0							1109	1352
KuB16 KuB16 [369]	Mixed Integer Programming models for job shop scheduling: A computational analysis		benchmark	4							1110	1382
NattafALR16 NattafALR16 [468]	Energetic reasoning and mixed-integer linear programming for scheduling with a continuous resource and linear efficiency functions		generated instance	1							1111	1421
NovaraNH16 NovaraNH16 [477]	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation		CSPlib, benchmark	5							1112	1425
OrnekO16 OrnekO16 [488]	Optimisation and Constraint Based Heuristic Methods for Advanced Planning and Scheduling Systems		real-life, real-world	0							1113	1433
TranAB16 TranAB16 [601]	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups		benchmark	0							1114	1479
ZarandiKS16 ZarandiKS16 [660]	A constraint programming model for the scheduling of JIT cross-docking systems with preemption		real-world	0							1115	1496
BajestaniB15 BajestaniB15 [43]	A two-stage coupled algorithm for an integrated maintenance planning and flowshop scheduling problem with deteriorating machines		real-world	0							1116	1270
EvenSH15a EvenSH15a [205]	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling		real-world, real-life	2							1117	1320
GoelSHFS15 GoelSHFS15 [250]	Constraint programming for LNG ship scheduling and inventory management			0							1118	1332
GrimesH15 GrimesH15 [261]	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search		real-world, benchmark	0							1119	1338
Kameugne15 Kameugne15 [338]	Propagation techniques of resource constraint for cumulative scheduling	-		2	-		-	PhDThesis	RCPSP		1120	1371
LetortCB15 LetortCB15 [389]	Synchronized sweep algorithms for scalable scheduling constraints	Choco SICStus	generated instance, Roadev, benchmark, random instance	4	dead		-	[388]	-	cumulative dimCumulative dimCumulativePr	1121	1388
NattafAL15 NattafAL15 [466]	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Cplex	generated instance	1	n		n		CSCSP		1122	1419

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OzturkTHO15 OzturkTHO15 [678]	Cyclic scheduling of flexible mixed model assembly lines with parallel stations		real-life	24							1123	1438
SchnellH15 SchnellH15 [540]	On the efficient modeling and solution of the multi-mode resource-constrained project scheduling problem with generalized precedence relations		real-life, bench- mark, sup- plementary material	3							1124	1460
Siala15 Siala15 [558]	Search, propagation, and learning in sequencing and scheduling problems	-	real-world, github, bench- mark, ran- dom instance, Roadev, CSPLib	2	-		-	PhD Thesis			1125	1465
SimoninAHL15 SimoninAHL15 [562]	Scheduling scientific experiments for comet exploration	MOST Ilog Scheduler		0	n		n	[561]		cumulative dataTransfer	1126	1466
WangMD15 WangMD15 [637]	Scheduling operating theatres: Mixed integer programming vs. constraint programming		real-life, real- world	2							1127	1488
BlomBPS14 BlomBPS14 [99]	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines		industry part- ner, benchmark	0							1128	1293
BonfiettiLBM14 BonfiettiLBM14 [109]	CROSS cyclic resource-constrained scheduling solver		benchmark, real-world, gen- erated instance, industrial in- stance	0							1129	1297
GrimesIOS14 GrimesIOS14 [263]	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling		real-world, real- life	9							1130	1339
HarjunkoskiMBC14 Har- junkoskiMBC14 [283]	Scope for industrial applications of production scheduling models and solution methods		real-life, bench- mark, real- world	3							1131	1350
KameugneFSN14 KameugneFSN14 [342]	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Gecode	benchmark, ran- dom instance	2	y			[341]	CuSP	cumulative	1132	1372
Novash14 Novash14 [481]	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming		benchmark	0							1133	1429
TerekhovTDB14 TerekhovTDB14 [588]	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems		real-world	0							1134	1474
ThiruvadyWGS14 ThiruvadyWGS14 [592]	A Lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows		benchmark	0							1135	1475
BajestaniB13 BajestaniB13 [42]	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources			0							1136	1269
BegB13 BegB13 [75]	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures		benchmark	0							1137	1284
HeinzSB13 HeinzSB13 [298]	Using dual presolving reductions to reformulate cumulative constraints	Cplex SCIP	benchmark	1	ref		-	-	RCPSP RCPSP/max	cumulative	1138	1355
LombardiMB13 LombardiMB13 [411]	Robust Scheduling of Task Graphs under Execution Time Uncertainty		benchmark, real-world	0							1139	1395
MenciaSV13 MenciaSV13 [438]	Intensified iterative deepening A* with application to job shop scheduling		real-life, supple- mentary mate- rial, benchmark	0							1140	1407
OzturkTHO13 OzturkTHO13 [495]	Balancing and scheduling of flexible mixed model assembly lines	Ilog Solver Ilog Scheduler Cplex	real-world, real- life	2	y		-	-	SBSFMMAL	alddifferent disjunctive	1141	1437

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SchuttFSW13 SchuttFSW13 [548]	Solving RCPSP/max by lazy clause generation		supplementary material, benchmark	6							1142	1462
GuyonLPR12 GuyonLPR12 [274]	Solving an integrated job-shop problem with human resource constraints		generated instance, benchmark, instance generator	0							1143	1343
HeinzSSW12 HeinzSSW12 [296]	Solving steel mill slab design problems		real-world, CSPLib	2	Cplex		dead	-	SMSDP	-	1144	1356
LimtanyakulS12 LimtanyakulS12 [397]	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Cplex Ilog Scheduler	real-life, generated instance, industrial partner, benchmark, random instance	1	dead		-	-			1145	1391
LombardiM12 LombardiM12 [409]	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	-	real-world, benchmark	0	-		-	-	survey	-	1146	1393
LombardiM12a LombardiM12a [408]	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling		benchmark	1							1147	1394
MalapertCGJLR12 MalapertCGJLR12 [425]	An Optimal Constraint Programming Approach to the Open-Shop Problem		benchmark	3							1148	1401
MenciaSV12 MenciaSV12 [437]	Depth-first heuristic search for the job shop scheduling problem		real-life, benchmark	1							1149	1406
NovasH12 NovasH12 [480]	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations			0							1150	1428
OzturkTHO12 OzturkTHO12 [677]	A Constraint Programming Model for Balancing and Scheduling of Flexible Mixed Model Assembly Lines with Parallel Stations			0							1151	1436
TerekhovDOB12 TerekhovDOB12 [587]	Solving two-machine assembly scheduling problems with inventory constraints		real-life	2							1152	1473
ZarandiB12 ZarandiB12 [214]	Using Logic-Based Benders Decomposition to Solve the Capacity- and Distance-Constrained Plant Location Problem			0							1153	No
BandaSC11 BandaSC11 [171]	Solving Talent Scheduling with Dynamic Programming		benchmark, CSPLib, random instance	0							1154	1271
BartakS11 BartakS11 [57]	Constraint satisfaction for planning and scheduling problems	-	random instance, real-world, real-life	2	-		-		survey		1155	1275
BeckFW11 BeckFW11 [66]	Combining Constraint Programming and Local Search for Job-Shop Scheduling		benchmark, real-world	0							1156	1280
BeldiceanuCDP11 BeldiceanuCDP11 [80]	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles		benchmark	1							1157	1286
BeniniLMR11 BeniniLMR11 [90]	Optimal resource allocation and scheduling for the CELL BE platform		real-world, benchmark, instance generator	0							1158	1289
CobanH11 CobanH11 [154]	Single-facility scheduling by logic-based Benders decomposition		random instance	0							1159	1308
EdisO11a EdisO11a [193]	A combined integer/constraint programming approach to a resource-constrained parallel machine scheduling problem with machine eligibility restrictions			0							1160	No
HachemiGR11 HachemiGR11 [276]	A hybrid constraint programming approach to the log-truck scheduling problem			1							1161	1344

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HeckmanB11	Understanding the behavior of Solution-Guided Search for job-shop scheduling		real-world, benchmark	0							1162	1353
HeckmanB11 [293]												
KelbelH11	Solving production scheduling with earliness/tardiness penalties by constraint programming		generated instance, benchmark, random instance	3							1163	1373
KelbelH11 [345]												
KovacsB11	A global constraint for total weighted completion time for unary resources	Ilog Scheduler	benchmark	2	n		n	-		Completion	1164	1378
KovacsB11 [360]												
KovacsK11	Constraint programming approach to a bilevel scheduling problem	Ilog Solver		2	n		n	-	Bilevel Opt		1165	1379
KovacsK11 [362]												
SchausHMCMD11	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Comet	benchmark, CSPLib, generated instance	3	dead				SMSDP		1166	1458
SchausHMCMD11 [538]												
SchuttFSW11	Explaining the cumulative propagator	MiniZinc	real-world, benchmark	7	PSPLib		-	-	RCPSP	cumulative	1167	1461
SchuttFSW11 [547]												
TopalogluO11	A constraint programming-based solution approach for medical resident scheduling problems		real-life	2							1168	1477
TopalogluO11 [597]												
TrojetHL11	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework		real-world	2							1169	1482
TrojetHL11 [609]												
BartakCS10	Discovering implied constraints in precedence graphs with alternatives		real-life, benchmark, real-world	3							1170	1274
BartakCS10 [56]												
BartakSR10	New trends in constraint satisfaction, planning, and scheduling: a survey		real-life, real-world	0							1171	1276
BartakSR10 [58]												
ChenGPSH10	Technology and system of constraint programming for industry production scheduling — Part I: A brief survey and potential directions		real-life	0							1172	1306
ChenGPSH10 [147]												
LombardiM10a	Allocation and scheduling of Conditional Task Graphs		benchmark, real-life, real-world	3							1173	1392
LombardiM10a [406]												
LombardiMRB10	Stochastic allocation and scheduling for conditional task graphs in multi-processor systems-on-chip		real-world, real-life, benchmark	15							1174	1396
LombardiMRB10 [412]												
LopesCSM10	A hybrid model for a multiproduct pipeline planning and scheduling problem	Ilog Solver	benchmark, real-world	2	-		-	[454, 453]			1175	1397
LopesCSM10 [413]												
NovashH10	Reactive scheduling framework based on domain knowledge and constraint programming			0							1176	1427
NovashH10 [479]												
OzturkTHO10	Simultaneous Balancing and Scheduling of Flexible Mixed Model Assembly Lines with Sequence-Dependent Setup Times			0							1177	1435
OzturkTHO10 [494]												
ZeballosQH10	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations		real-world, benchmark	4							1178	1498
ZeballosQH10 [663]												
abs-1009-0347	Solving the Resource Constrained Project Scheduling Problem with Generalized Precedences by Lazy Clause Generation		benchmark, instance generator	0							1179	1505
abs-1009-0347 [546]												
BidotVLB09	A theoretic and practical framework for scheduling in a stochastic environment		real-world, real-life	0							1180	1291
BidotVLB09 [94]												
BocewiczBB09	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling			0							1181	1295
BocewiczBB09 [101]												
CarchraeB09	Principles for the Design of Large Neighborhood Search		benchmark, real-world	2							1182	1303
CarchraeB09 [132]												

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
GarridoAO09 GarridoAO09 [229]	A constraint programming formulation for planning: from plan scheduling to plan generation		benchmark	8							1183	1329
Jans09 Jans09 [328]	Solving Lot-Sizing Problems on Parallel Identical Machines Using Symmetry-Breaking Constraints		benchmark	27							1184	1368
MilanoW09 MilanoW09 [445]	Integrating Operations Research in Constraint Programming		benchmark	7							1185	1411
OhrimenkoSC09 OhrimenkoSC09 [487]	Propagation via lazy clause generation		benchmark	8							1186	1432
RuggieroBBMA09 RuggieroBBMA09 [532]	Reducing the Abstraction and Optimality Gaps in the Allocation and Scheduling for Variable Voltage/Frequency MPSoC Platforms		instance generator, real-life	0							1187	1454
WuBB09 WuBB09 [650]	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints		real-world	0							1188	1490
abs-0907-0939 abs-0907-0939 [506]	The Soft Cumulative Constraint		real-world	0							1189	1504
GarridoOS08 GarridoOS08 [230]	Planning and scheduling in an e-learning environment. A constraint-programming-based approach		real-world	0							1190	1330
KovacsB08 KovacsB08 [359]	A global constraint for total weighted completion time for cumulative resources		benchmark	0							1191	1377
LiW08 LiW08 [390]	Scheduling projects with multi-skilled personnel by a hybrid MILP/CP benders decomposition algorithm		real-world	1							1192	1389
LiessM08 LiessM08 [392]	A constraint programming approach for the resource-constrained project scheduling problem		benchmark	0							1193	1390
MalikMB08 MalikMB08 [429]	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming		benchmark	0							1194	1402
MercierH08 MercierH08 [440]	Edge Finding for Cumulative Scheduling			0							1195	1409
Beck07 Beck07 [64]	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling		benchmark	0							1196	1277
BeckW07 BeckW07 [73]	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations		benchmark	0							1197	1282
CorreaLR07 CorreaLR07 [159]	Scheduling and routing of automated guided vehicles: A hybrid approach		real-world	0							1198	1310
Hooker07 Hooker07 [313]	Planning and Scheduling by Logic-Based Benders Decomposition		random instance, generated instance	0							1199	1360
Rodriguez07 Rodriguez07 [527]	A constraint programming model for real-time train scheduling at junctions		real-life	2							1200	1450
Simonis07 Simonis07 [566]	Models for Global Constraint Applications	CHIP		0	n		n			cumulative diffn cycle inverse cumulative	1201	1467
Hooker06 Hooker06 [312]	An Integrated Method for Planning and Scheduling to Minimize Tardiness	OPL Cplex Ilog Scheduler	random instance	2	n		n	[311]	CuSP		1202	1359
KhayatLR06 KhayatLR06 [347]	Integrated production and material handling scheduling using mathematical programming and constraint programming		real-life, benchmark	1							1203	1374
MilanoW06 MilanoW06 [444]	Integrating operations research in constraint programming		benchmark	0							1204	1410

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench		Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
SadykovW06 SadykovW06 [535]	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates		generated instance	in-	1							1205	1456
SureshMOK06 SureshMOK06 [575]	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach				0							1206	1471
DemasseyAM05 DemasseyAM05 [177]	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem		benchmark		2							1207	1313
Hooker05 Hooker05 [310]	A Hybrid Method for the Planning and Scheduling	OPL Cplex Ilog Scheduler	random instance		0	n		n	[309]	CuSP	cumulative	1208	1358
VilimBC05 VilimBC05 [627]	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities		benchmark, real-life		0	n		n	[626]	JSSP	disjunctive	1209	1484
ZeballosH05 ZeballosH05 [662]	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources				0							1210	1497
PoderBS04 PoderBS04 [508]	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption				0							1211	1443
BeckR03 BeckR03 [70]	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs		benchmark		0							1212	1281
HookerO03 HookerO03 [317]	Logic-based Benders decomposition		generated instance	in-	0							1213	1362
KuchcinskiW03 KuchcinskiW03 [370]	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming		benchmark		0							1214	1383
Laborie03 Laborie03 [373]	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results		benchmark		0							1215	1384
Tsang03 Tsang03 [610]	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems		real-life		0							1216	1483
HarjunkskiG02 HarjunkskiG02 [282]	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods				0							1217	1349
LorigeonBB02 LorigeonBB02 [415]	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint				0							1218	1399
MilanoORT02 MilanoORT02 [443]	The Role of Integer Programming Techniques in Constraint Programming's Global Constraints				0							1219	No
RodriguezDG02 RodriguezDG02 [526]	Railway infrastructure saturation using constraint programming approach				0							1220	1451
Timpe02 Timpe02 [595]	Solving planning and scheduling problems with combined integer and constraint programming				0							1221	1476
JainG01 JainG01 [327]	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems				0							1222	1366
MartinPY01 MartinPY01 [431]	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application		real-life		0							1223	1403
Mason01 Mason01 [433]	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling				0							1224	1404

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
ArtiguesR00 ArtiguesR00 [33]	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes			0							1225	1266
BaptisteP00 BaptisteP00 [49]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	CLAIRE	benchmark	0	n		n		RCCSP	cumulative	1226	1273
BeckF00 BeckF00 [68]	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics		real-world, benchmark	0							1227	1278
HeipckeCCS00 HeipckeCCS00 [301]	Scheduling under Labour Resource Constraints	COME SchedEns	benchmark, instance generator	0	dead		n	-			1228	1357
KorbaaYG00 KorbaaYG00 [356]	Solving Transient Scheduling Problems with Constraint Programming			0							1229	1376
LopezAKYG00 LopezAKYG00 [414]	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina			0							1230	1398
SakkoutW00 SakkoutW00 [536]	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Cplex ECLiPSe	benchmark, real-world	0	n		n	-	KRFP		1231	1457
SchildW00 SchildW00 [539]	Scheduling of Time-Triggered Real-Time Systems	OZ		0	n		n	-		disjunctive	1232	1459
SimonisCK00 SimonisCK00 [567]	Constraint Handling in an Integrated Transportation Problem			0							1233	1468
SourdN00 SourdN00 [570]	Multiple-Machine Lower Bounds for Shop-Scheduling Problems		real-life, benchmark	1							1234	1469
TorresL00 TorresL00 [598]	On Not-First/Not-Last conditions in disjunctive scheduling		benchmark	0							1235	1478
BensanaLV99 BensanaLV99 [91]	Earth Observation Satellite Management	Ilog Solver	benchmark	0	?		-	-			1236	1290
JainM99 JainM99 [326]	Deterministic job-shop scheduling: Past, present and future		benchmark, real-world, real-life	0							1237	1367
BeckF98 BeckF98 [67]	A Generic Framework for Constraint-Directed Search and Scheduling		real-world, benchmark	0							1238	1279
BelhadjiI98 BelhadjiI98 [83]	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	-	real-life	0	n		n	-	TCSP JSSP		1239	1287
NuijtenP98 NuijtenP98 [483]	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler		real-life	0							1240	1431
PapaB98 PapaB98 [499]	Resource Constraints for Preemptive Job-shop Scheduling	Ilog Solver	benchmark	0	dead		-	-	PJSSP	disjunctive flow	1241	1440
Darby-DowmanLMZ97 Darby-DowmanLMZ97 [164]	Constraint Logic Programming and Integer Programming Approaches and Their Collaboration in Solving an Assignment Scheduling Problem	Claire Cplex ECLiPSe	real-life, real-world, benchmark	0	n		n	-	MGAP		1242	1312
FalaschiGMP97 FalaschiGMP97 [209]	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators			0							1243	1322
LammaMM97 LammaMM97 [381]	A distributed constraint-based scheduler		real-life	0							1244	1387
Zhou97 Zhou97 [670]	A Permutation-Based Approach for Solving the Job-Shop Problem	-	benchmark	0	n		n	[669]	JSSP	sort alldifferent permutation	1245	1501
BlazewiczDP96 BlazewiczDP96 [126]	The job shop scheduling problem: Conventional and new solution techniques		benchmark	0							1246	1292
NuijtenA96 NuijtenA96 [484]	A computational study of constraint satisfaction for multiple capacitated job shop scheduling			0							1247	1430
Wallace96 Wallace96 [632]	Practical Applications of Constraint Programming	-		0	-		-	-	Survey	-	1248	1486

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
BeldiceanuC94 BeldiceanuC94 [78]	Introducing Global Constraints in CHIP		real-world, real-life, benchmark	0							1249	1285
Pape94 Pape94 [497]	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems			0							1250	1441
AggounB93 AggounB93 [9]	Extending CHIP in order to solve complex scheduling and placement problems		real-world	0							1251	1261
Tay92 Tay92 [585]	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling			0							1252	No
DincbasSH90 DincbasSH90 [185]	Solving Large Combinatorial Problems in Logic Programming		real-life	0							1253	1314

4 Authors

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
J. Christopher Beck	49	701	LuoB22 [420], ZhangBB22 [665], TangB20 [580], RoshanaeiBAUB20 [528], TranPZLDB18 [604], TranVNB17 [606], TranVNB17a [607], CohenHB17 [155], BoothNB16 [115], KuB16 [369], TranAB16 [601], TranWDRFOVB16 [608], LuoVLBM16 [419], TranDRFWOVB16 [603], BajestaniB15 [43], KoschB14 [357], TerekhovTDB14 [588], LouieVNB14 [416], HeinzSB13 [298], HeinzKB13 [295], BajestaniB13 [42], TranTDB13 [605], HeinzB12 [294], TerekhovDOB12 [587], TranB12 [602], ZarandiB12 [214], KovacsB11 [360], BeckFW11 [66], HeckmanB11 [293], BajestaniB11 [41], WuBB09 [650], BidotVLB09 [94], CarchraeB09 [132], WatsonB08 [639], KovacsB08 [359], BeckW07 [73], Beck07 [64], KovacsB07 [358], Beck06 [63], CarchraeBF05 [133], WuBB05 [649], BeckW05 [72], BeckW04 [71], BeckR03 [70], BeckPS03 [69], BeckF00 [68], Beck99 [62], BeckF98 [67], BeckDF97 [65]
Michela Milano	31	297	BorghesiBLMB18 [116], BonfiettiZLM16 [113], BridiBLMB16 [121], BridiLBBM16 [122], LombardiBM15 [403], BartoliniBBLM14 [60], BonfiettiLM14 [111], BonfiettiLBM14 [109], BonfiettiLM13 [110], LombardiM13 [410], LombardiMB13 [411], LombardiM12 [409], BonfiettiLBM12 [108], LombardiM12a [408], BonfiettiM12 [112], BonfiettiLBM11 [107], LombardiBMB11 [404], BeniniLMR11 [90], Milano11 [442], LombardiM10 [407], LombardiM10a [406], LombardiMRB10 [412], LombardiM09 [405], RuggieroBBMA09 [532], MilanoW09 [445], BeniniLMR08 [89], BeniniBGM06 [88], MilanoW06 [444], MilanoORT02 [443], LammaMM97 [381], BrusoniCLMMT96 [124]
Andreas Schutt	27	322	YangSS19 [651], KreterSSZ18 [368], GoldwaserS18 [254], MusliuSS18 [459], KreterSS17 [367], YoungFS17 [653], GoldwaserS17 [253], SchuttS16 [550], SzerediS16 [577], KreterSS15 [366], EvenSH15 [204], EvenSH15a [205], SchuttFSW15 [549], ThiruvadyWGS14 [592], GuSSWC14 [269], SchuttFS13 [544], SchuttFS13a [543], GuSS13 [268], SchuttFSW13 [548], ChuGNSW13 [148], SchuttCSW12 [542], SchuttFSW11 [547], Schutt11 [541], SchuttW10 [551], abs-1009-0347 [546], SchuttFSW09 [545], SchuttWS05 [552]
Peter J. Stuckey	25	455	GokGSTO20 [251], YangSS19 [651], DemirovicS18 [178], KreterSSZ18 [368], MusliuSS18 [459], KreterSS17 [367], SchuttS16 [550], BlomPS16 [100], KreterSS15 [366], BurtLPS15 [125], SchuttFSW15 [549], BlomBPS14 [99], LipovetzkyBPS14 [398], GuSSWC14 [269], SchuttFS13 [544], SchuttFS13a [543], GuSS13 [268], SchuttFSW13 [548], SchuttCSW12 [542], GuSW12 [270], SchuttFSW11 [547], BandaSC11 [171], abs-1009-0347 [546], SchuttFSW09 [545], OhrimenkoSC09 [487]
Michele Lombardi	25	194	BorghesiBLMB18 [116], CauwelaertLS18 [142], BonfiettiZLM16 [113], BridiBLMB16 [121], BridiLBBM16 [122], LombardiBM15 [403], BartoliniBLM14 [60], BonfiettiLM14 [111], BonfiettiLBM14 [109], BonfiettiLM13 [110], LombardiM13 [410], LombardiMB13 [411], LombardiM12 [409], BonfiettiLBM12 [108], LombardiM12a [408], BonfiettiLBM11 [107], LombardiBMB11 [404], BeniniLMR11 [90], LombardiM10 [407], LombardiM10a [406], LombardiMRB10 [412], LombardiM09 [405], BeniniLMR08 [89], HoeveGSL07 [616]
John N. Hooker	19	1316	ElciOH22 [196], Hooker19 [316], Hooker17 [315], HookerH17 [318], HechingH16 [292], CireCH16 [151], HarjunkoskiMBC14 [283], CireCH13 [150], CobanH11 [154], CobanH10 [153], Hooker10 [314], Hooker07 [313], Hooker06 [312], Hooker05 [310], Hooker05a [311], Hooker04 [309], HookerO03 [317], HookerY02 [319], Hooker00 [308]
Emmanuel Hebrard	17	71	JuvinHHL23 [332], HebrardALLCMR22 [289], AntuoriHHEN21 [22], ArtiguesHQT21 [32], GodetLHS20 [249], AntuoriHHEN20 [21], HebrardHJMPV16 [290], SimoninAHL15 [562], SialaAH15 [560], GrimesH15 [261], BessiereHMQW14 [93], SimoninAHL12 [561], BillautHL12 [95], GrimesH11 [260], GrimesH10 [259], GrimesHM09 [262], HebrardTW05 [291]
Pierre Lopez	17	90	JuvinHHL23 [332], JuvinHL23a [335], JuvinHL23 [334], HebrardALLCMR22 [289], JuvinHL22 [333], Polo-MejiaALB20 [510], NattafHKAL19 [470], NattafAL17 [467], NattafALR16 [468], SimoninAHL15 [562], NattafAL15 [466], SimoninAHL12 [561], BillautHL12 [95], LahimerLH11 [379], TrojetHL11 [609], LopezAKYG00 [414], TorresL00 [598]
Christian Artigues	16	203	PovedaAA23 [513], PohlAK22 [509], HebrardALLCMR22 [289], ArtiguesHQT21 [32], Polo-MejiaALB20 [510], NattafHKAL19 [470], NattafAL17 [467], NattafALR16 [468], SimoninAHL15 [562], NattafAL15 [466], SialaAH15 [560], SimoninAHL12 [561], NeronABCDD06 [485], DemasseyAM05 [177], ArtiguesBF04 [30], ArtiguesR00 [33]
Pierre Schaus	15	79	CauwelaertDS20 [143], ThomasKS20 [593], HoundjiSW19 [320], CappartTSR18 [131], CauwelaertLS18 [142], CappartS17 [130], CauwelaertDMS16 [141], DejemeppeCS15 [174], GayHLS15 [231], GayHS15 [232], GayHS15a [233], HoundjiSWD14 [321], GayS14 [234], SchausHMCMD11 [538], SchausD08 [537]
Helmut Simonis	15	154	ArmstrongGOS22 [27], ArmstrongGOS21 [26], AntunesABD20 [20], AntunesABD18 [19], HurleyOS16 [323], GrimesIOS14 [263], IfrimOS12 [324], SimonisH11 [569], Simonis07 [566], SimonisCK00 [567], Simonis99 [565], SimonisC95 [568], Simonis95 [563], Simonis95a [563], DincbasSH90 [185]
Nicolas Beldiceanu	13	274	Madi-WambaLOBM17 [422], Madi-WambaB16 [421], LetortCB15 [389], LetortCB13 [388], LetortBC12 [387], ClercqPBJ11 [152], BeldiceanuCDP11 [80], BeldiceanuCP08 [81], PoderB08 [507], BeldiceanuP07 [82], PoderBS04 [508], BeldiceanuC02 [79], AggounB93 [9]
Luca Benini	13	146	BorghesiBLMB18 [116], BridiBLMB16 [121], BridiLBBM16 [122], BonfiettiLBM14 [109], LombardiMB13 [411], BonfiettiLBM12 [108], BonfiettiLBM11 [107], LombardiBMB11 [404], BeniniLMR11 [90], LombardiMRB10 [412], RuggieroBBMA09 [532], BeniniLMR08 [89], BeniniBGM06 [88]
Philippe Laborie	12	513	LunardiBLRV20 [417], LaborieRSV18 [376], Laborie18a [375], MelgarejoLS15 [11], VilimLS15 [628], Laborie09 [374], BidotVLB09 [94], BaptisteLPN06 [47], NeronABCDD06 [485], GodardLN05 [247], Laborie03 [373], FocacciLN00 [216]
Philippe Baptiste	11	403	BaptisteB18 [46], Baptiste09 [45], BaptisteLPN06 [47], NeronABCDD06 [485], ArtiouchineB05 [34], Baptiste02 [44], BaptistePN01 [50], BaptisteP00 [49], PapaB98 [499], BaptisteP97 [48], PapeB97 [498]
Roman Barták	11	88	SvancaraB22 [576], JelinekB16 [329], BartakV15 [59], Bartak14 [55], BartakS11 [57], BartakCS10 [56], BartakSR10 [58], VilimBC05 [627], VilimBC04 [626], Bartak02 [54], Bartak02a [53]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Petr Vilím	11	313	LaborieRSV18 [376], VilimLS15 [628], Vilim11 [625], Vilim09 [623], Vilim09a [624], VilimBC05 [627], Vilim05 [622], VilimBC04 [626], Vilim04 [621], Vilim03 [620], Vilim02 [619]
Mark Wallace	11	296	WallaceY20 [634], HeOGLW18 [288], ThiruvadyWGS14 [592], SchuttFSW09 [545], MilanoW09 [445], MilanoW06 [444], Wallace06 [633], SakkoutW00 [536], RodosekW98 [525], Wallace96 [632], Wallace94 [631]
Alessio Bonfietti	10	17	BonfiettiZLM16 [113], Bonfietti16 [106], LombardiBM15 [403], BonfiettiLM14 [111], BonfiettiLBM14 [109], BonfiettiLM13 [110], BonfiettiLBM12 [108], BonfiettiM12 [112], BonfiettiLBM11 [107], LombardiBMB11 [404]
Margaux Nattaf	10	49	BonninMNE24 [114], PenzDN23 [502], NattafM20 [471], MalapertN19 [427], NattafDYW19 [469], NattafHKAL19 [470], NattafAL17 [467], Nattaf16 [465], NattafALR16 [468], NattafAL15 [466]
Pascal Van Hentenryck	10	164	FontaineMH16 [217], EvenSH15 [204], EvenSH15a [205], SchausHMCMD11 [538], MonetteDH09 [449], DoomsH08 [187], HentenryckM08 [303], MercierH08 [440], HentenryckM04 [302], DincbasSH90 [185]
Claude Le Pape	9	536	BaptisteLPN06 [47], DannaP04 [162], BaptistePN01 [50], BaptisteP00 [49], PapaB98 [499], NuijtenP98 [483], BaptisteP97 [48], PapeB97 [498], Pape94 [497]
Nysret Musliu	9	14	LacknerMMWW23 [378], WinterMMW22 [642], LacknerMMWW21 [377], GeibingerKKMMW21 [236], GeibingerMM21 [239], GeibingerMM19 [238], abs-1911-04766 [237], MusliuSS18 [459], KletzanderM17 [351]
Claude-Guy Quimper	9	25	BoudreaultSLQ22 [118], OuelletQ22 [492], Mercier-AubinGQ20 [441], FahimiOQ18 [207], KameugneFGOQ18 [339], OuelletQ18 [491], GingrasQ16 [246], BessiereHMQW14 [93], OuelletQ13 [490]
Tony T. Tran	9	108	TranPZLDB18 [604], TranVNB17 [606], TranVNB17a [607], TranAB16 [601], TranWDRFOVB16 [608], TranDRFWOVB16 [603], TerekhovTDB14 [588], TranTDB13 [605], TranB12 [602]
Mats Carlsson	8	80	WessenCS20 [640], MossigeGSMC17 [452], LetortCB15 [389], LetortCB13 [388], LetortBC12 [387], BeldiceanuCDP11 [80], BeldiceanuCP08 [81], BeldiceanuC02 [79]
Thibaut Feydy	8	173	YoungFS17 [653], SchuttFSW15 [549], SchuttFS13 [544], SchuttFS13a [543], SchuttFSW13 [548], SchuttFSW11 [547], abs-1009-0347 [546], SchuttFSW09 [545]
Mark G. Wallace	8	135	SchuttFSW15 [549], GuSSWC14 [269], SchuttFSW13 [548], SchuttCSW12 [542], GuSW12 [270], SchuttFSW11 [547], abs-1009-0347 [546], AjiliW04 [12]
Louis-Martin Rousseau	8	126	CappartTSR18 [131], DoulabiRP16 [191], PesantRR15 [505], DoulabiRP14 [190], MalapertCGJLR13 [426], MalapertCGJLR12 [425], ChapadosJR11 [146], HachemiGR11 [276]
Armin Wolf	8	46	GeitzGSSW22 [240], Wolf11 [645], SchuttW10 [551], Wolf09 [647], WolfS05 [646], SchuttWS05 [552], Wolf05 [644], Wolf03 [643]
Diarmuid Grimes	7	52	AntunesABD20 [20], AntunesABD18 [19], GrimesH15 [261], GrimesIOS14 [263], GrimesH11 [260], GrimesH10 [259], GrimesHM09 [262]
Zdenek Hanzálek	7	27	Mehdizadeh-Somarin23 [434], abs-2305-19888 [300], HeinzNVH22 [299], VlKHT21 [630], BenediktSMVH18 [87], BenediktSMVH18 [87], KelbelH11 [345]
Roger Kameugne	7	14	KameugneFND23 [340], ThomasKS20 [593], KameugneFGOQ18 [339], Kameugne15 [338], KameugneFNS14 [342], Kameugne14 [337], KameugneFSN11 [341]
András Kovács	7	21	KovacsB11 [360], KovacsK11 [362], KovacsB08 [359], KovacsB07 [358], KovacsV06 [364], KovacsEKV05 [361], KovacsV04 [363]
Arnaud Malapert	7	39	BonninMNE24 [114], NattafM20 [471], MalapertN19 [427], MalapertCGJLR13 [426], MalapertCGJLR12 [425], Malapert11 [424], GrimesHM09 [262]
Barry O’Sullivan	7	14	ArmstrongGOS22 [27], ArmstrongGOS21 [26], AntunesABD20 [20], AntunesABD18 [19], HurleyOS16 [323], GrimesIOS14 [263], IfrimOS12 [324]
Cemalettin Ozturk	7	18	GokPTGO23 [275], OrnekOS20 [489], AntunesABD20 [20], GokGSTO20 [251], AntunesABD18 [19], OrnekO16 [488], OzturkTHO10 [494]
Gabriela P. Henning	7	153	NovaraNH16 [477], NovasH14 [481], NovasH12 [480], NovasH10 [479], ZeballosQH10 [663], ZeballosH05 [662], QuirogaZH05 [521]
Yves Deville	6	19	HoundjiSWD14 [321], DejemeppeD14 [175], SchausHMCMD11 [538], MonetteDH09 [449], SchausD08 [537], MonetteDD07 [448]
Stefan Heinz	6	67	HeinzSB13 [298], HeinzKB13 [295], HeinzSSW12 [296], HeinzB12 [294], HeinzS11 [297], BertholdHLM10 [92]
Wim Nuijten	6	375	BaptisteLPN06 [47], GodardLN05 [247], BaptistePN01 [50], SourdN00 [570], FocacciLN00 [216], NuijtenP98 [483]
Erwin Pesch	6	417	MullerMKP22 [455], BlazewiczEP19 [97], DomdorfPH03 [186], DorndorfPH99 [189], DorndorfPH99 [188], BlazewiczDP96 [126]
Emmanuel Poder	6	27	BeldiceanuCDP11 [80], abs-0907-0939 [506], BeldiceanuCP08 [81], PoderB08 [507], BeldiceanuP07 [82], PoderBS04 [508]
Vahid Roshanaei	6	168	NaderiRR23 [464], NaderiR22 [462], NaderiRBAU21 [463], RoshanaeiBAUB20 [528], RoshanaeiLAU17 [529], RoshanaeiLAU17a [530]
Cyrille Dejemeppe	5	8	CauwelaertDS20 [143], CauwelaertDMS16 [141], Dejemeppe16 [173], DejemeppeCS15 [174], DejemeppeD14 [175]
Sophie Demasse	5	82	HermenierDL11 [304], BeldiceanuCDP11 [80], NeronABCDD06 [485], DemasseAM05 [177], Demasse03 [176]
Ignacio E. Grossmann	5	844	HarjunkskiMBC14 [283], CastroGR10 [139], MaraveliasG04 [430], HarjunkskiG02 [282], JainG01 [327]
Hanyu Gu	5	39	EtminaniefahaniGNMS22 [203], ThiruvadyWGS14 [592], GuSSWC14 [269], GuSS13 [268], GuSW12 [270]
Brahim Hnich	5	110	GokgurHO18 [252], OzturkTHO15 [678], OzturkTHO13 [495], OzturkTHO10 [494], RossiTHP07 [531]
Narendra Jussien	5	36	MalapertCGJLR13 [426], MalapertCGJLR12 [425], ClercqPB11 [152], ElkhyariGJ02 [198], ElkhyariGJ02a [199]
Juan M. Novas	5	148	Novas19 [478], NovaraNH16 [477], NovasH14 [481], NovasH12 [480], NovasH10 [479]
Kenneth N. Brown	5	44	AntunesABD20 [20], AntunesABD18 [19], MurphyMB15 [457], WuBB09 [650], WuBB05 [649]
Bahman Naderi	5	32	NaderiRR23 [464], NaderiBZ22 [461], NaderiBZ22a [460], NaderiR22 [462], NaderiRBAU21 [463]
Mohamed Siala	5	9	AntunesABD20 [20], AntunesABD18 [19], Siala15 [558], SialaAH15 [560], Siala15a [559]
Marek VlK	5	14	abs-2305-19888 [300], HeinzNVH22 [299], VlKHT21 [630], BenediktSMVH18 [87], BartakV15 [59]
Nic Wilson	5	28	AntunesABD20 [20], AntunesABD18 [19], BeckW07 [73], BeckW05 [72], BeckW04 [71]
André A. Ciré	4	50	CireCH13 [150], LopesCSM10 [413], MouraSCL08 [454], MouraSCL08a [453]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Andrea Bartolini	4	40	BorghesiBLMB18 [116], BridiBLMB16 [121], BridiLBBM16 [122], BartoliniBBLM14 [60]
Geoffrey Chu	4	47	GuSSWC14 [269], ChuGNSW13 [148], SchuttCSW12 [542], BandaSC11 [171]
Elvin Coban	4	41	CireCH16 [151], CireCH13 [150], CobanH11 [154], CobanH10 [153]
Steven Gay	4	42	GayHLS15 [231], GayHS15 [232], GayHS15a [233], GaySS14 [234]
Tobias Geibinger	4	6	GeibingerKKMMW21 [236], GeibingerMM21 [239], GeibingerMM19 [238], abs-1911-04766 [237]
Christelle Guéret	4	33	MalapertCGJLR13 [426], MalapertCGJLR12 [425], ElkhyariGJ02 [198], ElkhyariGJ02a [199]
Laurent Houssin	4	0	JuvinHHL23 [332], JuvinHL23a [335], JuvinHL23 [334], JuvinHL22 [333]
Carla Juvin	4	0	JuvinHHL23 [332], JuvinHL23a [335], JuvinHL23 [334], JuvinHL22 [333]
Tamás Kis	4	11	NattafHKAL19 [470], KovacsK11 [362], KeriK07 [346], KovacsEKV05 [361]
Arnaud Letort	4	23	LetortCB15 [389], LetortCB13 [388], Letort13 [386], LetortBC12 [387]
Dionne M. Aleman	4	161	NaderiRBAU21 [463], RoshanaeiBAUB20 [528], RoshanaeiLAU17 [529], RoshanaeiLAU17a [530]
Laurent Michel	4	39	TardivoDFMP23 [582], SchausHMCMD11 [538], HentenryckM08 [303], HentenryckM04 [302]
Florian Mischek	4	6	GeibingerKKMMW21 [236], GeibingerMM21 [239], GeibingerMM19 [238], abs-1911-04766 [237]
Jean-Noël Monette	4	15	CauwelaertDMS16 [141], SchausHMCMD11 [538], MonetteDH09 [449], MonetteDD07 [448]
Goldie Nejat	4	50	TranVNB17 [606], TranVNB17a [607], BoothNB16 [115], LouieVNB14 [416]
Yanick Ouellet	4	10	OuelletQ22 [492], FahimiOQ18 [207], KameugneFGOQ18 [339], OuelletQ18 [491]
Gilles Pesant	4	60	AalianPG23 [1], DoulabiRP16 [191], PesantRR15 [505], DoulabiRP14 [190]
Thierry Petit	4	20	DerrienP14 [180], DerrienPZ14 [181], ClercqPB11 [152], abs-0907-0939 [506]
Cédric Pralet	4	10	SquillaciPR23 [571], Pralet17 [514], HebrardHJMPV16 [290], PraletLJ15 [515]
Adrian R. Pearce	4	35	BlomPS16 [100], BurtLPS15 [125], BlomBPS14 [99], LipovetzkyBPS14 [398]
Dhananjay R. Thiruvady	4	32	abs-2402-00459 [473], abs-2211-14492 [573], ThiruvadyWGS14 [592], ThiruvadyBME09 [591]
Martino Ruggiero	4	58	BeniniLMR11 [90], LombardiMRB10 [412], RuggieroBBMA09 [532], BeniniLMR08 [89]
Mark S. Fox	4	27	BeckF00 [68], BeckF98 [67], BeckDF97 [65], FoxAS82 [220]
Christine Solnon	4	20	GroleazNS20 [266], GroleazNS20a [265], SacramentoSP20 [533], MelgarejoLS15 [11]
Daria Terekhov	4	21	TanT18 [579], TerekhovTDB14 [588], TranTDB13 [605], TerekhovDOB12 [587]
József Váncza	4	9	KovacsV06 [364], KovacsEKV05 [361], KovacsV04 [363], VanczaM01 [617]
Toby Walsh	4	2	GelainPRVW17 [241], BessiereHMQW14 [93], ChuGNSW13 [148], HebrardTW05 [291]
Felix Winter	4	0	LacknerMMWW23 [378], WinterMMW22 [642], LacknerMMWW21 [377], GeibingerKKMMW21 [236]
Francisco Yuraszeck	4	31	YuraszeckMCCR23 [658], YuraszeckMC23 [656], YuraszeckMPV22 [657], MejiaY20 [435]
Willem-Jan van Hoeve	4	50	GilesH16 [245], GoelSHFS15 [250], HoeveGSL07 [616], GomesHS06 [257]
Max Åstrand	4	27	Astrand0F21 [36], Astrand21 [35], AstrandJZ20 [38], AstrandJZ18 [37]
Miguel A. Salido	3	45	BartakS11 [57], BartakSR10 [58], AbrilSB05 [4]
Laurence A. Wolsey	3	50	HoundjiSW19 [320], HoundjiSWD14 [321], SadykovW06 [535]
Bruno A. Prata	3	1	PrataAN23 [516], AbreuNP23 [169], AbreuPNF23 [3]
Mehmet A. Begen	3	25	NaderiBZ22 [461], NaderiBZ22a [460], NaderiRBAU21 [463]
Maliheh Aramon Bajestani	3	31	BajestaniB15 [43], BajestaniB13 [42], BajestaniB11 [41]
Séverine Betmbe Fetgo	3	1	KameugneFND23 [340], FetgoD22 [215], KameugneFGOQ18 [339]
Miquel Bofill	3	11	BofillCSV17 [103], BofillGSV15 [105], BofillEGPSV14 [104]
Thomas Bridi	3	29	BridiBLMB16 [121], BridiLBBM16 [122], BartoliniBBLM14 [60]
Cid C. de Souza	3	21	MouraSCL08 [454], MouraSCL08a [453], HeipckeCCS00 [301]
Hadrien Cambazard	3	23	CatusseCBL16 [140], MalapertCGJLR13 [426], MalapertCGJLR12 [425]
Quentin Cappart	3	8	PopovicCGNC22 [511], CappartTSR18 [131], CappartS17 [130]
Ondrej Cepek	3	36	BartakCS10 [56], VilimBC05 [627], VilimBC04 [626]
Amedeo Cesta	3	15	CestaOPS14 [144], OddiPCC03 [486], CestaOS98 [145]
Giacomo Da Col	3	14	ColT22 [161], abs-2102-08778 [156], ColT19 [157]
Alban Derrien	3	17	Derrien15 [179], DerrienP14 [180], DerrienPZ14 [181]
Abdallah Elkhyari	3	10	Elkhyari03 [197], ElkhyariGJ02 [198], ElkhyariGJ02a [199]
Hamed Fahimi	3	2	FahimiQ23 [208], FahimiOQ18 [207], Fahimi16 [206]
Jeremy Frank	3	7	TranWDRFOVB16 [608], TranDRFWOVB16 [603], FrankK05 [221]
Douglas G. Down	3	20	TranPZLDB18 [604], TerekhovTDB14 [588], TranTDB13 [605]
Maurizio Gabbrielli	3	12	LiuCGM17 [400], AmadiniGM16 [17], FalaschiGMP97 [209]
Michele Garraffa	3	1	AlferiGPS23 [15], ArmstrongGOS22 [27], ArmstrongGOS21 [26]
Martin Gebser	3	0	TasselGS23 [583], abs-2306-05747 [584], KovacsTKSG21 [365]
Jean-Claude Gentina	3	8	KorbbaaYG00 [356], LopezAKYG00 [414], KorbbaaYG99 [355]
Lucas Groleaz	3	4	Groleaz21 [264], GroleazNS20 [266], GroleazNS20a [265]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Andy Ham	3	20	HamPK21 [279], Ham18 [277], Ham18a [278]
Renaud Hartert	3	35	GayHLS15 [231], GayHS15 [232], GayHS15a [233]
Marie-José Huguet	3	12	AntuoriHHEN21 [22], AntuoriHHEN20 [21], HebrardHJMPV16 [290]
Andrew J. Davenport	3	13	Davenport10 [165], DavenportKRSH07 [166], BeckDF97 [65]
Mikael Johansson	3	27	Astrand0F21 [36], AstrandJZ20 [38], AstrandJZ18 [37]
Ouajdi Korbaa	3	8	KorbaaYG00 [356], LopezAKYG00 [414], KorbaaYG99 [355]
Stefan Kreter	3	47	KreterSSZ18 [368], KreterSS17 [367], KreterSS15 [366]
Krzysztof Kuchcinski	3	24	WolinskiKG04 [648], KuchcinskiW03 [370], GruianK98 [267]
André Langevin	3	107	MalapertCGJLR13 [426], MalapertCGJLR12 [425], KhayatLR06 [347]
Philippe Michelon	3	68	Acuna-AgostMFG09 [5], LiessM08 [392], DemasseyAM05 [177]
Tony Minoru Tamura Lopes	3	47	LopesCSM10 [413], MouraSCL08 [454], MouraSCL08a [453]
Christina N. Burt	3	15	BurtLPS15 [125], BlomBPS14 [99], LipovetzkyBPS14 [398]
Hiroki Nishikawa	3	3	NishikawaSTT19 [476], NishikawaSTT18 [474], NishikawaSTT18a [475]
Angelo Oddi	3	15	CestaOPS14 [144], OddiPCC03 [486], CestaOS98 [145]
David R. Urbach	3	100	NaderiRBAU21 [463], RoshanaeiBAUB20 [528], RoshanaeiLAU17a [530]
Philippe Refalo	3	60	GarganiR07 [228], BeckR03 [70], MilanoORT02 [443]
Levi Ribeiro de Abreu	3	11	AbreuNP23 [169], AbreuN22 [168], AbreuAPNM21 [167]
Gunnar Schrader	3	13	Wolf09 [647], WolfS05 [646], SchuttWS05 [552]
Jens Schulz	3	40	HeinzSB13 [298], HeinzS11 [297], BertholdHLMS10 [92]
Marcelo Seido Nagano	3	11	AbreuNP23 [169], AbreuN22 [168], AbreuAPNM21 [167]
Kana Shimada	3	3	NishikawaSTT19 [476], NishikawaSTT18 [474], NishikawaSTT18a [475]
Gilles Simonin	3	8	GodetLHS20 [249], SimoninAHL15 [562], SimoninAHL12 [561]
Tiago Stegun Vaquero	3	29	TranVNB17 [606], TranVNB17a [607], LouieVNB14 [416]
Josep Suy	3	11	BofillCSV17 [103], BofillGSV15 [105], BofillEGPSV14 [104]
Christos T. Maravelias	3	396	Adelgren2023 [7], HarjunkoskiMBC14 [283], MaraveliasG04 [430]
Andreas T. Ernst	3	16	abs-2211-14492 [573], EdwardsBSE19 [194], ThiruvadyBME09 [591]
Itetsu Taniguchi	3	3	NishikawaSTT19 [476], NishikawaSTT18 [474], NishikawaSTT18a [475]
Pierre Tassel	3	0	TasselGS23 [583], abs-2306-05747 [584], KovacsTKSG21 [365]
Reza Tavakkoli-Moghaddam	3	9	Fatemi-AnarakiTFV23 [213], NouriMHD23 [611], GhasemiMH23 [244]
Hiroyuki Tomiyama	3	3	NishikawaSTT19 [476], NishikawaSTT18 [474], NishikawaSTT18a [475]
Seyda Topaloglu Yildiz	3	20	IsikYA23 [325], YunusogluY22 [655], KucukY19 [372]
Sascha Van Cauwelaert	3	8	CauwelaertLS18 [142], CauwelaertDMS16 [141], DejemeppeCS15 [174]
G��rard Verfaillie	3	119	HebrardHJMPV16 [290], VerfaillieL01 [618], BensanaLV99 [91]
Arnaldo Vieira Moura	3	47	LopesCSM10 [413], MouraSCL08 [454], MouraSCL08a [453]
Mateu Villaret	3	11	BofillCSV17 [103], BofillGSV15 [105], BofillEGPSV14 [104]
Daniel Walkiewicz	3	0	LacknerMMWW23 [378], WinterMMW22 [642], LacknerMMWW21 [377]
Pascal Yim	3	8	KorbaaYG00 [356], LopezAKYG00 [414], KorbaaYG99 [355]
Alessandro Zanarini	3	25	AstrandJZ20 [38], AstrandJZ18 [37], BonfiettiZLM16 [113]
Luis Zeballos	3	35	ZeballosQH10 [663], ZeballosH05 [662], QuirogaZH05 [521]
Viktoria A. Hauder	2	14	HauderBRPA20 [287], abs-1902-09244 [286]
Daniel A. Desmond	2	1	AntunesABD20 [20], AntunesABD18 [19]
Michael Affenzeller	2	14	HauderBRPA20 [287], abs-1902-09244 [286]
Abderrahmane Aggoun	2	187	AggounMV08 [10], AggounB93 [9]
Mark Antunes	2	1	AntunesABD20 [20], AntunesABD18 [19]
Valentin Antuori	2	3	AntuoriHHEN21 [22], AntuoriHHEN20 [21]
Vincent Armant	2	1	AntunesABD20 [20], AntunesABD18 [19]
Eddie Armstrong	2	1	ArmstrongGOS22 [27], ArmstrongGOS21 [26]
M. Arslan Ornek	2	31	OrnekOS20 [489], OzturkTHO13 [495]
Emrah B. Edis	2	48	EdisO11 [192], EdisO11a [193]
Amelia Badica	2	4	BadicaBI20 [39], BadicaBIL19 [40]
Costin Badica	2	4	BadicaBI20 [39], BadicaBIL19 [40]
Pierre Baptiste	2	13	BoucherBVBL97 [117], BaptisteLV92 [51]
Nicolas Barnier	2	0	WangB23 [636], WangB20 [635]
Andreas Beham	2	14	HauderBRPA20 [287], abs-1902-09244 [286]
Ondrej Benedikt	2	3	BenediktMH20 [86], BenediktSMVH18 [87]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Davide Bertozzi	2	27	RuggieroBBMA09 [532], BeniniBGM06 [88]
Jean-Charles Billaut	2	23	BillautHL12 [95], LorigeonBB02 [415]
Andrea Borghesi	2	23	BorghesiBLMB18 [116], BartoliniBBLM14 [60]
Dario Canut-de-Bon	2	1	YuraszeckMCCR23 [658], YuraszeckMC23 [656]
Tom Carchrae	2	16	CarchraeB09 [132], CarchraeBF05 [133]
Jacques Carlier	2	6	CarlierSJP21 [137], NeronABCDD06 [485]
Erich Christian Teppan	2	11	Teppan22 [586], ColT19 [157]
Jordi Coll Caballero	2	0	Caballero23 [128], Caballero19 [127]
Yves Colombani	2	9	HeipckeCCS00 [301], Colombani96 [158]
Joseph D. Scott	2	13	KameugneFSN14 [342], KameugneFSN11 [341]
Emilie Danna	2	23	DannaP04 [162], DannaP03 [163]
Stéphane Dauzère-Pérès	2	14	PenzDN23 [502], NattafDYW19 [469]
Mauro Dell’Amico	2	2	MontemanniD23 [451], MontemanniD23a [450]
Minh Do	2	3	TranWDRFOVB16 [608], TranDRFWOVB16 [603]
Ulrich Dorndorf	2	18	DorndorfPH99 [189], DorndorfHP99 [188]
Hani El Sakkout	2	82	KamarainenS02 [336], SakkoutW00 [536]
Sebastian Engell	2	384	KlankeBYE21 [350], HarjunkoskiMBC14 [283]
Tamer Eren	2	1	GurPAE23 [273], GurEA19 [679]
Guillaume Escamocher	2	1	AntunesABD20 [20], AntunesABD18 [19]
Siham Essodaigui	2	3	AntuoriHHEN21 [22], AntuoriHHEN20 [21]
Caroline Even	2	3	EvenSH15 [204], EvenSH15a [205]
Stephen F. Smith	2	7	CestaOPS14 [144], CestaOS98 [145]
Minhaz F. Zibran	2	43	ZibranR11 [674], ZibranR11a [675]
Azadeh Farsi	2	25	FarsiTM22 [212], MokhtarzadehTNF20 [447]
Dominique Feillet	2	19	Acuna-AgostMFG09 [5], ArtiguesBF04 [30]
Michel Gamache	2	0	AalianPG23 [1], CampeauG22 [129]
Marc Garcia	2	10	BofillGSV15 [105], BoffillEGPSV14 [104]
Antonio Garrido	2	27	GarridoAO09 [229], GarridoOS08 [230]
Anne-Marie George	2	1	AntunesABD20 [20], AntunesABD18 [19]
Eleanor Gilbert Rieffel	2	3	TranWDRFOVB16 [608], TranDRFWOVB16 [603]
Vincent Gingras	2	1	KameugneFGOQ18 [339], GingrasQ16 [246]
Arthur Godet	2	1	Godet21a [248], GodetLHS20 [249]
Adrian Goldwaser	2	8	GoldwaserS18 [254], GoldwaserS17 [253]
Arnaud Gotlieb	2	9	MossigeGSMC17 [452], AlesioNBG14 [182]
Daniel Guimarans	2	2	GokPTGO23 [275], GokGSTO20 [251]
Iiro Harjunkoski	2	550	HarjunkoskiMBC14 [283], HarjunkoskiG02 [282]
Vilém Heinz	2	5	abs-2305-19888 [300], HeinzNVH22 [299]
Alessandro Hill	2	0	HillBCGN22 [305], HillTV21 [306]
Seyed Hossein Hashemi Doulabi	2	59	DoulabiRP16 [191], DoulabiRP14 [190]
Georgiana Ifrim	2	12	GrimesIOS14 [263], IfrimOS12 [324]
Mirjana Ivanovic	2	4	BadicaBI20 [39], BadicaBIL19 [40]
Raf Jans	2	60	MartnezAJ22 [432], Jans09 [328]
Chanchal K. Roy	2	43	ZibranR11 [674], ZibranR11a [675]
Lucas Kletzander	2	1	GeibingerKKMMW21 [236], KletzanderM17 [351]
Jan Kristof Behrens	2	12	BehrensLM19 [76], abs-1901-07914 [77]
Wen-Yang Ku	2	128	KuB16 [369], HeinzKB13 [295]
Michelle L. Blom	2	35	BlomPS16 [100], BlomBPS14 [99]
Marie-Louise Lackner	2	0	LacknerMMWW23 [378], LacknerMMWW21 [377]
Arnaud Lallouet	2	0	PerezGSL23 [503], abs-2312-13682 [504]
Evelina Lamma	2	12	LammaMM97 [381], BrusoniCLMMT96 [124]
Ralph Lange	2	12	BehrensLM19 [76], abs-1901-07914 [77]
Bruno Legeard	2	13	BoucherBVBL97 [117], BaptisteLV92 [51]
Pierre Lemaire	2	32	CatusseCBL16 [140], GuyonLPR12 [274]
Michel Lemaître	2	110	VerfaillieL01 [618], BensanaLV99 [91]
BoonPing Lim	2	6	LimHTB16 [394], LimBTBB15 [395]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Kamol Limtanyakul	2	6	LimtanyakulS12 [397], Limtanyakul07 [396]
Yiqing Lin	2	1	AntunesABD20 [20], AntunesABD18 [19]
Nir Lipovetzky	2	0	BurtLPS15 [125], LipovetzkyBPS14 [398]
James Little	2	30	KrogtLPHJ07 [615], Darby-DowmanLMZ97 [164]
Shixin Liu	2	0	LiFJZLL22 [391], ZhangJZL22 [664]
Xavier Lorca	2	29	GodetLHS20 [249], HermenierDL11 [304]
Curtiss Luong	2	115	RoshanaeiLAU17 [529], RoshanaeiLAU17a [530]
Abid M. Malik	2	15	Malik08 [428], MalikMB08 [429]
Pedro M. Castro	2	381	HarjunkoskiMBC14 [283], CastroGR10 [139]
Gilles Madi-Wamba	2	1	Madi-WambaLOBM17 [422], Madi-WambaB16 [421]
Adrien Maillard	2	9	HebrardALLCMR22 [289], HebrardHJMPV16 [290]
Masoumeh Mansouri	2	12	BehrensLM19 [76], abs-1901-07914 [77]
Jacopo Mauro	2	2	LiuCGM17 [400], AmadiniGM16 [17]
Gonzalo Mejía	2	25	YuraszeckMC23 [656], MejiaY20 [435]
Paola Mello	2	12	LammaMM97 [381], BrusoniCLMMT96 [124]
Carlos Mencía	2	25	MenciaSV13 [438], MenciaSV12 [437]
Mahdi Mokhtarzadeh	2	25	FarsiTM22 [212], MokhtarzadehTNF20 [447]
Roberto Montemanni	2	2	MontemanniD23 [451], MontemanniD23a [450]
Christoph Mrkvicka	2	0	LacknerMMWW23 [378], LacknerMMWW21 [377]
István Módos	2	3	BenediktMH20 [86], BenediktSMVH18 [87]
Sophie N. Parragh	2	14	HauderBRPA20 [287], abs-1902-09244 [286]
Samba Ndojh Ndiaye	2	4	GroleazNS20 [266], GroleazNS20a [265]
Youcheu Ngo-Kateu	2	13	KameugneFSN14 [342], KameugneFSN11 [341]
Alain Nguyen	2	3	AntuoriHHEN21 [22], AntuoriHHEN20 [21]
Su Nguyen	2	0	abs-2402-00459 [473], abs-2211-14492 [573]
Antonín Novák	2	5	abs-2305-19888 [300], HeinzNVH22 [299]
Bryan O’Gorman	2	3	TranWDRFOVB16 [608], TranDRFWOVB16 [603]
Mike O’Keeffe	2	1	AntunesABD20 [20], AntunesABD18 [19]
Eva Onaindia	2	27	GarridoAO09 [229], GarridoOS08 [230]
Irem Ozkarahan	2	89	EdisO11a [193], TopalogluO11 [597]
Carla P. Gomes	2	0	HoeveGSL07 [616], GomesHS06 [257]
Laure Pauline Fotso	2	13	KameugneFSN14 [342], KameugneFSN11 [341]
Guillaume Perez	2	0	PerezGSL23 [503], abs-2312-13682 [504]
Toàn Phan Huy	2	18	DorndorfPH99 [189], DorndorfHP99 [188]
Nicola Policella	2	10	CestaOPS14 [144], OddiPCC03 [486]
Enrico Pontelli	2	0	TardivoDFMP23 [582], VillaverdeP04 [629]
Luis Quesada	2	1	AntunesABD20 [20], AntunesABD18 [19]
Oscar Quiroga	2	35	ZeballosQH10 [663], QuirogaZH05 [521]
Günther R. Raidl	2	14	FrohnerTR19 [225], RendlPHPR12 [523]
Levi R. Abreu	2	0	PrataAN23 [516], AbreuPNF23 [3]
María R. Sierra	2	25	MenciaSV13 [438], MenciaSV12 [437]
Sebastian Raggl	2	14	HauderBRPA20 [287], abs-1902-09244 [286]
Vinasétan Ratheil Houndji	2	5	HoundjiSW19 [320], HoundjiSWD14 [321]
David Rivreau	2	42	NattafALR16 [468], GuyonLPR12 [274]
Francesca Rossi	2	29	GelainPRVW17 [241], BartakSR10 [58]
Louis-Martin Rousseau	2	106	CastroGR10 [139], CorreaLR07 [159]
Marcelo S. Nagano	2	0	PrataAN23 [516], AbreuPNF23 [3]
Erlendur S. Thorsteinsson	2	81	MilanoORT02 [443], Thorsteinsson01 [594]
Ruslan Sadykov	2	56	SadykovW06 [535], Sadykov04 [534]
Konstantin Schekotihin	2	0	TasselGS23 [583], abs-2306-05747 [584]
Christian Schulte	2	5	WessenCS20 [640], FrimodigS19 [223]
Bart Selman	2	0	HoeveGSL07 [616], GomesHS06 [257]
Paul Shaw	2	179	LaborieRSV18 [376], VilimLS15 [628]
Wijnand Suijlen	2	0	PerezGSL23 [503], abs-2312-13682 [504]
Yuan Sun	2	0	abs-2402-00459 [473], abs-2211-14492 [573]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Reza Tavakkoli-Moghaddam	2	25	Mehdizadeh-Somarin23 [434], MokhtarzadehTNF20 [447]
Clémentin Tayou Djamégni	2	0	KameugneFND23 [340], FetgoD22 [215]
Erich Teppan	2	3	abs-2102-08778 [156], FriedrichFMRSS14 [222]
Alexander Tesch	2	9	Tesch18 [590], Tesch16 [589]
Sylvie Thiébaux	2	6	LimHTB16 [394], LimBTBB15 [395]
Charles Thomas	2	6	ThomasKS20 [593], CappartTSR18 [131]
Maurizio Tomasella	2	2	GokPTGO23 [275], GokGSTO20 [251]
Semra Tunali	2	46	OzturkTHO13 [495], OzturkTHO10 [494]
Behdin Vahedi Nouri	2	25	Mehdizadeh-Somarin23 [434], MokhtarzadehTNF20 [447]
Behdin Vahedi-Nouri	2	9	Fatemi-AnarakiTFV23 [213], NouriMHD23 [611]
Ramiro Varela	2	25	MenciaSV13 [438], MenciaSV12 [437]
Christophe Varnier	2	13	BoucherBVBL97 [117], BaptisteLV92 [51]
Davide Venturelli	2	3	TranWDRFOVB16 [608], TranDRFWOVB16 [603]
Ruixin Wang	2	0	WangB23 [636], WangB20 [635]
Zhihui Wang	2	3	TranWDRFOVB16 [608], TranDRFWOVB16 [603]
Jean-Paul Watson	2	57	BeckFW11 [66], WatsonB08 [639]
Christine Wei Wu	2	42	WuBB09 [650], WuBB05 [649]
Christophe Wolinski	2	19	WolinskiKG04 [648], KuchcinskiW03 [370]
Farouk Yalaoui	2	3	OujanaAYB22 [493], ArbaouiY18 [24]
Neil Yorke-Smith	2	5	EfthymiouY23 [195], WallaceY20 [634]
Ziyan Zhao	2	0	LiFJZLL22 [391], ZhangJZL22 [664]
Jiayang Zhou	2	24	Zhou97 [670], Zhou96 [669]
Menkes van den Briel	2	6	LimHTB16 [394], LimBTBB15 [395]
Peter van Beek	2	16	BegB13 [75], MalikMB08 [429]
	1	63	ArtiguesDN08 [31]
Florian A. Herzog	1	2	KoehlerBFFHPSSS21 [352]
J. A. Hoogeveen	1	2	AkkerDH07 [613]
M. A. Hakim Newton	1	0	RiahiNS018 [524]
Amr A. Kandil	1	24	TangLWSK18 [581]
Antonio A. Márquez	1	7	ValleMGTO3 [612]
Kennedy A. G. Araújo	1	0	AbreuAPNM21 [167]
Steve A. Chien	1	0	HebrardALLCMR22 [289]
Sheila A. McIlraith	1	0	LuoVLBM16 [419]
Andre A. Ciré	1	15	CireCH16 [151]
Julie A. Shah	1	71	GombolayWS18 [256]
Younes Aalian	1	0	AalianPG23 [1]
E.H.L. Aarts	1	65	NuijtenA96 [484]
Hanaa Abohashima	1	1	AbohashimaEG21 [2]
Montserrat Abril	1	0	AbrilSB05 [4]
Rodrigo Acuna-Agost	1	3	Acuna-AgostMFG09 [5]
Nathan Adelgren	1	0	Adelgren2023 [7]
W. Adelman	1	17	EscobetPQPRA19 [202]
Yossiri Adulyasak	1	1	MartnezAJ22 [432]
Sezin Afsar	1	0	AfsarVPG23 [8]
Penélope Aguiar-Melgarejo	1	14	MelgarejoLS15 [11]
Sanjay Ahire	1	0	KanetAG04 [343]
Aftab Ahmed Shaikh	1	0	ShaikhK23 [554]
Uwe Aickelin	1	0	abs-2211-14492 [573]
Farid Ajili	1	4	AjiliW04 [12]
Ali Akbar Sadat Asl	1	55	ZarandiASC20 [661]
Mohsen Akbarpour Shirazi	1	28	ZarandiKS16 [660]
Arianna Alfieri	1	0	AlfieriGPS23 [15]
S. Ali Torabi	1	0	FarsiTM22 [212]
Samira Alizdeh	1	1	AlizdehS20 [16]
Hassane Alla	1	0	LopezAKYG00 [414]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Roberto Amadini	1	2	AmadiniGM16 [17]
Lionel Amodeo	1	1	OujanaAYB22 [493]
Alexandru Andrei	1	9	RuggieroBBMA09 [532]
Ola Angelsmark	1	1	AngelsmarkJ00 [18]
Richard Anthony Valenzano	1	0	LuoVLBM16 [419]
M. Anton Ertl	1	14	ErtIK91 [201]
Zbigniew Antoni Banaszak	1	0	BocewiczBB09 [101]
Marlene Arangú	1	5	GarridoAO09 [229]
Arthur Araujo	1	72	TranAB16 [601]
Taha Arbaoui	1	2	ArbaouiY18 [24]
Dmitry Arkhipov	1	12	ArkhipovBL19 [25]
Martin Aronsson	1	0	AronssonBK09 [29]
Konstantin Artiouchine	1	3	ArtiouchineB05 [34]
Arezo Atighehchian	1	0	YounespourAKE19 [652]
Abdullah Ayub Khan	1	0	ShaikhK23 [554]
Amr B. Eltawil	1	1	AbohashimaEG21 [2]
Maya B. Gokhale	1	0	WolinskiKG04 [648]
David B. H. Tay	1	0	Tay92 [585]
Davaatseren Baatar	1	3	EdwardsBSE19 [194]
Özalp Babaoglu	1	1	GalleguillosKSB19 [227]
Irena Bach	1	0	BocewiczBB09 [101]
Astrid Bachelu	1	0	BoucherBVBL97 [117]
Scott Backhaus	1	4	LimBTBB15 [395]
Hari Balasubramanian	1	9	ShinBBHO18 [557]
Viet Bang Nguyen	1	0	LauLN08 [382]
Federico Barber	1	0	AbrilSB05 [4]
Ada Barlatt	1	1	BarlattCG08 [52]
Mohammadreza Barzegaran	1	0	BarzegaranZP20 [61]
Virginie Basini	1	8	Polo-MejiaALB20 [510]
Olga Battaia	1	12	ArkhipovBL19 [25]
N Beldiceanu	1	167	BeldiceanuC94 [78]
Said Belhadji	1	3	BelhadjiI98 [83]
Sana Belmokhtar	1	16	ArtiguesBF04 [30]
Fatima Benbouzid-Si Tayeb	1	0	TouatBT22 [599]
Till Bender	1	1	BenderWS21 [84]
Belaïd Benhamou	1	0	TouatBT22 [599]
Hachemi Bennaceur	1	8	KhemmoudjPB06 [348]
E. Bensana	1	99	BensanaLV99 [91]
Russell Bent	1	4	LimBTBB15 [395]
Timo Berthold	1	28	BertholdHLMS10 [92]
Christian Bessiere	1	1	BessiereHMQW14 [93]
Julien Bidot	1	58	BidotVLB09 [94]
Arthur Bit-Monnot	1	0	Bit-Monnot23 [96]
Jacek Blazewicz	1	38	BlazewiczEP19 [97]
Christian Blum	1	13	ThiruvadyBME09 [591]
Grzegorz Bocewicz	1	0	BocewiczBB09 [101]
Markus Bohlin	1	0	AronssonBK09 [29]
Peter Bongers	1	381	HarjunkoskiMBC14 [283]
Nicolas Bonifas	1	3	BaptisteB18 [46]
Camille Bonnin	1	0	BonninMNE24 [114]
Eric Boucher	1	0	BoucherBVBL97 [117]
Raphaël Boudreault	1	0	BoudreaultSLQ22 [118]
Jean-Louis Bouquard	1	22	LorigeonBB02 [415]
Eric Bourreau	1	4	BourreauGGLT22 [119]
Nadia Brauner	1	0	CatusseCBL16 [140]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Silvia Breitingner	1	0	BreitingnerL95 [120]
Kristen Brent Venable	1	1	GelainPRVW17 [241]
D. Brodart	1	1	OujanaAYB22 [493]
Yuriy Brun	1	9	ShinBBHO18 [557]
Vittorio Brusoni	1	1	BrusoniCLMMT96 [124]
Josef Bürgler	1	2	KoehlerBFFHPSSS21 [352]
Jacek Błażewicz	1	344	BlazewiczDP96 [126]
Cristina C. B. Cavalcante	1	5	HeipckeCCS00 [301]
Lionel C. Briand	1	3	AlesioNBG14 [182]
Eugene C. Freuder	1	0	CarchraeBF05 [133]
Kevin C. Furman	1	48	GoelSHFS15 [250]
Joseph C. Pemberton	1	26	PembertonG98 [501]
Hendrik C. R. Lock	1	0	BreitingnerL95 [120]
Erich C. Teppan	1	3	ColT22 [161]
Matthew C. Gombolay	1	71	GombolayWS18 [256]
Eray Cakici	1	50	HamC16 [280]
Louis-Pierre Campeau	1	0	CampeauG22 [129]
Cid Carvalho de Souza	1	31	LopesCSM10 [413]
Yves Caseau	1	0	Caseau97 [138]
Oscar Castillo	1	55	ZarandiASC20 [661]
Nicolas Catusse	1	0	CatusseCBL16 [140]
Yao-Ting Chang	1	2	HoYCLLC18 [307]
Nicolas Chapados	1	5	ChapadosJR11 [146]
Philippe Charlier	1	11	SimonisCK00 [567]
Yarong Chen	1	2	ChenGPSH10 [147]
Mohammad Cherkaoui	1	0	FallahiaAC20 [210]
Han-Mo Chiu	1	2	HoYCLLC18 [307]
Yeonjun Choi	1	0	KimCMLLP23 [349]
Yingyi Chu	1	13	ChuX05 [149]
Sue-Min Chu	1	2	HoYCLLC18 [307]
Hoong Chuin Lau	1	0	LauLN08 [382]
Italo Cipriano	1	0	HillBCGN22 [305]
Michael Codish	1	127	OhrimenkoSC09 [487]
Carleton Coffrin	1	14	SchausHMCMD11 [538]
Eldan Cohen	1	1	CohenHB17 [155]
Jordi Coll	1	1	BofillCSV17 [103]
Luca Console	1	1	BrusoniCLMMT96 [124]
E Contejean	1	167	BeldiceanuC94 [78]
Trijntje Cornelissens	1	17	SimonisC95 [568]
Gabriella Cortellessa	1	8	OddiPCC03 [486]
Nicolás Cuneo	1	0	YuraszeckMCCR23 [658]
Kateryna Czerniachowska	1	0	CzerniachowskaWZ23 [160]
Alain Côté	1	0	PopovicCGNC22 [511]
Kenneth D. Young	1	6	YoungFS17 [653]
Laurent D. Michel	1	3	FontaineMH16 [217]
Steven D. Prestwich	1	6	RossiTHP07 [531]
Michael D. Moffitt	1	0	MoffittPP05 [446]
Jean Damay	1	3	NeronABCD06 [485]
Ken Darby-Dowman	1	28	Darby-DowmanLMZ97 [164]
Vivian De Smedt	1	7	GaySS14 [234]
Alexis De Clercq	1	3	ClercqPB11 [152]
Rina Dechter	1	10	FrostD98 [226]
Carmelo Del Valle	1	7	ValleMGTO3 [612]
Xavier Delorme	1	0	RodriguezDG02 [526]
Alain Demeure	1	0	JourdanFRD94 [330]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Emir Demirovic	1	4	DemirovicS18 [178]
Roberto Di Cosmo	1	0	LiuCGM17 [400]
Guido Diepen	1	2	AkkerDH07 [613]
Bistra Dilkina	1	2	DilkinaDH05 [183]
Mehmet Dincbas	1	86	DincbasSH90 [185]
Yann Disser	1	0	EmdeZD22 [200]
Alexandre Dolgui	1	2	NouriMHD23 [611]
Ulrich Domdorf	1	0	DomdorfPH03 [186]
Wolfgang Domschke	1	344	BlazewiczDP96 [126]
Grégoire Dooms	1	1	DoomsH08 [187]
Agostino Dovier	1	0	TardivoDFMP23 [582]
Yuquan Du	1	27	QinDCS20 [519]
Lei Duan	1	2	DilkinaDH05 [183]
Alexandre Duarte de Almeida Lemos	1	0	Lemos21 [385]
Didier Dubois	1	13	FortinZDF05 [219]
Pierre Dupont	1	0	MonetteDD07 [448]
David Duvivier	1	36	WangMD15 [637]
Kyle E. C. Booth	1	21	BoothNB16 [115]
Marco E. Lübbecke	1	28	BertholdHLS10 [92]
Andrew E. Santosa	1	0	ZhuS02 [672]
Martha E. Pollack	1	0	MoffittPP05 [446]
Kyle E.C. Booth	1	24	RoshanaeiBAUB20 [528]
Nikolaos Efthymiou	1	0	EfthymiouY23 [195]
Gokhan Egilmez	1	43	GedikKEK18 [235]
Péter Egri	1	2	KovacsEKV05 [361]
Nizar El Hachemi	1	32	HachemiGR11 [276]
Ghada El Khayat	1	84	KhayatLR06 [347]
Abdellah El Fallahi	1	0	FallahiAC20 [210]
Özgün Elçi	1	2	ElciOH22 [196]
Simon Emde	1	0	EmdeZD22 [200]
Eyüp Ensar Isik	1	0	IsikYA23 [325]
Teresa Escobet	1	17	EscobetPQPRA19 [202]
Joan Espasa	1	3	BofillEGPSV14 [104]
Marie-Laure Espinouse	1	0	BonninMNE24 [114]
Alireza Etminaniefahani	1	0	EtminaniefahaniGNMS22 [203]
Michael F. Gorman	1	0	KanetAG04 [343]
Richard F. Hartl	1	24	SchnellH15 [540]
Mohd Fadlee A. Rasid	1	0	AkramNHRSA23 [13]
François Fages	1	0	JourdanFRD94 [330]
Moreno Falaschi	1	10	FalaschiGMP97 [209]
Huali Fan	1	18	FanXG21 [211]
Hélène Fargier	1	13	FortinZDF05 [219]
Soroush Fatemi-Anaraki	1	7	Fatemi-AnarakiTFV23 [213]
Filippo Focacci	1	0	FocacciLN00 [216]
Daniel Fontaine	1	3	FontaineMH16 [217]
Urs Fontana	1	2	KoehlerBFFHPSSS21 [352]
M.A. Forbes	1	0	ForbesHJST24 [218]
Andrea Formisano	1	0	TardivoDFMP23 [582]
Jérôme Fortin	1	13	FortinZDF05 [219]
Mehdi Foumani	1	7	Fatemi-AnarakiTFV23 [213]
Gerhard Friedrich	1	3	FriedrichFMRSS14 [222]
Sara Frimodig	1	3	FrimodigS19 [223]
Aurélien Froger	1	0	Froger16 [224]
Nikolaus Frohner	1	0	FrohnerTR19 [225]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Daniel Frost	1	10	FrostD98 [226]
Melanie Frühstück	1	3	FriedrichFMRST14 [222]
Jun Fu	1	0	LiFJZLL22 [391]
Etienne Fux	1	2	KoehlerBFFHPSSS21 [352]
Ernesto G. Birgin	1	30	LunardiBLRV20 [417]
Mohamed Gaha	1	0	PopovicCGNC22 [511]
Flavius Galiber III	1	26	PembertonG98 [501]
Cristian Galleguillos	1	1	GalleguillosKSB19 [227]
Xavier Gandibleux	1	0	RodriguezDG02 [526]
Graeme Gange	1	6	He0GLW18 [288]
Thierry Garaix	1	4	BourreauGGLT22 [119]
Maria Garcia de la Banda	1	24	BandaSC11 [171]
Antoine Gargani	1	17	GarganiR07 [228]
Serge Gaspers	1	0	ChuGNSW13 [148]
Jonathan Gaudreault	1	2	Mercier-AubinGQ20 [441]
Ridvan Gedik	1	43	GedikKEK18 [235]
Marc Geitz	1	0	GeitzGSSW22 [240]
Mirco Gelain	1	1	GelainPRVW17 [241]
Michel Gendreau	1	32	HachemiGR11 [276]
Wing-Yue Geoffrey Louie	1	16	LouieVNB14 [416]
Marcus Gerhard Müller	1	17	MullerMKP22 [455]
Patrick Gerhards	1	0	HubnerGSV21 [322]
Grigori German	1	0	German18 [242]
Ulrich Geske	1	2	Geske05 [243]
Shirin Ghasemi	1	0	GhasemiMH23 [244]
Katherine Giles	1	2	GilesH16 [245]
Gaël Glorian	1	0	PerezGSL23 [503]
Gael Glorian	1	0	abs-2312-13682 [504]
Daniel Godard	1	0	GodardLN05 [247]
Vikas Goel	1	48	GoelSHFS15 [250]
Mark Goh	1	18	FanXG21 [211]
Hans-Joachim Goltz	1	7	Goltz95 [255]
Matthieu Gondran	1	4	BourreauGGLT22 [119]
Inés González-Rodríguez	1	0	AfsarVPG23 [8]
Marcos Goycoolea	1	0	HillBCGN22 [305]
Cristian Grozea	1	0	GeitzGSSW22 [240]
Flavius Gruian	1	5	GruianK98 [267]
Zailin Guan	1	2	ChenGPPSH10 [147]
Alessio Guerri	1	18	BeniniBGM06 [88]
Sergine Gueye	1	3	Acuna-AgostMFG09 [5]
Ying Guo	1	0	ZhouGL15 [671]
Peng Guo	1	8	GuoHLW20 [271]
Penghui Guo	1	0	GuoZ23 [272]
Olivier Guyon	1	32	GuyonLPR12 [274]
Seyda Gür	1	0	GurEA19 [679]
Burak Gökğür	1	31	GokgurHO18 [252]
Seyda Gür	1	1	GurPAE23 [273]
Fehmi H'Mida	1	11	TrojetHL11 [609]
Rolf H. Möhring	1	28	BertholdHLMS10 [92]
John H. Drake	1	41	PourDERB18 [512]
M. H. Fazel Zarandi	1	28	ZarandiKS16 [660]
Klaus H. Ecker	1	38	BlazewiczEP19 [97]
Emile H. L. Aarts	1	0	NuijtenA94 [482]
Tarik Hadzic	1	3	SimonisH11 [569]
Mahdi Hamid	1	0	GhasemiMH23 [244]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Claire Hanen	1	1	HanenKP21 [281]
Jiang Hang Chen	1	27	QinDCS20 [519]
Sue Hanhilammi	1	2	KrogtLPHJ07 [615]
Zdeněk Hanzálek	1	2	NouriMHD23 [611]
Mohamed Haouari	1	3	LahimerLH11 [379]
M.G. Harris	1	0	ForbesHJST24 [218]
Fazirulhisyam Hashim	1	0	AkramNHRSA23 [13]
Muhammad Hasseb	1	2	ChenGPSH10 [147]
Shan He	1	6	He0GLW18 [288]
Xun He	1	8	GuoHLW20 [271]
Ivan Heckman	1	0	HeckmanB11 [293]
Susanne Heipcke	1	5	HeipckeCCS00 [301]
Fabien Hermenier	1	28	HermenierDL11 [304]
Gerhard Hiermann	1	14	RendlPHPR12 [523]
B. Hnich	1	5	OzturkTHO12 [677]
Te-Wei Ho	1	2	HoYCLLC18 [307]
Petra Hofstedt	1	1	LiuLH19 [399]
Markó Horváth	1	5	NattafHKAL19 [470]
Mohammad Hossein Fazel	1	55	ZarandiASC20 [661]
Zarandi			
John Hou	1	1	DavenportKRSH07 [166]
Guoyu Huang	1	1	CohenHB17 [155]
Barry Hurley	1	0	HurleyOS16 [323]
Felix Hübner	1	0	HubnerGSV21 [322]
Ayoub Insa Corréa	1	106	CorreaLR07 [159]
Amar Isli	1	3	BelhadjiI98 [83]
Mustafa Ismael Salman	1	0	AkramNHRSA23 [13]
Fernando J. M. Marcellino	1	0	SerraNM12 [553]
Leon J. Osterweil	1	9	ShinBBHO18 [557]
H. J. Kim	1	12	SureshMOK06 [575]
John J. Kanet	1	0	KanetAG04 [343]
Colin J. Layfield	1	0	Layfield02 [384]
Andrew J. Mason	1	5	Mason01 [433]
Steven J. Edwards	1	3	EdwardsBSE19 [194]
Ronald J. Wilcox	1	71	GombolayWS18 [256]
Andrea J. Brickey	1	0	HillBCGN22 [305]
Vipul Jain	1	279	JainG01 [327]
A.S. Jain	1	490	JainM99 [326]
H.M. Jansen	1	0	ForbesHJST24 [218]
Jean Jaubert	1	0	PraletLJ15 [515]
Jan Jelínek	1	0	JelinekB16 [329]
Yingjun Ji	1	0	ZhangJZL22 [664]
Zixi Jia	1	0	LiFJZLL22 [391]
Yunfei Jiang	1	0	LiuJ06 [401]
Yue Jin	1	2	KrogtLPHJ07 [615]
Marc Joliveau	1	5	ChapadosJR11 [146]
Peter Jonsson	1	1	AngelsmarkJ00 [18]
Juan José Palacios	1	0	AfsarVPG23 [8]
Antoine Jouglet	1	3	CarlierSJP21 [137]
Jean Jourdan	1	0	JourdanFRD94 [330]
Nicolas Jozefowicz	1	9	HebrardHJMPV16 [290]
Jae-Yoon Jung	1	1	ParkUJR19 [500]
Pascal Jungblut	1	0	JungblutK22 [331]
T. K. Satish Kumar	1	4	Kumar03 [371]
Edmund K. Burke	1	41	PourDERB18 [512]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Mustafa K. Dogru	1	8	TerekhovDOB12 [587]
T. K. Feng	1	43	BeckFW11 [66]
Jayant Kalagnanam	1	1	DavenportKRSH07 [166]
Darshan Kalathia	1	43	GedikKEK18 [235]
Olli Kamarainen	1	9	KamarainenS02 [336]
Nor Kamariah Noordin	1	0	AkramNHRSA23 [13]
Philip Kay	1	11	SimonisCK00 [567]
Elena Kelareva	1	16	KelarevaTK13 [344]
Jan Kelbel	1	12	KelbelH11 [345]
H. Khorshidian	1	28	ZarandiKS16 [660]
Kamran Kianfar	1	0	YounespourAKE19 [652]
Philip Kilby	1	16	KelarevaTK13 [344]
Dongyun Kim	1	0	KimCMLLP23 [349]
Emre Kirac	1	43	GedikKEK18 [235]
Zeynep Kiziltan	1	1	GalleguillosKSB19 [227]
Christian Klanke	1	3	KlankeBYE21 [350]
Jana Koehler	1	2	KoehlerBFFHPSSS21 [352]
Wolfgang Kohlenbrein	1	0	KovacsTKSG21 [365]
Rainer Kolisch	1	4	PohlAK22 [509]
Sebastian Kosch	1	4	KoschB14 [357]
Benjamin Kovács	1	0	KovacsTKSG21 [365]
Matthias Krainz	1	0	GeibingerKKMMW21 [236]
Andreas Krall	1	14	ErtlK91 [201]
Dieter Kranzlmüller	1	0	JungblutK22 [331]
Dominik Kress	1	17	MullerMKP22 [455]
Per Kreuger	1	0	AronssonBK09 [29]
Mustafa Küçük	1	0	KucukY19 [372]
Elif Kürklü	1	4	FrankK05 [221]
András Kéri	1	1	KeriK07 [346]
Michael L. Pinedo	1	0	KimCMLLP23 [349]
Hassan L. Hijazi	1	2	LimHTB16 [394]
Philip L. Henneman	1	9	ShinBBHO18 [557]
Yiqing L. Luo	1	0	LuoB22 [420]
Philippe Lacomme	1	4	BourreauGGLT22 [119]
Daniel Lafond	1	0	BoudreaultSLQ22 [118]
Anne-Marie Lagrange	1	0	CatusseCBL16 [140]
Asma Lahimer	1	3	LahimerLH11 [379]
Feipei Lai	1	2	HoYCLLC18 [307]
Jui-Fen Lai	1	2	HoYCLLC18 [307]
André Langevin	1	106	CorreaLR07 [159]
Alexander Lazarev	1	12	ArkhipovBL19 [25]
Christophe Lecoutre	1	20	GayHLS15 [231]
Myungho Lee	1	0	KimCMLLP23 [349]
Kangbok Lee	1	0	KimCMLLP23 [349]
Solange Lemai-Chenevier	1	0	PraletLJ15 [515]
Xingyang Li	1	0	LiFJZLL22 [391]
Siyi Li	1	0	LiFJZLL22 [391]
Xiaodong Li	1	0	abs-2211-14492 [573]
Guipeng Li	1	0	ZhouGL15 [671]
Hong Li	1	4	SunLYL10 [574]
Nan Li	1	4	SunLYL10 [574]
Yunbo Li	1	1	Madi-WambaLOBM17 [422]
Heyse Li	1	8	TranPZLDB18 [604]
Yi Li	1	0	LuoVLBM16 [419]
Haitao Li	1	113	LiW08 [390]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Wan-Chung Liao	1	2	HoYCLLC18 [307]
Ariel Liebman	1	6	He0GLW18 [288]
Olivier Liess	1	22	LiessM08 [392]
Andrew Lim	1	5	LimRX04 [393]
Tong Liu	1	0	LiuCGM17 [400]
Lingxuan Liu	1	12	QinWSLS21 [518]
Ke Liu	1	1	LiuLH19 [399]
Rengkui Liu	1	24	TangLWSK18 [581]
Yuechang Liu	1	0	LiuJ06 [401]
Giovanni Lo Bianco	1	0	ZhangBB22 [665]
Doina Logofatu	1	2	BadicaBIL19 [40]
Thomas Lorigeon	1	22	LorigeonBB02 [415]
Yulin Luan	1	8	GuoHLW20 [271]
Roy Luo	1	0	LuoVLBM16 [419]
Arnaud Lusson	1	0	HebrardALLCMR22 [289]
Chang Lv	1	100	MengZRZL20 [439]
Zhimin Lv	1	1	ZhangLS12 [668]
Sven Löffler	1	1	LiuLH19 [399]
J. M. van den Akker	1	2	AkkerDH07 [613]
Abdulrahman M. Abdulghani	1	0	AkramNHSA23 [13]
O. M. Alade	1	0	abs-1902-01193 [14]
Shahrzad M. Pour	1	41	PourDERB18 [512]
Franco M. Novara	1	18	NovaraNH16 [477]
Rafael M. Gasca	1	7	ValleMGTO3 [612]
Jose M. Framinan	1	0	AbreuPNF23 [3]
Andy M. Ham	1	50	HamC16 [280]
Mohammad M. Fazel-Zarandi	1	38	ZarandiB12 [214]
Arslan M. Ornek	1	15	OzturkTHO10 [494]
Jun Ma	1	1	MakMS10 [423]
Amy Mainville Cohn	1	1	BarlattCG08 [52]
Kai-Ling Mak	1	1	MakMS10 [423]
V. Mani	1	12	SureshMOK06 [575]
Oscar Manzano	1	1	MurphyMB15 [457]
Christos Maravelias	1	0	AggounMV08 [10]
Kourosh Marjani Rasmussen	1	41	PourDERB18 [512]
Kim Marriott	1	10	FalaschiGMP97 [209]
Fae Martin	1	11	MartinPY01 [431]
Jim McInnes	1	15	MalikMB08 [429]
S. Meeran	1	490	JainM99 [326]
Zahra Mehdizadeh-Somarin	1	0	Mehdizadeh-Somarin23 [434]
Haci Mehmet Alakas	1	1	GurPAE23 [273]
Haci Mehmet Alakas	1	0	GurEA19 [679]
Sebastian Meiswinkel	1	0	WinterMMW22 [642]
Gonzalo Mejía	1	6	YuraszeckMPV22 [657]
Hein Meling	1	6	MossigeGSMC17 [452]
Julien Menana	1	0	Menana11 [436]
Jean-Marc Menaud	1	1	Madi-WambaLOBM17 [422]
Leilei Meng	1	100	MengZRZL20 [439]
Luc Mercier	1	32	MercierH08 [440]
Alexandre Mercier-Aubin	1	2	Mercier-AubinGQ20 [441]
Vera Mersheeva	1	3	FriedrichFMRSS14 [222]
Nadine Meskens	1	36	WangMD15 [637]
Bernd Meyer	1	13	ThiruvadyBME09 [591]
Kyung Min Kim	1	0	HamPK21 [279]
Gautam Mitra	1	28	Darby-DowmanLMZ97 [164]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Elizabeth Montero	1	0	YuraszeckMCCR23 [658]
Kyungduk Moon	1	0	KimCMLLP23 [349]
Leila Moslemi Naeni	1	0	EtminaniefahaniGNMS22 [203]
Morten Mossige	1	6	MossigeGSMC17 [452]
Alix Munier Kordon	1	1	HanenKP21 [281]
Stanislav Murin	1	2	MurinR19 [456]
Nicola Muscettola	1	14	Muscettola02 [458]
David Müller	1	17	MullerMKP22 [455]
András Márkus	1	2	VanczaM01 [617]
Marc-André Ménard	1	1	BessiereHMQW14 [93]
Carlos Méndez	1	381	HarjunkoskiMBC14 [283]
T. N. Wong	1	6	ZhangYW21 [666]
S. N. Omkar	1	12	SureshMOK06 [575]
Nina Narodytska	1	0	ChuGNSW13 [148]
Shiva Nejati	1	3	AlesioNBG14 [182]
Alexandra Newman	1	0	HillBCGN22 [305]
Franklin Nguewouo	1	0	PopovicCGNC22 [511]
Gilberto Nishioka	1	0	SerraNM12 [553]
Thierry Noulamo	1	0	KameugneFND23 [340]
W.P.M. Nuijten	1	65	NuijtenA96 [484]
Jari Nurmi	1	2	QuSN06 [520]
Emmanuel Néron	1	3	NeronABCDD06 [485]
A. O. Amusat	1	0	abs-1902-01193 [14]
Ceyda Oguz	1	5	EdisO11 [192]
Olga Ohrimenko	1	127	OhrimenkoSC09 [487]
Bilal Omar Akram	1	0	AkramNHRSA23 [13]
Mirza Omer Beg	1	1	BegB13 [75]
Anne-Cécile Orgerie	1	1	Madi-WambaLOBM17 [422]
Arslan Ornek	1	0	OrnekO16 [488]
Gregor Ottosson	1	317	HookerO03 [317]
Greger Ottosson	1	14	MilanoORT02 [443]
Mohand Ou Idir Khemmoudj	1	8	KhemmoudjPB06 [348]
Pierre Ouellet	1	12	OuelletQ13 [490]
Soukaina Oujana	1	1	OujanaAYB22 [493]
Asma Ouled Bedhief	1	0	Bedhief21 [74]
Débora P. Ronconi	1	30	LunardiBLRV20 [417]
Edward P. K. Tsang	1	1	Tsang03 [610]
W. P. M. Nuijten	1	0	NuijtenA94 [482]
Bradley P. Allen	1	0	FoxAS82 [220]
Meghana Padmanabhan	1	8	TranPZLDB18 [604]
Silvia Padrón	1	0	GokPTGO23 [275]
Miquel Palahí	1	3	BofillEGPSV14 [104]
Catuscia Palamidessi	1	10	FalaschiGMP97 [209]
Pere Palà-Schönwälder	1	17	EscobetPQPRA19 [202]
Vaibhav Pandey	1	3	PandeyS21a [496]
Hoonseok Park	1	1	ParkUJR19 [500]
Myoung-Ju Park	1	0	HamPK21 [279]
Erica Pastore	1	0	AlfieriGPS23 [15]
Theo Pedersen	1	1	HanenKP21 [281]
Bart Peintner	1	0	MoffittPP05 [446]
Yunfang Peng	1	2	ChenGPSH10 [147]
Louise Penz	1	0	PenzDN23 [502]
Bernard Penz	1	0	CatusseCBL16 [140]
Jordi Pereira	1	6	YuraszeckMPV22 [657]
Laurent Perron	1	21	DannaP03 [163]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
To��n Phan Huy	1	0	DomdorfPH03 [186]
Mehmet Pinarbasi	1	1	GurPAE23 [273]
Arthur Pinkney	1	11	MartinPY01 [431]
Eric Pinson	1	3	CarlierSJP21 [137]
��ric Pinson	1	32	GuyonLPR12 [274]
David Pisinger	1	2	SacramentoSP20 [533]
Maximilian Pohl	1	4	PohlAK22 [509]
Oliver Polo-Mej��a	1	8	Polo-Mej��aALB20 [510]
Paul Pop	1	0	BarzegaranZP20 [61]
Louis Popovic	1	0	PopovicCGNC22 [511]
Marc Porcheron	1	8	KhemmoudjPB06 [348]
Marc Pouly	1	2	KoehlerBFFHPSSS21 [352]
Guillaume Poved��	1	0	Poved��AA23 [513]
Matthias Prandtstetter	1	14	RendlPHPR12 [523]
Patrick Prosser	1	0	BeckPS03 [69]
Jakob Puchinger	1	14	RendlPHPR12 [523]
Jean-Francois Puget	1	6	Puget95 [517]
Vicen�� Puig	1	17	EscobetPQPRA19 [202]
Kenneth Pulliam	1	2	KrogtLPHJ07 [615]
Karim P��rez Mart��nez	1	1	MartnezAJ22 [432]
Kenny Qili Zhu	1	0	ZhuS02 [672]
Ming Qin	1	12	QinWLS21 [518]
Tianbao Qin	1	27	QinDCS20 [519]
Yang Qu	1	2	QuSN06 [520]
Yuchen Quan	1	2	ShiYXQ22 [556]
Joseba Quevedo	1	17	EscobetPQPRA19 [202]
Alain Quilliot	1	0	ArtiguesHQT21 [32]
Claude-Guy Quimper	1	0	FahimiQ23 [208]
Dominik R. Bleidorn	1	3	KlankeBYE21 [350]
Aliza R. Heching	1	10	HechingH16 [292]
Gregg R. Rabideau	1	0	HebrardALLCMR22 [289]
Camino R. Vela	1	0	AfsarVPG23 [8]
Chandra Reddy	1	1	DavenportKRSH07 [166]
Francisco Regis Abreu Gomes	1	1	GomesM17 [258]
Yaping Ren	1	100	MengZRZL20 [439]
Andrea Rendl	1	14	RendlPHPR12 [523]
Hamid Reza Feyzmahdavian	1	2	Astrand0F21 [36]
Vahid Riahi	1	0	RiahiNS018 [524]
Diane Riopel	1	84	KhayatLR06 [347]
Gregory Rix	1	1	PesantRR15 [505]
Geraldo Robson Mateus	1	1	GomesM17 [258]
Robert Rodosek	1	19	RodosekW98 [525]
Brian Rodrigues	1	5	LimRX04 [393]
Joaqu��n Rodr��guez	1	117	Rodr��guez07 [527]
Joaqu��n Rodr��guez	1	0	Rodr��guezDG02 [526]
Jerome Rogerie	1	148	LaborieRSV18 [376]
Mohammad Rohaninejad	1	0	Mehdizadeh-Somarin23 [434]
Maximiliano Rojel	1	0	YuraszekMCCR23 [658]
Juli Romera	1	17	EscobetPQPRA19 [202]
Roberto Rossi	1	6	RossiTHP07 [531]
Fran��ois Roubellat	1	84	ArtiguesR00 [33]
St��phanie Roussel	1	0	SquillaciPR23 [571]
Didier Rozzonelli	1	0	JourdanFRD94 [330]
Pascal Rubini	1	0	CatusseCBL16 [140]
Hana Rudov��	1	2	MurinR19 [456]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Rubén Ruiz	1	2	NaderiRR23 [464]
Martin Ruskowski	1	1	ParkUJR19 [500]
Anna Ryabokon	1	3	FriedrichFMRSSST14 [222]
William S. Havens	1	2	DilkinaDH05 [183]
Mohamed S. Gheith	1	1	AbohashimaEG21 [2]
Gregory S. Zaric	1	3	NaderiBZ22a [460]
Yagmur S. Gök	1	0	GokPTGO23 [275]
Yagmur S. Gök	1	2	GokGSTO20 [251]
David Sacramento	1	2	SacramentoSP20 [533]
Shahram Saeidi	1	1	AlizdehS20 [16]
Abderrahim Sahli	1	3	CarlierSJP21 [137]
Poonam Saini	1	3	PandeyS21a [496]
Fabio Salassa	1	0	AlfieriGPS23 [15]
Amir Salehipour	1	0	EtminaniesfahaniGNMS22 [203]
Sophia Saller	1	2	KoehlerBFFHPSSS21 [352]
Anastasia Salyaeva	1	2	KoehlerBFFHPSSS21 [352]
Guido Sand	1	381	HarjunkoskiMBC14 [283]
Maria Sander	1	3	FriedrichFMRSSST14 [222]
Eric Sanlaville	1	7	PoderBS04 [508]
Óscar Sapena	1	22	GarridoOS08 [230]
Özge Satir Akpunar	1	0	IsikYA23 [325]
Abdul Sattar	1	0	RiahiNS018 [524]
Peter Scheiblechner	1	2	KoehlerBFFHPSSS21 [352]
Klaus Schild	1	23	SchildW00 [539]
Thomas Schlechte	1	10	HeinzSSW12 [296]
Thorsten Schmidt	1	1	BenderWS21 [84]
Günter Schmidt	1	38	BlazewiczEP19 [97]
Alexander Schnell	1	24	SchnellH15 [540]
Philipp Schrott-Kostwein	1	0	KovacsTKSG21 [365]
Uwe Schwiegelshohn	1	4	LimtanyakulS12 [397]
Lena Secher Ejlersen	1	41	PourDERB18 [512]
Evgeny Selensky	1	0	BeckPS03 [69]
Thiago Serra	1	0	SerraNM12 [553]
Mei Sha	1	27	QinDCS20 [519]
Yufen Shao	1	48	GoelSHFS15 [250]
Xinyu Shao	1	2	ChenGPSH10 [147]
Ganquan Shi	1	2	ShiYXQ22 [556]
Zhongshun Shi	1	12	QinWSLS21 [518]
Leyuan Shi	1	12	QinWSLS21 [518]
Stuart Siegel	1	1	DavenportKRSH07 [166]
Maria Silvia Pini	1	1	GelainPRVW17 [241]
Vanessa Simard	1	0	BoudreaultSLQ22 [118]
Pawel Sitek	1	0	WikarekS19 [641]
M. Slusky	1	48	GoelSHFS15 [250]
Kate Smith-Miles	1	3	EdwardsBSE19 [194]
Juha-Pekka Soininen	1	2	QuSN06 [520]
Junbo Son	1	1	ZhuSZW23 [673]
Xiaoqing Song	1	1	ZhangLS12 [668]
Shahabeddin Sotudian	1	55	ZarandiASC20 [661]
Francis Sourd	1	7	SourdNO0 [570]
Helge Spieker	1	6	MossigeGSMC17 [452]
Samuel Squillaci	1	0	SquillaciPR23 [571]
Andreas Starzacher	1	3	FriedrichFMRSSST14 [222]
Wolfgang Steigerwald	1	0	GeitzGSSW22 [240]
Rüdiger Stephan	1	10	HeinzSSW12 [296]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Malgorzata Sterna	1	38	BlazewiczEP19 [97]
Gary Strohm	1	0	FoxAS82 [220]
Robin Stöhr	1	0	GeitzGSSW22 [240]
Christian Stürck	1	0	HubnerGSV21 [322]
Kaile Su	1	0	RiahiNS018 [524]
Wei Su	1	1	MakMS10 [423]
Kemal Subulan	1	5	SubulanC22 [572]
Premysl Sucha	1	2	BenediktSMVH18 [87]
Ipek Sugut	1	0	OrnekOS20 [489]
Quanxin Sun	1	24	TangLWSK18 [581]
Zheng Sun	1	4	SunLYL10 [574]
Suresh Sundaram	1	12	SureshMOK06 [575]
Pavel Surynek	1	2	BartakCS10 [56]
Jirí Svancara	1	0	SvancaraB22 [576]
Ria Szeredi	1	9	SzerediS16 [577]
Alina Sirbu	1	1	GalleguillosKSB19 [227]
William T. Lunardi	1	30	LunardiBLRV20 [417]
T. Taimre	1	0	ForbesHJST24 [218]
Yingcong Tan	1	1	TanT18 [579]
Siyu Tang	1	7	VlkHT21 [630]
Yuanjie Tang	1	24	TangLWSK18 [581]
Fabio Tardivo	1	0	TardivoDFMP23 [582]
Armagan Tarim	1	6	RossiTHP07 [531]
Ehsan Tarkesh Esfahani	1	0	YounespourAKE19 [652]
Nikolay Tchernev	1	4	BourreauGGLT22 [119]
Paolo Terenziani	1	1	BrusoniCLMMT96 [124]
William Tessaro Lunardi	1	0	Lunardi20 [418]
Stephan Teuschl	1	0	FrohnerTR19 [225]
Jordan Ticktin	1	0	HillTV21 [306]
Kevin Tierney	1	16	KelarevaTK13 [344]
Christian Timpe	1	42	Timpe02 [595]
Mary Tom	1	0	Tom19 [596]
Seyda Topaloglu	1	46	TopalogluO11 [597]
Miguel Toro	1	7	ValleMGTO3 [612]
Philippe Torres	1	26	TorresL00 [598]
Meriem Touat	1	0	TouatBT22 [599]
Touraivane	1	2	Touraivane95 [600]
Hélène Toussaint	1	0	ArtiguesHQT21 [32]
Mariem Trojet	1	11	TrojetHL11 [609]
S. Tunali	1	5	OzturkTHO12 [677]
Semra Tunah	1	27	OzturkTHO15 [678]
Paul Tyler	1	0	HebrardTW05 [291]
Jumyung Um	1	1	ParkUJR19 [500]
David Urbach	1	61	RoshanaeiLAU17 [529]
J. V. Moccellini	1	0	AbreuAPNM21 [167]
Sasha Van Cauwelaert	1	2	CauwelaertDS20 [143]
Alkis Vazacopoulos	1	0	AggounMV08 [10]
Thierry Vidal	1	58	BidotVLB09 [94]
Karen Villaverde	1	0	VillaverdeP04 [629]
Mariona Vilà	1	6	YuraszeckMPV22 [657]
Rebekka Volk	1	0	HubnerGSV21 [322]
Holger Voos	1	30	LunardiBLRV20 [417]
Thomas W. M. Vossen	1	0	HillTV21 [306]
Kai Waelti	1	2	KoehlerBFFHPSSS21 [352]
Runsun Wang	1	12	QinWSLS21 [518]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Futian Wang	1	24	TangLWSK18 [581]
Shouyang Wang	1	49	ZhangW18 [667]
Tao Wang	1	36	WangMD15 [637]
Yi Wang	1	8	GuoHLW20 [271]
Ezra Wari	1	11	WariZ19 [638]
John Wassick	1	381	HarjunoskiMBC14 [283]
Jan Weglarz	1	38	BlazewiczEP19 [97]
Kong Wei Lye	1	0	LauLN08 [382]
Johan Wessén	1	2	WessenCS20 [640]
Radosław Wichniarek	1	0	CzerniachowskaWZ23 [160]
Jaroslav Wikarek	1	0	WikarekS19 [641]
Campbell Wilson	1	6	He0GLW18 [288]
Michael Winkler	1	10	HeinzSSW12 [296]
David Wittwer	1	1	BenderWS21 [84]
Keith Womer	1	113	LiW08 [390]
Jianguo Wu	1	1	ZhuSZW23 [673]
Cheng-Hung Wu	1	14	NattafDYW19 [469]
Jörg Würtz	1	23	SchildW00 [539]
Quanshi Xia	1	13	ChuX05 [149]
Hegen Xiong	1	18	FanXG21 [211]
Zhou Xu	1	5	LimRX04 [393]
Yang Xu	1	2	ShiYXQ22 [556]
Tanya Y. Tang	1	6	TangB20 [580]
El Yaakoubi Anass	1	0	FallahiAC20 [210]
Hong Yan	1	8	HookerY02 [319]
Moli Yang	1	1	YangSS19 [651]
Zhouwang Yang	1	2	ShiYXQ22 [556]
Jia-Sheng Yao	1	2	HoYCLLC18 [307]
Min Yao	1	4	SunLYL10 [574]
Seung Yeob Shin	1	9	ShinBBHO18 [557]
Vassilios Yfantis	1	3	KlankeBYE21 [350]
Maryam Younespour	1	0	YounespourAKE19 [652]
Chunxia Yu	1	6	ZhangYW21 [666]
Xinghuo Yu	1	11	MartinPY01 [431]
Oleg Yu. Gusikhin	1	1	BarlattCG08 [52]
Claude Yugma	1	14	NattafDYW19 [469]
Peter Yun Zhang	1	8	TranPZLDB18 [604]
Pinar Yunusoglu	1	20	YunusogluY22 [655]
Marco Zaffalon	1	28	Darby-DowmanLMZ97 [164]
Boukhalfa Zahout	1	0	Zahout21 [659]
Stéphane Zampelli	1	3	DerrienPZ14 [181]
Bahram Zarrin	1	0	BarzegaranZP20 [61]
Shohre Zehtabian	1	0	EmdeZD22 [200]
Mengjie Zhang	1	0	abs-2402-00459 [473]
Haotian Zhang	1	0	ZhangJZL22 [664]
Luping Zhang	1	6	ZhangYW21 [666]
Chaoyong Zhang	1	100	MengZRZL20 [439]
Biao Zhang	1	100	MengZRZL20 [439]
Sicheng Zhang	1	49	ZhangW18 [667]
Xujun Zhang	1	1	ZhangLS12 [668]
Lihui Zhang	1	0	ZouZ20 [676]
Jiachen Zhang	1	0	ZhangBB22 [665]
Guoqing Zhang	1	0	NaderiBZ22 [461]
Xi Zhang	1	1	ZhuSZW23 [673]
Jinlian Zhou	1	0	ZhouGL15 [671]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Weihang Zhu	1	11	WariZ19 [638]
Jianjun Zhu	1	0	GuoZ23 [272]
Xuedong Zhu	1	1	ZhuSZW23 [673]
Pawel Zielinski	1	13	FortinZDF05 [219]
Jürgen Zimmermann	1	25	KreterSSZ18 [368]
Xin Zou	1	0	ZouZ20 [676]
Mathijs de Weerd	1	1	BogaerdW19 [614]
Bruno de Athayde Prata	1	0	AbreuAPNM21 [167]
Alexis de Clercq	1	0	Clercq12 [170]
Roman van der Krogt	1	2	KrogtLPHJ07 [615]
Pim van den Bogaerd	1	1	BogaerdW19 [614]
Willem-Jan van Hove	1	12	HookerH17 [318]
F.A. van der Schoot	1	0	ForbesHJST24 [218]
Stefano Di Alesio	1	3	AlesioNBG14 [182]
Ulas Özen	1	8	TerekhovDOB12 [587]
Selin Özpeynirci	1	31	GokgurHO18 [252]
Cemalettin Öztürk	1	31	OzturkTHO13 [495]
Nahum Álvarez	1	0	PovedaAA23 [513]
Seán Óg Murphy	1	1	MurphyMB15 [457]
Gizem Çakir	1	5	SubulanC22 [572]
M.A. Örnek	1	5	OzturkTHO12 [677]
Arslan Örnek	1	27	OzturkTHO15 [678]
C. Öztürk	1	5	OzturkTHO12 [677]
Cemalettin Öztürk	1	27	OzturkTHO15 [678]
Krzysztof Żywicki	1	0	CzerniachowskaWZ23 [160]

5 Most Cited Works

Table 9: Works from bibtex (Total 30)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
JainM99 JainM99	A. Jain, S. Meeran	Deterministic job-shop scheduling: Past, present and future	Yes	[326]	1999	European Journal of Operational Research	45	490	150	1367	1779
HarjunkoskiMBC14 HarjunkoskiMBC14	I. Harjunkoski, Christos T. Maravelias, P. Bongers, Pedro M. Castro, S. Engell, Ignacio E. Grossmann, John N. Hooker, C. Méndez, G. Sand, J. Wassick	Scope for industrial applications of production scheduling models and solution methods	Yes	[283]	2014	Computers Chemical Engineering	33	381	176	1350	1673
BlazewiczDP96 BlazewiczDP96	J. Błażewicz, W. Domschke, E. Pesch	The job shop scheduling problem: Conventional and new solution techniques	Yes	[126]	1996	European Journal of Operational Research	33	344	127	1292	1788
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[317]	2003	Mathematical Programming	28	317	0	1362	1755
BaptistePN01 BaptistePN01	P. Baptiste, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling	No	[50]	2001	Book	null	296	0	No	n/a
JainG01 JainG01	V. Jain, Ignacio E. Grossmann	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems	Yes	[327]	2001	INFORMS Journal on Computing	19	279	23	1366	1764
AggounB93 AggounB93	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	Yes	[9]	1993	Mathematical and Computer Modelling	17	187	11	1261	1793
Hooker00 Hooker00	John N. Hooker	Logic Based Methods for Optimization: Combining Optimization and Constraint Satisfaction	No	[308]	2000	Book	null	185	0	No	n/a
Hooker07 Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	Yes	[313]	2007	Operations Research	29	181	19	1360	1741
HarjunkoskiG02 HarjunkoskiG02	I. Harjunkoski, Ignacio E. Grossmann	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods	Yes	[282]	2002	Computers Chemical Engineering	20	169	11	1349	1759
BeldiceanuC94 BeldiceanuC94	N. Beldiceanu, E. Contejean	Introducing Global Constraints in CHIP	Yes	[78]	1994	Mathematical and Computer Modelling	27	167	8	1285	1791
LaborieRSV18 LaborieRSV18	P. Laborie, J. Rogerie, P. Shaw, P. Vilím	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	Yes	[376]	2018	Constraints An Int. J.	41	148	35	1385	1632
Laborie03 Laborie03	P. Laborie	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results	Yes	[373]	2003	Artificial Intelligence	38	128	10	1384	1757
OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[487]	2009	Constraints An Int. J.	35	127	15	1432	1728
KuB16 KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	Yes	[369]	2016	Computers Operations Research	9	119	17	1382	1652
Rodriguez07 Rodriguez07	J. Rodriguez	A constraint programming model for real-time train scheduling at junctions	Yes	[527]	2007	Transportation Research Part B: Methodological	15	117	6	1450	1742
LiW08 LiW08	H. Li, K. Womer	Scheduling projects with multi-skilled personnel by a hybrid MILP/CP benders decomposition algorithm	Yes	[390]	2008	Journal of Scheduling	18	113	31	1389	1734
CorreaLR07 CorreaLR07	Ayoub Insa Corréa, A. Langevin, L. Rousseau	Scheduling and routing of automated guided vehicles: A hybrid approach	Yes	[159]	2007	Computers Operations Research	20	106	20	1310	1740
MengZRZL20 MengZRZL20	L. Meng, C. Zhang, Y. Ren, B. Zhang, C. Lv	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem	Yes	[439]	2020	Computers Industrial Engineering	13	100	62	1408	1596
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	Yes	[91]	1999	Constraints An Int. J.	7	99	0	1290	1778

Table 9: Works from bibtex (Total 30)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
Pape94 Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	Yes	[497]	1994	Intelligent Systems Engineering	34	98	0	1441	1792
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[632]	1996	Constraints An Int. J.	30	87	55	1486	1790
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[185]	1990	J. Log. Program.	19	86	9	1314	1795
KhayatLR06 KhayatLR06	Ghada El Khayat, A. Langevin, D. Riopel	Integrated production and material handling scheduling using mathematical programming and constraint programming	Yes	[347]	2006	European Journal of Operational Research	15	84	14	1374	1745
ArtiguesR00 ArtiguesR00	C. Artigues, F. Roubellat	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes	Yes	[33]	2000	European Journal of Operational Research	20	84	3	1266	1767
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[536]	2000	Constraints An Int. J.	30	73	0	1457	1773
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	Yes	[601]	2016	INFORMS Journal on Computing	13	72	28	1479	1656
GombolayWS18 GombolayWS18	Matthew C. Gombolay, Ronald J. Wilcox, Julie A. Shah	Fast Scheduling of Robot Teams Performing Tasks With Temporospatial Constraints	Yes	[256]	2018	IEEE Transactions on Robotics	20	71	75	1336	1628
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[310]	2005	Constraints An Int. J.	17	68	11	1358	1750
Thorsteinsson01 Thorsteinsson01	Erlendur S. Thorsteinsson	Branch-and-Check: A Hybrid Framework Integrating Mixed Integer Programming and Constraint Logic Programming	Yes	[594]	2001	CP 2001	15	67	12	602	941

6 Problem Classification

Table 10: Problem Classification Types

Code	Name
JSSP	Job-Shop Scheduling Problem
JSPT	Job-Shop Scheduling Problem with Transportation
PP-MS-MMRCPSP/max-cal	partially preemptive- multi-skill/mode resource-constrained project scheduling problem with generalized precedence relations and resource calendars
RCPSP	Resource Constrained Project Scheduling Problem
TMS	Transmission Network Maintenance Planning
PMSP	Parallel Machine Scheduling Problem
HFF	Hybrid Flexible Flow-shop
$HFFm tt C_{\max}$	Hybrid Flexible Flowshop with Transportation Times
OSP	Oven Scheduling Problem
PTC	Scheduling Problem with Time Constraints
GCSP	Group Cumulative Scheduling Problem
2BPHFSP	Two-Stage Bin Packing and Hybrid Flow Shop Scheduling Problem
CTW	Cable Tree Wiring Problem
CHSP	Cyclic Hoist Scheduling Problem
CECSP	Continuous Energy-Constrained Scheduling Problem
CuSP	Cumulative Scheduling Problem
SBSFMMAL	Simultaneous Balancing and Scheduling of Flexible Mixed Model Assembly Lines
SMSDP	steel mill slab design problem
KRFP	kernel resource feasibility problem
TCSP	Temporal Constraint Satisfaction Problem
PJSSP	Pre-emptive Job-Shop scheduling Problem
MGAP	Modified Generalized Assignment Problem
EOSP	Earth Observation Scheduling Problem
SCC	Steel-making and continuous casting
OSSP	Open Shop Scheduling Problem
FJS	Fixed Job Scheduling
RCPSPDC	Resource-constrained Project Scheduling Problem with Discounted Cashflow
LSFRP	Liner Shipping Fleet Repositioning Problem
BPCTOP	Bulk Port Cargo Throughput Optimisation Problem

7 Concept Matching

In order to automatically find out properties of the articles, we try to find certain concepts in the pdf versions of the articles. We manually defined an ontology of important concepts to look for, and defined regular expressions that would recognize these concepts in the text. We use the *pdfgrep* command to search for the number of occurrences of certain regular expressions in the files. This often clearly identifies the constraints used in the model. We group the results by number of occurrences of the concept in the text of the work. Note that this is only approximate, as we do include the full pdf file in the search. A concept might only be mentioned in some of the title of citations used in the paper, we do count them in our results, as we were not able to remove the bibliography from the main body of the work.

Overall, if a work is not mentioned as using the concept, the the text does not contain a match to the corresponding regular expression. A fundamental limitation of this approach is that it only really works for text written in the language the regular expressions are designed for (in our case English), and not those written in another language. We could overcome this limitation by defining all concepts in other languages as well, and then using a language flag to identify the language the text is written in.

Note that we only show the first 30 matching entries in each concept category, and list the total number of matches if there are more than 30 matches.

7.1 Concept Type Concepts

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	Allen's algebra			
Concepts	BOM	SubulanC22 [572], OrnekO16 [488]		HoundjiSW19 [320], abs-1902-01193 [14]
Concepts	Benders Decomposition	ForbesHJST24 [218], JuvinHL23a [335], GuoZ23 [272], ZhuSZW23 [673], JuvinHL22 [333], EmdeZD22 [200], ElciOH22 [196], NaderiBZ22a [460], NaderiBZ22 [461], VlKHT21 [630], RoshanaeiBAUB20 [528], Hooker19 [316], TanT18 [579], GombolayWS18 [256], GoldwaserS18 [254], GomesM17 [258], HookerH17 [318], CireCH16 [151], Froger16 [224], HechingH16 [292], TranAB16 [601], BajestaniB15 [43], BajestaniB13 [42], CireCH13 [150], HeinzKB13 [295], TranB12 [602], LombardiM12 [409], LimtanyakulS12 [397], HeinzB12 [294]... (Total: 47)	NaderiRR23 [464], TangB20 [580], Laborie18a [375], TranVNB17 [606], RoshanaeiLAU17 [529], GoldwaserS17 [253], HarjunkskiMBC14 [283], GuyonLPR12 [274], LombardiMRB10 [412], BeniniLMR08 [89], Hooker05a [311], HookerY02 [319]	PrataAN23 [516], PovedaAA23 [513], AlfieriGPS23 [15], JuvinHHL23 [332], LuoB22 [420], FarsiTM22 [212], Godet21a [248], Mercier-AubinGQ20 [441], Polo-MejiaALB20 [510], QinDCS20 [519], WallaceY20 [634], MengZRZL20 [439], AntunesABD20 [20], MurinR19 [456], FrimodigS19 [223], LaborieRSV18 [376], CappartTSR18 [131], AntunesABD18 [19], BoothNB16 [115], FontaineMH16 [217], Fahimi16 [206], EvenSH15a [205], BurtLPS15 [125], EvenSH15 [204], LipovetzkyBPS14 [398], KoschB14 [357], BlomBPS14 [99], KelarevaTK13 [344], TerekhovDOB12 [587]... (Total: 38)
Concepts	Logic-Based Decomposition	Benders		
Concepts	activity	TardivoDFMP23 [582], GokPTGO23 [275], PovedaAA23 [513], AalianPG23 [1], PenzDN23 [502], CampeauG22 [129], SvancaraB22 [576], TouatBT22 [599], SubulanC22 [572], BenderWS21 [84], KlankeBYE21 [350], Astrand21 [35], HubnerGSV21 [322], Godet21a [248], ZarandiASC20 [661], CauwelaertDS20 [143], HauderBRPA20 [287], Polo-MejiaALB20 [510], AstrandJZ20 [38], BadicaBI20 [39], ZouZ20 [676], ThomasKS20 [593], abs-1902-09244 [286], GeibingerMM19 [238], NattafHKAL19 [470], YounespourAKE19 [652], Caballero19 [127], BadicaBIL19 [40], abs-1911-04766 [237]... (Total: 170)	BonninMNE24 [114], YuraszeckMCCR23 [658], AfsarVPG23 [8], Bit-Monnot23 [96], BoudreaultSLQ22 [118], PopovicCGNC22 [511], Lunardi20 [418], LunardiBLRV20 [417], AntunesABD20 [20], GokGSTO20 [251], Hooker19 [316], EscobetPQPRA19 [202], Novas19 [478], YangSS19 [651], ShinBBHO18 [557], SchuttS16 [550], BoothNB16 [115], TranWDRFOVB16 [608], OrnekO16 [488], VilimLS15 [628], Derrien15 [179], GoelSHFS15 [250], HarjunkskiMBC14 [283], DoulabiRP14 [190], LombardiM13 [410], LombardiMB13 [411], Clercq12 [170], BonfiettiM12 [112], ChapadosJR11 [146]... (Total: 52)	PrataAN23 [516], GuoZ23 [272], JuvinHL23a [335], abs-2312-13682 [504], CzerniachowskaWZ23 [160], ShaikhK23 [554], SquillaciPR23 [571], abs-2305-19888 [300], PerezGSL23 [503], PohlAK22 [509], OuelletQ22 [492], MullerMKP22 [455], JuvinHL22 [333], YunusogluY22 [655], HeinzNVH22 [299], abs-2211-14492 [573], HebrardALLCMR22 [289], EtminaniesfahaniGNMS22 [203], Groleaz21 [264], HillTV21 [306], Zahout21 [659], GeibingerMM21 [239], Astrand0F21 [36], ZhangYW21 [666], PandeyS21a [496], QinDCS20 [519], Mercier-AubinGQ20 [441], SacramentoSP20 [533], RoshanaeiBAUB20 [528]... (Total: 92)
Concepts	batch process	LacknerMMWW23 [378], LacknerMMWW21 [377], QinWLSL21 [518], ZarandiASC20 [661], HamC16 [280], NovaraNH16 [477], KoschB14 [357], HarjunkskiMBC14 [283], Malapert11 [424]	TangB20 [580], NovasH10 [479], Vilim02 [619], SimonisC95 [568]	PrataAN23 [516], IsikYA23 [325], Adalgren2023 [7], YuraszeckMCCR23 [658], MullerMKP22 [455], SvancaraB22 [576], EmdeZD22 [200], LiFJZLL22 [391], ColT22 [161], AbreuN22 [168], GeitzGSSW22 [240], YunusogluY22 [655], OujanaAYB22 [493], LuoB22 [420], FanXG21 [211], ZhangYW21 [666], KlankeBYE21 [350], MengZRZL20 [439], Lunardi20 [418], CauwelaertDS20 [143], EscobetPQPRA19 [202], FahimiOQ18 [207], Ham18a [278], Ham18 [277], LaborieRSV18 [376], Fahimi16 [206], CauwelaertDMS16 [141], Dejemeppe16 [173], Froger16 [224]... (Total: 36)
Concepts	bill of material		OrnekO16 [488]	Simonis07 [566]
Concepts	blocking constraint	AbreuNP23 [169], RiahiNS018 [524]		IsikYA23 [325], LiFJZLL22 [391], MengZRZL20 [439], Rodriguez07 [527]
Concepts	buffer-capacity		SureshMOK06 [575]	LiFJZLL22 [391], OujanaAYB22 [493], RiahiNS018 [524], BonfiettiLBM14 [109], NovasH14 [481], TerekhovTDB14 [588], ZeballosH05 [662]

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	cmax	Fatemi-AnarakiTFV23 [213], YuraszeckMCCR23 [658], KameugneFND23 [340], NaderiRR23 [464], ZhuSZW23 [673], JuvinHHL23 [332], AbreuNP23 [169], YuraszeckMC23 [656], abs-2305-19888 [300], IsikYA23 [325], FetgoD22 [215], EtminaniefahaniGNMS22 [203], AbreuN22 [168], abs-2211-14492 [573], YunusogluY22 [655], JuvinHL22 [333], ZhangBB22 [665], ArmstrongGOS21 [26], Godet21a [248], QinWLS21 [518], Groleaz21 [264], AbohashimaEG21 [2], Polo-MejiaALB20 [510], MejiaY20 [435], MengZRZL20 [439], Lunardi20 [418], QinDCS20 [519], GodetLHS20 [249], YounespourAKE19 [652]... (Total: 65)	Mehdizadeh-Somarin23 [434], MullerMKP22 [455], ArmstrongGOS22 [27], BoudreaultSLQ22 [118], AbreuAPNM21 [167], HamPK21 [279], ArkhipovBL19 [25], Novas19 [478], ParkUJR19 [500], ArbaouiY18 [24], GrimesH15 [261], WangMD15 [637], ZhouGL15 [671], MenciaSV13 [438], MenciaSV12 [437], ZhangLS12 [668], BeckFW11 [66], BartakSR10 [58], OzturkTHO10 [494], MoffittPP05 [446], Muscettola02 [458], SourdN00 [570], ArtiguesR00 [33]	JuvinHL23 [334], Teppan22 [586], ZhangYW21 [666], HanenKP21 [281], HubnerGSV21 [322], ZarandiASC20 [661], GokgurHO18 [252], LiuCGM17 [400], BofillCSV17 [103], OrnekO16 [488], SialaAH15 [560], SchnellH15 [540], KoschB14 [357], LombardiMB13 [411], SchuttFSW13 [548], Letort13 [386], MalapertCGJLR13 [426], TerekhovDOB12 [587], GuSW12 [270], Schutt11 [541], abs-1009-0347 [546], LiessM08 [392], WatsonB08 [639], AkkerDH07 [613], KeriK07 [346], KhayatLR06 [347], Laborie03 [373], BaptisteP00 [49], FocacciLN00 [216]
Concepts	completion-time	PrataAN23 [516], BonninMNE24 [114], AbreuNP23 [169], Mehdiadeh-Somarin23 [434], ZhuSZW23 [673], Fatemi-AnarakiTFV23 [213], AlferiGPS23 [15], AbreuPNF23 [3], KameugneFND23 [340], JuvinHL23 [334], PenzDN23 [502], NaderiRR23 [464], EmdeZD22 [200], OuelletQ22 [492], FetgoD22 [215], YuraszeckMPV22 [657], JuvinHL22 [333], AbreuN22 [168], YunusogluY22 [655], SubulanC22 [572], NaderiBZ22 [461], KlankeBYE21 [350], Bedhief21 [74], Groleaz21 [264], Astrand21 [35], ArmstrongGOS21 [26], LunardiBLRV20 [417], QinDCS20 [519], CauwelaertDS20 [143]... (Total: 92)	GokPTGO23 [275], AfsarVPG23 [8], CzerniachowskaWZ23 [160], abs-2305-19888 [300], LiFJZLL22 [391], ZhangBB22 [665], abs-2211-14492 [573], MullerMKP22 [455], ColT22 [161], Teppan22 [586], NaderiBZ22a [460], TouatBT22 [599], OujanaAYB22 [493], HeinzNVH22 [299], FanXG21 [211], GeibingerMM21 [239], QinWLS21 [518], AbreuAPNM21 [167], HanenKP21 [281], NattafM20 [471], Mercier-AubinGQ20 [441], Polo-MejiaALB20 [510], abs-1902-09244 [286], BogaardtW19 [614], GeibingerMM19 [238], ParkUJR19 [500], YangSS19 [651], abs-1911-04766 [237], MalapertN19 [427]... (Total: 62)	abs-2402-00459 [473], TasselGS23 [583], MontemanniD23a [450], AkramNHRSA23 [13], IsikYA23 [325], JuvinHHL23 [332], Adelgren2023 [7], abs-2306-05747 [584], PerezGSL23 [503], FarsiTM22 [212], PopovicCGNC22 [511], CampeauG22 [129], PohlAK22 [509], GeitzGSSW22 [240], ZhangJZL22 [664], WinterMMW22 [642], ArmstrongGOS22 [27], HubnerGSV21 [322], Zahout21 [659], VlkHT21 [630], HamPK21 [279], Godet21a [248], PandeyS21a [496], WessenCS20 [640], MengZRZL20 [439], GodetLHS20 [249], SacramentoSP20 [533], ZouZ20 [676], AstrandJZ20 [38]... (Total: 109)
Concepts	continuous-process	HarjunkoskiMBC14 [283]		FarsiTM22 [212], Dejemeppe16 [173], GaySS14 [234], Bartak02 [54], SimonisC95 [568]
Concepts	distributed	PrataAN23 [516], GuoZ23 [272], NaderiRR23 [464], Zahout21 [659], ZarandiASC20 [661], MengZRZL20 [439], He0GLW18 [288], GombolayWS18 [256], TranPZLDB18 [604], RoshanaeiLAU17 [529], BridiLBBM16 [122], BridiBLMB16 [121], ZhouGL15 [671], TerekhovTDB14 [588], BonfiettiLM14 [111], BartakS11 [57], BartakSR10 [58], LombardiMRB10 [412], WuBB09 [650], RuggieroBBMA09 [532], BeckW07 [73], HoeveGSL07 [616], RossiTHP07 [531], SureshMOK06 [575], GomesHS06 [257], Geske05 [243], BeckW04 [71], Beck99 [62], LammaMM97 [381]	AbreuPNF23 [3], ShaikhK23 [554], GokPTGO23 [275], AbreuNP23 [169], IsikYA23 [325], JungblutK22 [331], NaderiBZ22a [460], OrnekOS20 [489], AbreuN22 [168], OujanaAYB22 [493], YuraszeckMPV22 [657], ElciOH22 [196], Godet21a [248], AbreuAPNM21 [167], GokGSTO20 [251], MokhtarzadehTNF20 [447], RoshanaeiBAUB20 [528], ZouZ20 [676], Caballero19 [127], NishikawaSTT19 [476], BorghesiBLMB18 [116], ZhangW18 [667], GomesM17 [258], BlomPS16 [100], ZarandiKS16 [660], GrimesH15 [261], HarjunkoskiMBC14 [283], BlomBPS14 [99], AlesionNBG14 [182]... (Total: 44)	ForbesHJST24 [218], Bit-Monnot23 [96], MontemanniD23 [451], Adelgren2023 [7], abs-2305-19888 [300], SquillaciPR23 [571], Fatemi-AnarakiTFV23 [213], YuraszeckMC23 [656], ZhuSZW23 [673], KimCMLLP23 [349], AlferiGPS23 [15], GurPAE23 [273], JuvinHL23a [335], AkramNHRSA23 [13], abs-2211-14492 [573], EmdeZD22 [200], NaderiBZ22 [461], TouatBT22 [599], Teppan22 [586], BoudreaultSLQ22 [118], ColT22 [161], LiFJZLL22 [391], FarsiTM22 [212], WinterMMW22 [642], ZhangBB22 [665], HeinzNVH22 [299], JuvinHL22 [333], Astrand21 [35], FanXG21 [211]... (Total: 137)

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	due-date	AfsarVPG23 [8], OujanaAYB22 [493], ColT22 [161], NaderiBZ22 [461], AntuoriHHEN21 [22], FanXG21 [211], Groleaz21 [264], AntuoriHHEN20 [21], ZarandiASC20 [661], TangB20 [580], HauderBRPA20 [287], Mercier-AubinGQ20 [441], Lunardi20 [418], AntunesABD20 [20], HoundjiSW19 [320], Novas19 [478], abs-1911-04766 [237], abs-1902-09244 [286], GoldwaserS18 [254], Tesch18 [590], GoldwaserS17 [253], Fahimi16 [206], NovaraNH16 [477], Dejemeppe16 [173], BajestaniB15 [43], DoulabiRP14 [190], HarjunkoskiMBC14 [283], KoschB14 [357], HoundjiSWD14 [321]... (Total: 58)	PrataAN23 [516], IsikYA23 [325], LacknerMMWW23 [378], NaderiRR23 [464], YunusogluY22 [655], abs-2211-14492 [573], WinterMMW22 [642], Godet21a [248], LacknerMMWW21 [377], GeibingerMM21 [239], GroleazNS20a [265], GeibingerMM19 [238], AntunesABD18 [19], FahimiOQ18 [207], ZarandiKS16 [660], CatusseCBL16 [140], GrimesH15 [261], GrimesIOS14 [263], HeinzSB13 [298], CobanH11 [154], GrimesH11 [260], Malapert11 [424], LombardiM10a [406], Lombardi10 [402], MakMS10 [423], SchuttW10 [551], Davenport10 [165], ThiruvadyBME09 [591], abs-0907-0939 [506]... (Total: 45)	abs-2402-00459 [473], AbreuPNF23 [3], YuraszeckMC23 [656], JuvinHHL23 [332], KimCMLLP23 [349], TouatBT22 [599], YuraszeckMPV22 [657], ElciOH22 [196], ZhangJZL22 [664], SubulanC22 [572], MullerMKP22 [455], Astrand21 [35], HubnerGSV21 [322], VlkHT21 [630], KlankeBYE21 [350], Bedhief21 [74], KovacsTKSG21 [365], Zahout21 [659], HanenKP21 [281], MejiaY20 [435], Polo-MejiaALB20 [510], GroleazNS20 [266], LunardiBLRV20 [417], AstrandJZ20 [38], Hooker19 [316], ParkUJR19 [500], EscobetPQPRA19 [202], GokgurHO18 [252], GedikKEK18 [235]... (Total: 86)
Concepts	earliness	PrataAN23 [516], KimCMLLP23 [349], PohlAK22 [509], TouatBT22 [599], Groleaz21 [264], ZarandiASC20 [661], HauderBRPA20 [287], abs-1902-09244 [286], LaborieRSV18 [376], ZarandiKS16 [660], Dejemeppe16 [173], GrimesH15 [261], LombardiM12 [409], KelbelH11 [345], GrimesH11 [260], MonetteDH09 [449], Laborie09 [374], KeriK07 [346], BeckR03 [70], DannaP03 [163]	FarsiTM22 [212], AntunesABD20 [20], MengZRZL20 [439], TerekhovDOB12 [587], KovacsB11 [360], Davenport10 [165], Baptiste02 [44]	abs-2402-00459 [473], NaderiRR23 [464], AbreuNP23 [169], PenzDN23 [502], AlfieriGPS23 [15], LacknerMMWW23 [378], AbreuPNF23 [3], IsikYA23 [325], EtminaniesfahaniGNMS22 [203], YunusogluY22 [655], LacknerMMWW21 [377], FanXG21 [211], Polo-MejiaALB20 [510], Mercier-AubinGQ20 [441], ColT19 [157], AntunesABD18 [19], ZhangW18 [667], German18 [242], GokgurHO18 [252], KuB16 [369], NovaraNH16 [477], OrnekO16 [488], Siala15a [559], VilimLS15 [628], LimBTBB15 [395], Siala15 [558], SialaAH15 [560], HarjunkoskiMBC14 [283], BajestaniB13 [42]... (Total: 46)
Concepts	flow-shop	BonninMNE24 [114], PrataAN23 [516], NaderiRR23 [464], AlfieriGPS23 [15], IsikYA23 [325], AbreuPNF23 [3], AbreuNP23 [169], CzerniachowskaWZ23 [160], JuvinHL23 [334], ArmstrongGOS22 [27], AbreuN22 [168], LiFJZLL22 [391], OujanaAYB22 [493], ColT22 [161], ZhangJZL22 [664], Astrand21 [35], QinWSLS21 [518], ArmstrongGOS21 [26], Bedhief21 [74], Groleaz21 [264], AbreuAPNM21 [167], MengZRZL20 [439], AstrandJZ20 [38], ZarandiASC20 [661], Lunardi20 [418], Novas19 [478], ParkUJR19 [500], ZhangW18 [667], ZhouGL15 [671]... (Total: 38)	JuvinHL23a [335], Mehdizadeh-Somarin23 [434], NaderiBZ22 [461], YuraszeckMPV22 [657], JuvinHL22 [333], KoehlerBFFHPSSS21 [352], Godet21a [248], FanXG21 [211], TangB20 [580], HauderBRPA20 [287], abs-1902-09244 [286], GombolayWS18 [256], LaborieRSV18 [376], Fahimi16 [206], Dejemeppe16 [173], GuyonLPR12 [274], GrimesH11 [260], KovacsB11 [360], BartakSR10 [58], JainM99 [326], AggounB93 [9]	TasselGS23 [583], YuraszeckMCCR23 [658], abs-2305-19888 [300], JuvinHHL23 [332], AfsarVPG23 [8], AalianPG23 [1], abs-2306-05747 [584], abs-2211-14492 [573], TouatBT22 [599], Teppan22 [586], NaderiBZ22a [460], HeinzNVH22 [299], HamPK21 [279], LacknerMMWW21 [377], HillTV21 [306], Zahout21 [659], abs-2102-08778 [156], KovacsTKSG21 [365], PandeyS21a [496], WallaceY20 [634], LunardiBLRV20 [417], SacramentoSP20 [533], WikarekS19 [641], TanT18 [579], RiahiNS018 [524], GokgurHO18 [252], GoldwaserS18 [254], HookerH17 [318], Nattafl16 [465]... (Total: 63)
Concepts	flow-time	BonninMNE24 [114], PenzDN23 [502], EmdeZD22 [200], YuraszeckMPV22 [657], FanXG21 [211], NattaFM20 [471], ZarandiASC20 [661], MalapertN19 [427], ZhangW18 [667], TerekhovTDB14 [588], TranTDB13 [605], WuBB09 [650], Baptiste02 [44]	PrataAN23 [516], AlfieriGPS23 [15], YunusogluY22 [655], Malapert11 [424], BeckW07 [73]	YuraszeckMCCR23 [658], TasselGS23 [583], abs-2306-05747 [584], YuraszeckMC23 [656], LiFJZLL22 [391], AbreuN22 [168], KoehlerBFFHPSSS21 [352], MengZRZL20 [439], Novas19 [478], ParkUJR19 [500], BajestaniB15 [43], MenciaSV13 [438], MenciaSV12 [437], EdisO11 [192], KovacsB11 [360], QuirogaZH05 [521], BeckPS03 [69], BeckR03 [70]

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	inventory	GuoZ23 [272], SubulanC22 [572], Astrand21 [35], German18 [242], GilesH16 [245], GoelSHFS15 [250], HarjunkoskiMBC14 [283], SerraNM12 [553], TerekhovDOB12 [587], LopesCSM10 [413], Jans09 [328], RossiTHP07 [531], Timpe02 [595], Beck99 [62], BeckDF97 [65]	Adelgren2023 [7], EmdeZD22 [200], ZarandiASC20 [661], Novas19 [478], Hooker19 [316], Ham18a [278], BajestaniB13 [42], MakMS10 [423], LauLN08 [382], MouraSCL08a [453], GarganiR07 [228], DavenportKRSH07 [166], BeckF00 [68], Simonis99 [565], BlazewiczDP96 [126], Simonis95a [563]	PrataAN23 [516], PerezGSL23 [503], abs-2312-13682 [504], ZhuSZW23 [673], GokPTGO23 [275], AlfieriGPS23 [15], GurPAE23 [273], PohlAK22 [509], YunusogluY22 [655], AbreuN22 [168], Groleaz21 [264], KovacsTKSG21 [365], HubnerGSV21 [322], HauderBRPA20 [287], GroleazNS20a [265], GroleazNS20 [266], YounespourAKE19 [652], HoundjiSW19 [320], abs-1902-09244 [286], WikarekS19 [641], Ham18 [277], LaborieRSV18 [376], ShinBBHO18 [557], GomesM17 [258], Nattaf16 [465], SchuttS16 [550], Froger16 [224], OrnekO16 [488], SimoninAHL15 [562]... (Total: 54)
Concepts	job	abs-2402-00459 [473], PrataAN23 [516], ForbesHJST24 [218], AbreuPNF23 [3], JuviniHHL23 [332], PenzDN23 [502], AlfieriGPS23 [15], YuraszeckMC23 [656], AfsarVPG23 [8], LacknerMMWW23 [378], Bit-Monnot23 [96], ZhuSZW23 [673], Fatemi-AnarakiTFV23 [213], Mehdizadeh-Somarin23 [434], KimCMLLP23 [349], AbreuNP23 [169], IsikYA23 [325], WangB23 [636], CzerniachowskaWZ23 [160], abs-2306-05747 [584], NaderiRR23 [464], JuviniHL23 [334], TasselGS23 [583], JuviniHL23a [335], YuraszeckMCCR23 [658], EtminaniefahaniGNMS22 [203], TouatBT22 [599], MullerMKP22 [455], ArmstrongGOS22 [27]... (Total: 268)	BonninMNE24 [114], ShaikhK23 [554], abs-2305-19888 [300], EfthymiouY23 [195], Adelgren2023 [7], LuoB22 [420], HeinzNVH22 [299], BourreauGGLT22 [119], HanenKP21 [281], Lemos21 [385], Mercier-AubinGQ20 [441], GokGSTO20 [251], MokhtarzadehTNF20 [447], RoshanaeiBAUB20 [528], ArkhipovBL19 [25], EscobetPQPRA19 [202], Tom19 [596], GurEA19 [679], German18 [242], PourDERB18 [512], NattafAL17 [467], CappartS17 [130], RoshanaeiLAU17 [529], ZarandiKS16 [660], TranWDRFOVB16 [608], Madi-WambaB16 [421], CatusseCBL16 [140], LetortCB15 [389], Derrien15 [179]... (Total: 60)	PovedaAA23 [513], GuoZ23 [272], GokPTGO23 [275], PohlAK22 [509], CampeauG22 [129], KlankeBYE21 [350], HubnerGSV21 [322], AntuoriHHEN21 [22], BenderWS21 [84], QinDCS20 [519], Polo-MejiaALB20 [510], WessenCS20 [640], AntuoriHHEN20 [21], FrimodigS19 [223], HoYCLLC18 [307], ShinBBHO18 [557], CauwelaertLS18 [142], TangLWSK18 [581], BaptisteB18 [46], TranVNB17 [606], NovaraNH16 [477], HechingH16 [292], WangMD15 [637], BurtLPS15 [125], BartakV15 [59], LimBTBB15 [395], LombardiBM15 [403], MelgarejoLS15 [11], DerrienPZ14 [181]... (Total: 82)
Concepts	job-shop	abs-2402-00459 [473], PrataAN23 [516], YuraszeckMCCR23 [658], abs-2306-05747 [584], JuviniHL23a [335], JuviniHHL23 [332], AfsarVPG23 [8], AbreuNP23 [169], Mehdizadeh-Somarin23 [434], Fatemi-AnarakiTFV23 [213], ZhuSZW23 [673], KimCMLLP23 [349], CzerniachowskaWZ23 [160], Bit-Monnot23 [96], NaderiRR23 [464], TasselGS23 [583], Teppan22 [586], NaderiBZ22a [460], OujanaAYB22 [493], LiFJZLL22 [391], ColT22 [161], MullerMKP22 [455], ZhangBB22 [665], abs-2211-14492 [573], YuraszeckMPV22 [657], GeitzGSSW22 [240], JuviniHL22 [333], Astrand21 [35], KovacsTKSG21 [365]... (Total: 132)	AbreuPNF23 [3], PenzDN23 [502], EfthymiouY23 [195], IsikYA23 [325], AlfieriGPS23 [15], NaderiBZ22 [461], EtminaniefahaniGNMS22 [203], TouatBT22 [599], YunusogluY22 [655], AbreuN22 [168], LuoB22 [420], QinWSLS21 [518], ArmstrongGOS21 [26], KoehlerBFFHPSSS21 [352], Godet21a [248], AstrandOF21 [36], MejiaY20 [435], GroleazNS20 [266], SacramentoSP20 [533], ArkhipovBL19 [25], WikarekS19 [641], EscobetPQPRA19 [202], GokgurHO18 [252], German18 [242], MossigeGSMC17 [452], CappartS17 [130], Derrien15 [179], Kameugne14 [337], BonfiettiLM14 [111]... (Total: 54)	ForbesHJST24 [218], BonninMNE24 [114], Adelgren2023 [7], ShaikhK23 [554], PovedaAA23 [513], GokPTGO23 [275], YuraszeckMC23 [656], GuoZ23 [272], LacknerMMWW23 [378], JuviniHL23 [334], EmdeZD22 [200], HanenKP21 [281], Lemos21 [385], KlankeBYE21 [350], AntuoriHHEN21 [22], Zahout21 [659], GokGSTO20 [251], HauderBRPA20 [287], AntuoriHHEN20 [21], RoshanaeiBAUB20 [528], BenediktMH20 [86], WessenCS20 [640], Mercier-AubinGQ20 [441], WallaceY20 [634], NattafDYW19 [469], BogaerdTW19 [614], abs-1902-09244 [286], Tom19 [596], Hooker19 [316]... (Total: 106)
Concepts	lateness	Groleaz21 [264], FahimiOQ18 [207], Fahimi16 [206], Dejemeppe16 [173], KoschB14 [357], Malapert11 [424], BartakSR10 [58], Geske05 [243], Baptiste02 [44], ArtiguesR00 [33], BlazewiczDP96 [126]	PrataAN23 [516], PohlAK22 [509], ZarandiASC20 [661], AntunesABD20 [20], ZhangW18 [667], HarjunkoskiMBC14 [283], MilanoW09 [445], AkkerDH07 [613], MilanoW06 [444], Sadykov04 [534]	LacknerMMWW23 [378], YunusogluY22 [655], NaderiBZ22 [461], GeitzGSSW22 [240], ColT22 [161], ZhangBB22 [665], LacknerMMWW21 [377], Godet21a [248], KoehlerBFFHPSSS21 [352], HanenKP21 [281], QinWSLS21 [518], Lunardi20 [418], Novas19 [478], ArkhipovBL19 [25], ParkUJR19 [500], AntunesABD18 [19], Tesch18 [590], GrimesH15 [261], BartakV15 [59], MenciaSV13 [438], MenciaSV12 [437], TerekhovDOB12 [587], EdisO11 [192], ChenGPSH10 [147], NovasH10 [479], WuBB09 [650], SadykovW06 [535], Bartak02 [54], JainM99 [326]

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	lazy clause generation	Caballero19 [127], KreterSSZ18 [368], KreterSS17 [367], Siala15 [558], Siala15a [559], KreterSS15 [366], SchuttFS13 [544], SchuttFSW13 [548], SchuttFS13a [543], KelarevaTK13 [344], Schutt11 [541], SchuttFSW11 [547], abs-1009-0347 [546], SchuttFSW09 [545], OhrimenkoSC09 [487]	PovedaAA23 [513], Bit-Monnot23 [96], BoudreaultSLQ22 [118], GeitzGSSW22 [240], OuelletQ22 [492], FahimiOQ18 [207], SchuttS16 [550], SzerediS16 [577], SchnellH15 [540], SialaAH15 [560], BofillEGPSV14 [104], GuSS13 [268], SchuttCSW12 [542]	AbreuPNF23 [3], TardivoDFMP23 [582], WangB23 [636], KameugneFND23 [340], FetgoD22 [215], EtmianiesfahaniGNMS22 [203], Godet21a [248], HillTV21 [306], GeibingerMM21 [239], GodetLHS20 [249], WallaceY20 [634], Mercier-AubinGQ20 [441], YangSS19 [651], BaptisteB18 [46], GoldwaserS18 [254], YoungFS17 [653], BofillCSV17 [103], GoldwaserS17 [253], AmadiniGM16 [17], PesantRR15 [505], GuSW12 [270], LombardiM12 [409], GrimesH11 [260], Lombardi10 [402], SchuttW10 [551], MilanoW09 [445]
Concepts	machine	abs-2402-00459 [473], BonninMNE24 [114], PrataAN23 [516], Fatemi-AnarakiTFV23 [213], PenzDN23 [502], YuraszcekMCCR23 [658], JuvinHL23a [335], ZhuSZW23 [673], AalianPG23 [1], AbreuPNF23 [3], JuvinHHL23 [332], abs-2312-13682 [504], LacknerMMWW23 [378], AlfieriGPS23 [15], AfsarVPG23 [8], KimCMLLP23 [349], IsikYA23 [325], CzerniachowskaWZ23 [160], AbreuNP23 [169], Adलगren2023 [7], NaderiRR23 [464], TasselGS23 [583], Mehdizadeh-Somarin23 [434], JuvinHL23 [334], GuoZ23 [272], PerezGSL23 [503], EfthymiouY23 [195], abs-2306-05747 [584], YuraszcekMC23 [656]... (Total: 262)	ForbesHJST24 [218], AkramNHRSA23 [13], GurPAE23 [273], Bit-Monnot23 [96], GokPTGO23 [275], OrnekOS20 [489], EtmianiesfahaniGNMS22 [203], LuoB22 [420], ElciOH22 [196], HillTV21 [306], KlankeBYE21 [350], Lemos21 [385], AbohashimaEG21 [2], Polo-MejiaALB20 [510], RoshanaeiBAUB20 [528], AntuoriHHEN20 [21], BehrensLM19 [76], GoldwaserS18 [254], BaptisteB18 [46], He0GLW18 [288], Ham18 [277], ShinBBHO18 [557], MusliuSS18 [459], FahimiOQ18 [207], GoldwaserS17 [253], CohenHB17 [155], KreterSS17 [367], Pralet17 [514], SchuttS16 [550]... (Total: 71)	ShaikhK23 [554], KameugneFND23 [340], MontemanniD23 [451], BoudreaultSLQ22 [118], PopovicCGNC22 [511], SubulanC22 [572], PohlAK22 [509], GeibingerMM21 [239], ArtiguesHQT21 [32], WallaceY20 [634], BarzegaranZP20 [61], Mercier-AubinGQ20 [441], WangB20 [635], ArkhipovBL19 [25], YounespourAKE19 [652], YangSS19 [651], NattafHKAL19 [470], BadicaBIL19 [40], NishikawaSTT19 [476], Tom19 [596], AntunesABD18 [19], KreterSSZ18 [368], HoYCLLC18 [307], PourDERB18 [512], Laborie18a [375], CauwelaertLS18 [142], TranVNB17a [607], KletzanderM17 [351], LiuCGM17 [400]... (Total: 122)
Concepts	make to order			OujanaAYB22 [493], DavenportKRSH07 [166], Simonis07 [566]
Concepts	make to stock			HarjunkskiMBC14 [283]
Concepts	make-span	PrataAN23 [516], Mehdizadeh-Somarin23 [434], AbreuNP23 [169], EfthymiouY23 [195], PovedaAA23 [513], AfsarVPG23 [8], JuvinHL23a [335], abs-2306-05747 [584], AalianPG23 [1], CzerniachowskaWZ23 [160], AbreuPNF23 [3], JuvinHHL23 [332], YuraszcekMC23 [656], ZhuSZW23 [673], IsikYA23 [325], JuvinHL23 [334], AlfieriGPS23 [15], abs-2305-19888 [300], NaderiRR23 [464], TasselGS23 [583], Bit-Monnot23 [96], LacknerMMWW23 [378], AbreuN22 [168], YunusogluY22 [655], ZhangBB22 [665], HeinzNVH22 [299], JuvinHL22 [333], GeitzGSSW22 [240], BoudreaultSLQ22 [118]... (Total: 197)	BonninMNE24 [114], KameugneFND23 [340], YuraszcekMCCR23 [658], abs-2312-13682 [504], Adलगren2023 [7], PerezGSL23 [503], PenzDN23 [502], MullerMKP22 [455], SvancaraB22 [576], ZhangJZL22 [664], abs-2211-14492 [573], YuraszcekMPV22 [657], OujanaAYB22 [493], LiFJZLL22 [391], PandeyS21a [496], FanXG21 [211], QinDCS20 [519], NattafDYW19 [469], AstrandJZ18 [37], Ham18a [278], YoungFS17 [653], RoshanaeiLAU17 [529], KreterSS17 [367], GingrasQ16 [246], BonfiettiZLM16 [113], HamC16 [280], KuB16 [369], SialaAH15 [560], DejemeppeCS15 [174]... (Total: 59)	LaborieRSV18 [376], Froger16 [224]
Concepts	manpower	NovaraNH16 [477]		BourreauGGLT22 [119], BadicaBI20 [39], MokhtarzadehTNF20 [447], HauderBRPA20 [287], WikarekS19 [641], BaptisteB18 [46], MusliuSS18 [459], SchuttS16 [550], HechingH16 [292], GayHS15a [233], GaySS14 [234], HarjunkskiMBC14 [283], Clercq12 [170], GuyonLPR12 [274], LombardiM12 [409], SimonisH11 [569], Menana11 [436], Vilim11 [625], NovasH10 [479], ChenGPSH10 [147], Simonis99 [565], NuijtenP98 [483], SimonisC95 [568], Simonis95a [563], Puget95 [517]

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	multi-agent	SvancaraB22 [576], Zahout21 [659], ZarandiASC20 [661], BehrensLM19 [76], He0GLW18 [288], GombolayWS18 [256], HoeveGSL07 [616]	Lemos21 [385], MokhtarzadehTNF20 [447], abs-1901-07914 [77], TranVNB17 [606], LimHTB16 [394], BartakSR10 [58], BocewiczBB09 [101]	abs-2402-00459 [473], Mehdizadeh-Somarin23 [434], SquillaciPR23 [571], ZhuSZW23 [673], GokPTGO23 [275], Fatemi-AnarakiTFV23 [213], AbreuAPNM21 [167], ZhangYW21 [666], GokGSTO20 [251], WessenCS20 [640], MejiaY20 [435], WikarekS19 [641], BadicaBIL19 [40], ZhangW18 [667], HookerH17 [318], LimBTBB15 [395], KoschB14 [357], BartakS11 [57], Jans09 [328], GomesHS06 [257], AbrilSB05 [4], Beck99 [62], BeckF98 [67], Wallace96 [632], Pape94 [497]
Concepts	no preempt			ColT22 [161], TouatBT22 [599], FanXG21 [211], Bedhief21 [74], Lunardi20 [418], MengZRZL20 [439], ParkUJR19 [500], NattafALR16 [468], TerekhovTDB14 [588], LombardiMRB10 [412], LiW08 [390], MonetteDD07 [448], BeckW07 [73], Baptiste02 [44], ArtiguesR00 [33]
Concepts	no-wait	PrataAN23 [516], Fatemi-AnarakiTFV23 [213], IsikYA23 [325], AlfieriGPS23 [15], NaderiRR23 [464], AbreuNP23 [169], HubnerGSV21 [322], VlkHT21 [630], ZarandiASC20 [661], Novas19 [478], GrimesH15 [261], GrimesH11 [260], GrimesH10 [259], AkkerDH07 [613]	AbreuN22 [168], AbreuAPNM21 [167], MengZRZL20 [439], MokhtarzadehTNF20 [447], MejiaY20 [435], Dejemepe16 [173], Malapert11 [424]	AbreuPNF23 [3], YuraszeckMPV22 [657], BourreauGGLT22 [119], ArmstrongGOS22 [27], EmdeZD22 [200], LiFJZLL22 [391], FarsiTM22 [212], MullerMKP22 [455], NaderiBZ22 [461], Bedhief21 [74], HauderBRPA20 [287], abs-1902-09244 [286], RiahiNS018 [524], ZhangW18 [667], ArbaouiY18 [24], WangMD15 [637], NovasH12 [480], HermenierDL11 [304], NovasH10 [479], LammaMM97 [381], BrusoniCLMMT96 [124], BlazewiczDP96 [126]
Concepts	open-shop	PrataAN23 [516], Bit-Monnot23 [96], AbreuPNF23 [3], AbreuNP23 [169], NaderiRR23 [464], YuraszeckMPV22 [657], AbreuN22 [168], AbreuAPNM21 [167], Groleaz21 [264], ZarandiASC20 [661], MejiaY20 [435], Lunardi20 [418], FahimiOQ18 [207], FahimiI16 [206], GrimesH15 [261], Siala15a [559], Siala15 [558], MalapertCGJLR13 [426], MalapertCGJLR12 [425], Malapert11 [424], GrimesHM09 [262], OhrimenkoSC09 [487], MonetteDD07 [448], Elkhyari03 [197], LorigeonBB02 [415], Baptiste02 [44], FocacciLN00 [216]	ZhuSZW23 [673], Godet21a [248], Astrand21 [35], SacramentoSP20 [533], MengZRZL20 [439], Dejemepe16 [173], TerekhovDOB12 [587], Schutt11 [541], GrimesH10 [259], Vilim05 [622], Demasse03 [176], JainM99 [326]	BonninMNE24 [114], YuraszeckMCCR23 [658], YuraszeckMC23 [656], KimCMLLP23 [349], ShaikhK23 [554], AfsarVPG23 [8], NaderiBZ22 [461], EmdeZD22 [200], OujanaAYB22 [493], ColT22 [161], EtminaniefahaniGNMS22 [203], Astrand0F21 [36], abs-2102-08778 [156], AstrandJZ20 [38], ParkUJR19 [500], GombolayWS18 [256], HookerH17 [318], SialaAH15 [560], Derrien15 [179], BonfiettiLM14 [111], AlesioNBG14 [182], BillautHL12 [95], GrimesH11 [260], SchuttFSW11 [547], ChenGPSH10 [147], BartakSR10 [58], SchuttFSW09 [545], ThiruvadyBME09 [591], LiW08 [390]... (Total: 37)
Concepts	order	PrataAN23 [516], BonninMNE24 [114], abs-2402-00459 [473], GokPTGO23 [275], ZhuSZW23 [673], GuoZ23 [272], EfthymiouY23 [195], AbreuNP23 [169], Fatemi-AnarakiTFV23 [213], Adelgren2023 [7], TasselGS23 [583], abs-2306-05747 [584], JuvinHL23 [334], LacknerMMWW23 [378], PerezGSL23 [503], IsikYA23 [325], PenzDN23 [502], PovedaAA23 [513], JuvinHL23a [335], AlfieriGPS23 [15], abs-2312-13682 [504], CzerniachowskaWZ23 [160], AalianPG23 [1], Bit-Monnot23 [96], AbreuPNF23 [3], WangB23 [636], KameugneFND23 [340], JuvinHHL23 [332], SquillaciPR23 [571]... (Total: 403)	ForbesHJST24 [218], MontemanniD23a [450], NaderiRR23 [464], TardivoDFMP23 [582], YuraszeckMC23 [656], GurPAE23 [273], ShaikhK23 [554], abs-2305-19888 [300], SvancaraB22 [576], ZhangBB22 [665], ArmstrongGOS22 [27], WinterMMW22 [642], ElciOH22 [196], OrnekOS20 [489], TouatBT22 [599], OuelletQ22 [492], HeinzNVH22 [299], JungblutK22 [331], BenderWS21 [84], GeibingerMM21 [239], HillTV21 [306], abs-2102-08778 [156], QinDCS20 [519], WallaceY20 [634], AntunesABD20 [20], ZouZ20 [676], TangB20 [580], GokGSTO20 [251], FrohnerTR19 [225]... (Total: 112)	Mehdizadeh-Somarin23 [434], MontemanniD23 [451], AkramNHRSA23 [13], JuvinHL22 [333], NaderiBZ22a [460], ZhangJZL22 [664], ZhangYW21 [666], AbohashimaEG21 [2], MokhtarzadehTNF20 [447], RoshanaeiBAUB20 [528], abs-1902-01193 [14], GalleguillosKSB19 [227], KucukY19 [372], ArbaouiY18 [24], BenediktSMVH18 [87], He0GLW18 [288], TranVNB17a [607], Hooker17 [315], HechingH16 [292], BridiLBBM16 [122], CireCH16 [151], Bonfietti16 [106], SzerediS16 [577], HurleyOS16 [323], Derrien15 [179], GayHS15a [233], ThiruvadyWGS14 [592], DoulabiRP14 [190], Kameugne14 [337]... (Total: 65)

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	precedence	BonninMNE24 [114], abs-2402-00459 [473], PovedaAA23 [513], YuraszeckMCCR23 [658], AlfieriGPS23 [15], JuvinHHL23 [332], NaderiRR23 [464], ZhuSZW23 [673], IsikYA23 [325], FetgoD22 [215], PohlAK22 [509], CampeauG22 [129], YunusogluY22 [655], ZhangBB22 [665], EtminaniesfahaniGNMS22 [203], NaderiBZ22a [460], BoudreaultSLQ22 [118], GeibingerMM21 [239], HanenKP21 [281], AstrandOF21 [36], Astrand21 [35], HillTV21 [306], KoehlerBFFHPSSS21 [352], FanXG21 [211], HubnerGSV21 [322], ZhangYW21 [666], Godet21a [248], HamPK21 [279], ArmstrongGOS21 [26]... (Total: 176)	GokPTGO23 [275], KameugneFND23 [340], JuvinHL23a [335], TardivoDFMP23 [582], Bit-Monnot23 [96], OujanaAYB22 [493], SubulanC22 [572], ColT22 [161], VlkHT21 [630], AntuoriHHEN21 [22], Zahout21 [659], WessenCS20 [640], MokhtarzadehTNF20 [447], GokGSTO20 [251], QinDCS20 [519], GeibingerMM19 [238], Novas19 [478], abs-1911-04766 [237], BogaerdtW19 [614], MurinR19 [456], ColT19 [157], Ham18 [277], KameugneFGOQ18 [339], TanT18 [579], MossigeGSMC17 [452], Madi-WambaLOBM17 [422], Madi-WambaB16 [421], KuB16 [369], AmadiniGM16 [17]... (Total: 79)	PrataAN23 [516], JuvinHL23 [334], AfsarVPG23 [8], Mehdizadeh-Somarin23 [434], abs-2306-05747 [584], YuraszeckMC23 [656], KimCMLLP23 [349], TasselGS23 [583], abs-2305-19888 [300], MullerMKP22 [455], JuvinHL22 [333], EmdeZD22 [200], BourreauGGLT22 [119], ZhangJZL22 [664], GeitzGSSW22 [240], TouatBT22 [599], WinterMMW22 [642], abs-2211-14492 [573], HeinzNVH22 [299], Lemos21 [385], KovacsTKSG21 [365], PandeyS21a [496], AbreuAPNM21 [167], AntunesABD20 [20], GroleazNS20a [265], TangB20 [580], OuelletQ18 [491], DemirovicS18 [178], BaptisteB18 [46]... (Total: 105)
Concepts	preempt	BonninMNE24 [114], JuvinHL23a [335], JuvinHHL23 [332], PovedaAA23 [513], SubulanC22 [572], JuvinHL22 [333], Groleaz21 [264], HanenKP21 [281], ArtiguesHQT21 [32], Godet21a [248], ZarandiASC20 [661], Polo-MejiaALB20 [510], NattafHKAL19 [470], BaptisteB18 [46], FahimiOQ18 [207], GokgurHO18 [252], Dejemepe16 [173], ZarandiKS16 [660], Fahimi16 [206], NattafALR16 [468], EvenSH15 [204], EvenSH15a [205], AlesioNBG14 [182], LombardiMB13 [411], MenciaSV12 [437], LombardiM12 [409], BeldiceanuCDP11 [80], KovacsB11 [360], Schutt11 [541]... (Total: 41)	PrataAN23 [516], Adelgren2023 [7], abs-2305-19888 [300], AbreuPNF23 [3], FetgoD22 [215], HeinzNVH22 [299], OuelletQ22 [492], Astrand21 [35], Zahout21 [659], SacramentoSP20 [533], Mercier-AubinGQ20 [441], Lunardi20 [418], LunardiBLRV20 [417], Caballero19 [127], ArkhipovBL19 [25], GombolayWS18 [256], YoungFS17 [653], OrnekO16 [488], SchnellH15 [540], NattafAL15 [466], SimoninAHL15 [562], OzturkTHO15 [678], TerekhovTDB14 [588], OzturkTHO13 [495], MenciaSV13 [438], BajestaniB13 [42], OzturkTHO12 [677], SimoninAHL12 [561], GuyonLPR12 [274]... (Total: 42)	Mehdizadeh-Somarin23 [434], AalianPG23 [1], KameugneFND23 [340], abs-2306-05747 [584], PenzDN23 [502], NaderiRR23 [464], TasselGS23 [583], TardivoDFMP23 [582], YuraszeckMC23 [656], YuraszeckMCCR23 [658], AkramNHRSA23 [13], AbreuNP23 [169], ZhuSZW23 [673], IsikYA23 [325], AfsarVPG23 [8], ZhangBB22 [665], Teppan22 [586], EtminaniesfahaniGNMS22 [203], ColT22 [161], MullerMKP22 [455], YunusogluY22 [655], JungblutK22 [331], AbreuN22 [168], NaderiBZ22a [460], TouatBT22 [599], GeitzGSSW22 [240], BoudreaultSLQ22 [118], OujanaAYB22 [493], Bedhief21 [74]... (Total: 153)
Concepts	producer/consumer	SchuttS16 [550], PoderBS04 [508], Kumar03 [371], Beck99 [62], SimonisC95 [568]	HermenierDL11 [304], BeldiceanuC02 [79], Simonis99 [565], Simonis95a [563]	GeitzGSSW22 [240], KlankeBYE21 [350], CappartTSR18 [131], BlomPS16 [100], LombardiM12a [408], Wolf11 [645], SimonisH11 [569], LombardiMRB10 [412], ChenGPSH10 [147], PoderB08 [507], Simonis07 [566], Timpe02 [595], SimonisCK00 [567], Simonis95 [564]
Concepts	re-scheduling	Fatemi-AnarakiTFV23 [213], Astrand21 [35], Lemos21 [385], HamPK21 [279], Groleaz21 [264], BarzegaranZP20 [61], ZarandiASC20 [661], ZhangW18 [667], CappartS17 [130], Madi-WambaLOBM17 [422], Froger16 [224], BartakV15 [59], HarjunkoskiMBC14 [283], GrimesIOS14 [263], BajestaniB13 [42], TranTDB13 [605], RendIPHPR12 [523], LombardiM12 [409], IfrimOS12 [324], NovasH10 [479], BidotVLB09 [94], Laborie03 [373], Baptiste02 [44], MartinPY01 [431], ArtiguesR00 [33]	Mehdizadeh-Somarin23 [434], NaderiBZ22a [460], Zahout21 [659], KovacsTKSG21 [365], AstrandJZ20 [38], AntunesABD20 [20], RoshanaeiBAUB20 [528], GombolayWS18 [256], TranPZLDB18 [604], HoYCLLC18 [307], AntunesABD18 [19], HurleyOS16 [323], LimHTB16 [394], LimBTBB15 [395], CobanH11 [154], Lombardi10 [402], CobanH10 [153], Acuna-AgostMFG09 [5], Elkhyari03 [197], Beck99 [62]	PrataAN23 [516], ForbesHJST24 [218], abs-2306-05747 [584], abs-2305-19888 [300], ShaikhK23 [554], GurPAE23 [273], NaderiRR23 [464], PerezGSL23 [503], abs-2312-13682 [504], GokPTGO23 [275], EfthymiouY23 [195], Adelgren2023 [7], TasselGS23 [583], JuvinHL23a [335], ZhuSZW23 [673], BourreauGGLT22 [119], HeinzNVH22 [299], ArmstrongGOS22 [27], LuoB22 [420], PohlAK22 [509], FarsiTM22 [212], YunusogluY22 [655], JuvinHL22 [333], YuraszeckMPV22 [657], ZhangYW21 [666], KlankeBYE21 [350], PandeyS21a [496], BenediktMH20 [86], MejiaY20 [435]... (Total: 90)

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	release-date	BonninMNE24 [114], YunusogluY22 [655], JuvinHL22 [333], YuraszeckMPV22 [657], WinterMMW22 [642], EmdeZD22 [200], Groleaz21 [264], HanenKP21 [281], Bedhief21 [74], Polo-MejiaALB20 [510], EscobetPQPRA19 [202], Tesch18 [590], KameugneFSN14 [342], LimtanyakulS12 [397], SerraNM12 [553], TerekhovDOB12 [587], KameugneFSN11 [341], KovacsB11 [360], Lombardi10 [402], BartakSR10 [58], LombardiM10a [406], abs-0907-0939 [506], MercierH08 [440], KovacsB07 [358], Hooker07 [313], AkkerDH07 [613], SadykovW06 [535], ArtiouchineB05 [34], Hooker05 [310]... (Total: 36)	PrataAN23 [516], LacknerMMWW23 [378], JuvinHL23a [335], LacknerMMWW21 [377], Godet21a [248], ArtiguesHQT21 [32], GroleazNS20 [266], GroleazNS20a [265], AntuoriHHEN20 [21], ZarandiASC20 [661], GeibingerMM19 [238], ArkhipovBL19 [25], abs-1911-04766 [237], Dejemeppe16 [173], HeinzSB13 [298], KelbelH11 [345], MilanoW09 [445], Laborie09 [374], Limtanyakul07 [396], Simonis07 [566], MilanoW06 [444], Hooker06 [312], Hooker05a [311], WuBB05 [649], Sadykov04 [534], HarjunkoskiG02 [282], JainG01 [327], TorresL00 [598], SourdN00 [570]... (Total: 31)	ForbesHJST24 [218], PovedaAA23 [513], PenzDN23 [502], IsikYA23 [325], Adelgren2023 [7], YuraszeckMC23 [656], PohlAK22 [509], TouatBT22 [599], GeibingerMM21 [239], HillTV21 [306], AbreuAPNM21 [167], Zahout21 [659], Astrand21 [35], AntuoriHHEN21 [22], ZhangYW21 [666], KovacsTKSG21 [365], GodetLHS20 [249], Lunardi20 [418], MejiaY20 [435], Hooker19 [316], Novas19 [478], Caballero19 [127], NattafHKAL19 [470], abs-1902-09244 [286], LaborieRSV18 [376], TanT18 [579], KreterSSZ18 [368], Laborie18a [375], GokgurHO18 [252]... (Total: 86)
Concepts	resource	ForbesHJST24 [218], BonniniMNE24 [114], PrataAN23 [516], abs-2402-00459 [473], Fatemi-AnarakiTFV23 [213], JuvinHHL23 [332], PovedaAA23 [513], ShaikhK23 [554], GuoZ23 [272], NaderiRR23 [464], GokPTGO23 [275], WangB23 [636], KameugneFND23 [340], YuraszeckMCCR23 [658], CzerniachowskaWZ23 [160], abs-2305-19888 [300], AlfieriGPS23 [15], JuvinHL23a [335], AalianPG23 [1], TardivoDFMP23 [582], GurPAE23 [273], AbreuPNF23 [3], HeinzNVH22 [299], AbreuN22 [168], OrnekOS20 [489], TouatBT22 [599], YunusogluY22 [655], SubulanC22 [572], FarsiTM22 [212]... (Total: 403)	Caballero23 [128], abs-2312-13682 [504], AfsarVPG23 [8], Adelgren2023 [7], TasselGS23 [583], AbreuNP23 [169], PerezGSL23 [503], IsikYA23 [325], abs-2306-05747 [584], Bit-Monnot23 [96], ElciOH22 [196], PohlAK22 [509], MullerMKP22 [455], SvancaraB22 [576], abs-2211-14492 [573], YuraszeckMPV22 [657], WinterMMW22 [642], KlankeBYE21 [350], AstrandOF21 [36], TangB20 [580], LunardiBLRV20 [417], WallaceY20 [634], MokhtarzadehTNF20 [447], FrimodigS19 [223], abs-1902-01193 [14], ParkUJR19 [500], GedikKEK18 [235], BenediktSMVH18 [87], HoYCLCLC18 [307]... (Total: 64)	AkramNHRSA23 [13], PenzDN23 [502], MontemanniD23 [451], SquillaciPR23 [571], ZhuSZW23 [673], ZhangJZL22 [664], EmdeZD22 [200], Teppan22 [586], JungblutK22 [331], PopovicCGNC22 [511], ArmstrongGOS22 [27], HamPK21 [279], AbreuAPNM21 [167], AbohashimaEG21 [2], KoehlerBFFHPSSS21 [352], abs-2102-08778 [156], AntuoriHHEN21 [22], ArmstrongGOS21 [26], FanXG21 [211], MejiaY20 [435], BarzegaranZP20 [61], ThomasKS20 [593], NattafM20 [471], BadicaBIL19 [40], HoundjiSW19 [320], KucukY19 [372], NattafDYW19 [469], ColT19 [157], ZhangW18 [667]... (Total: 69)
Concepts	scheduling	PrataAN23 [516], ForbesHJST24 [218], BonniniMNE24 [114], abs-2402-00459 [473], AbreuNP23 [169], ZhuSZW23 [673], IsikYA23 [325], AalianPG23 [1], AbreuPNF23 [3], abs-2306-05747 [584], JuvinHHL23 [332], TardivoDFMP23 [582], YuraszeckMC23 [656], Fatemi-AnarakiTFV23 [213], Mehdizadeh-Somarin23 [434], KimCMLLP23 [349], AkramNHRSA23 [13], LacknerMMWW23 [378], GurPAE23 [273], AlfieriGPS23 [15], CzerniachowskaWZ23 [160], WangB23 [636], JuvinHL23 [334], NaderiRR23 [464], PenzDN23 [502], TasselGS23 [583], Bit-Monnot23 [96], abs-2305-19888 [300], abs-2312-13682 [504]... (Total: 570)	HebrardALLCMR22 [289], Kameugne15 [338], GayHS15 [232], BessiereHMQW14 [93], HoundjiSWD14 [321], LetortCB13 [388], LetortBC12 [387], ClercqPBJ11 [152], ChapadosJR11 [146], Baptiste09 [45], abs-0907-0939 [506], Acuna-AgostMFG09 [5], GomesHS06 [257], DilkinaDH05 [183], MoffittPP05 [446], WuBB05 [649], HebrardTW05 [291], ValleMGT03 [612], Vilim03 [620], HookerY02 [319], Vilim02 [619], RodriguezDG02 [526], FrostD98 [226], CestaOS98 [145], Touraivane95 [600]	Hooker17 [315], RossiTHP07 [531], AbrilSB05 [4], VanczaM01 [617]

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low	
Concepts	sequence setup	dependent	Groleaz21 [264], GedikKEK18 [235], TranAB16 [601], HamC16 [280], TranB12 [602], Wolf11 [645], FocacciLN00 [216]	IsikYA23 [325], YuraszeckMPV22 [657], GeitzGSSW22 [240], MengZRZL20 [439], CauwelaertDS20 [143], ZarandiASC20 [661], RiahiNS018 [524], Dejemeppe16 [173], GrimesH15 [261], LombardiM12 [409], Simonis07 [566], ArtiguesBF04 [30]	PrataAN23 [516], GuoZ23 [272], abs-2305-19888 [300], NaderiRR23 [464], Adelgren2023 [7], YunusogluY22 [655], PohlAK22 [509], NaderiBZ22a [460], HeinzNVH22 [299], OujanaAYB22 [493], HamPK21 [279], ArmstrongGOS21 [26], Bedhief21 [74], Astrand21 [35], Mercier-AubinGQ20 [441], MejiaY20 [435], RoshanaeiBAUB20 [528], MalapertN19 [427], Novas19 [478], KucukY19 [372], Hooker19 [316], ArbaouiY18 [24], LaborieRSV18 [376], FahimiOQ18 [207], Ham18 [277], RoshanaeiLAU17 [529], Pralet17 [514], HookerH17 [318], Fahimi16 [206]... (Total: 47)
Concepts	setup-time		PrataAN23 [516], IsikYA23 [325], AbreuPNF23 [3], LacknerMMWW23 [378], abs-2305-19888 [300], AbreuNP23 [169], NaderiRR23 [464], GeitzGSSW22 [240], NaderiBZ22 [461], WinterMMW22 [642], OujanaAYB22 [493], YunusogluY22 [655], YuraszeckMPV22 [657], PohlAK22 [509], HeinzNVH22 [299], AbreuN22 [168], ColT22 [161], Groleaz21 [264], Astrand21 [35], LacknerMMWW21 [377], Lunardi20 [418], NattafM20 [471], QinDCS20 [519], GroleazNS20a [265], MejiaY20 [435], GroleazNS20 [266], Mercier-AubinGQ20 [441], LunardiBLRV20 [417], CauwelaertDS20 [143]... (Total: 61)	Adelgren2023 [7], ZhuSZW23 [673], AlfieriGPS23 [15], CzerniachowskaWZ23 [160], PenzDN23 [502], KimCMLLP23 [349], GokPTGO23 [275], LiFJZLL22 [391], Bedhief21 [74], FanXG21 [211], AbreuAPNM21 [167], ArmstrongGOS21 [26], AstrandJZ20 [38], LaborieRSV18 [376], HookerH17 [318], NovaraNH16 [477], HamC16 [280], OrnekO16 [488], GaySS14 [234], KelarevaTK13 [344], OzturkTHO13 [495], Wolf11 [645], Malapert11 [424], ThiruvadyBME09 [591], BeniniBGM06 [88], HarjunkskiG02 [282], Timpe02 [595], Vilim02 [619]	EfthymiouY23 [195], YuraszeckMCCR23 [658], JuvinHL23 [334], AfsarVPG23 [8], JuvinHL23a [335], Mehdizadeh-Somarin23 [434], GuoZ23 [272], Fatemi-AnarakiTFV23 [213], JuvinHHL23 [332], JuvinHL22 [333], abs-2211-14492 [573], ZhangJZL22 [664], MullerMKP22 [455], Teppan22 [586], NaderiBZ22a [460], ZhangYW21 [666], AbohashimaEG21 [2], HamPK21 [279], BenderWS21 [84], Polo-MejiaALB20 [510], HauderBRPA20 [287], MokhtarzadehTNF20 [447], GokGSTO20 [251], GodetLHS20 [249], RoshanaeiBAUB20 [528], Caballero19 [127], abs-1902-09244 [286], WikarekS19 [641], BehrensLM19 [76]... (Total: 82)
Concepts	stock level		LopesCSM10 [413], SimonisC95 [568]	German18 [242], RossiTHP07 [531], Timpe02 [595], Simonis99 [565]	KhemmoudjPB06 [348], SimonisCK00 [567], Beck99 [62], Simonis95a [563]
Concepts	tardiness		PrataAN23 [516], NaderiRR23 [464], IsikYA23 [325], GokPTGO23 [275], KimCMLLP23 [349], LacknerMMWW23 [378], AlfieriGPS23 [15], AbreuPNF23 [3], WinterMMW22 [642], YunusogluY22 [655], OujanaAYB22 [493], NaderiBZ22 [461], PohlAK22 [509], TouatBT22 [599], AbreuN22 [168], abs-2211-14492 [573], Groleaz21 [264], FanXG21 [211], LacknerMMWW21 [377], AntuoriHHEN21 [22], ZarandiASC20 [661], HauderBRPA20 [287], GroleazNS20a [265], Mercier-AubinGQ20 [441], MengZRZL20 [439], TangB20 [580], AntuoriHHEN20 [21], ParkUJR19 [500], abs-1902-09244 [286]... (Total: 63)	abs-2402-00459 [473], AbreuNP23 [169], PenzDN23 [502], SubulanC22 [572], FarsiTM22 [212], EmdeZD22 [200], ElciOH22 [196], ColT22 [161], KovacsTKSG21 [365], AbreuAPNM21 [167], GroleazNS20 [266], GokGSTO20 [251], Lunardi20 [418], GokgurHO18 [252], GedikKEK18 [235], Hooker17 [315], CireCH16 [151], TranAB16 [601], ThiruvadyWGS14 [592], TerekhovTDB14 [588], HarjunkskiMBC14 [283], BajestaniB13 [42], Malapert11 [424], NovasH10 [479], BartakSR10 [58], Beck06 [63], QuirogaZH05 [521], GodardLN05 [247], Hooker05 [310], BeckPS03 [69]	Mehdizadeh-Somarin23 [434], JuvinHL23 [334], TasselGS23 [583], abs-2306-05747 [584], LiFJZLL22 [391], EtminaniesfahaniGNMS22 [203], NaderiBZ22a [460], ZhangJZL22 [664], VlKHT21 [630], KoehlerBFFHPSSS21 [352], HanenKP21 [281], HamPK21 [279], GeibingerMM21 [239], Astrand21 [35], QinWSLS21 [518], HubnerGSV21 [322], Bedhief21 [74], QinDCS20 [519], MejiaY20 [435], LunardiBLRV20 [417], Polo-MejiaALB20 [510], Tom19 [596], Novas19 [478], RiahiNS018 [524], ZhangW18 [667], KreterSSZ18 [368], Ham18a [278], RoshanaeiLAU17 [529], HookerH17 [318]... (Total: 75)

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	task	PrataAN23 [516], ForbesHJST24 [218], BonninMNE24 [114], abs-2402-00459 [473], JuvinHHL23 [332], WangB23 [636], YuraszeckMCCR23 [658], PovedaAA23 [513], AfsarVPG23 [8], KameugneFND23 [340], GokPTGO23 [275], AkramNHRSA23 [13], JuvinHL23 [334], CzerniachowskaWZ23 [160], Fatemi-AnarakiTFV23 [213], Adelgren2023 [7], abs-2305-19888 [300], NaderiBZ22a [460], LiFJZLL22 [391], CampeauG22 [129], OuelletQ22 [492], GeitzGSSW22 [240], HeinzNVH22 [299], ColT22 [161], SubulanC22 [572], FetgoD22 [215], JuvinHL22 [333], abs-2211-14492 [573], ElciOH22 [196]... (Total: 273)	JuvinHL23a [335], MontemanniD23a [450], Bit-Monnot23 [96], IsikYA23 [325], MontemanniD23 [451], SquillaciPR23 [571], LacknerMMWW23 [378], ShaikhK23 [554], WinterMMW22 [642], FarsiTM22 [212], OujanaAYB22 [493], YuraszeckMPV22 [657], PopovicCGNC22 [511], MullerMKP22 [455], AbreuN22 [168], SvancaraB22 [576], HubnerGSV21 [322], BenderWS21 [84], GeibingerMM21 [239], ZouZ20 [676], Polo-MejiaALB20 [510], AntuoriHHEN20 [21], BadicaBI20 [39], BarzegaranZP20 [61], WallaceY20 [634], WikarekS19 [641], Caballero19 [127], German18 [242], DemirovicS18 [178]... (Total: 63)	ZhuSZW23 [673], TardivoDFMP23 [582], abs-2306-05747 [584], NaderiRR23 [464], TasselGS23 [583], EfthymiouY23 [195], PerezGSL23 [503], abs-2312-13682 [504], Mehdizadeh-Somarin23 [434], GuoZ23 [272], ZhangJZL22 [664], ZhangBB22 [665], EmdeZD22 [200], Teppan22 [586], ArmstrongGOS22 [27], abs-2102-08778 [156], AntuoriHHEN21 [22], ZhangYW21 [666], FanXG21 [211], AbreuAPNM21 [167], LacknerMMWW21 [377], HamPK21 [279], AstrandJZ20 [38], SacramentoSP20 [533], BenediktMH20 [86], HauderBRPA20 [287], FallahiAC20 [210], MengZRZL20 [439], CauwelaertDS20 [143]... (Total: 109)
Concepts	temporal constraint reasoning			BartakSR10 [58], KeriK07 [346], FortinZDF05 [219]
Concepts	transportation	GuoZ23 [272], CzerniachowskaWZ23 [160], PohlAK22 [509], BourreauGGLT22 [119], ArmstrongGOS22 [27], EmdeZD22 [200], GeitzGSSW22 [240], Lemos21 [385], ArmstrongGOS21 [26], ThomasKS20 [593], QinDCS20 [519], Lunardi20 [418], SacramentoSP20 [533], MurinR19 [456], Hooker19 [316], Ham18 [277], PourDERB18 [512], TangLWSK18 [581], CappartTSR18 [131], Froger16 [224], GoelSHFS15 [250], NovasH14 [481], BlomBPS14 [99], KelarevaTK13 [344], NovasH12 [480], HachemiGR11 [276], LopesCSM10 [413], BocewiczBB09 [101], MilanoW09 [445]... (Total: 34)	AfsarVPG23 [8], KimCMLLP23 [349], Fatemi-AnarakiTFV23 [213], NaderiRR23 [464], GokPTGO23 [275], AbreuPNF23 [3], AbreuN22 [168], SubulanC22 [572], PopovicCGNC22 [511], NaderiBZ22 [461], ElciOH22 [196], Astrand21 [35], Godet21a [248], AbohashimaEG21 [2], FallahiAC20 [210], MengZRZL20 [439], MejiaY20 [435], ZarandiASC20 [661], LaborieRSV18 [376], EvenSH15 [204], MelgarejoLS15 [11], HarjunkoskiMBC14 [283], RendIPHPR12 [523], Malapert11 [424], MakMS10 [423], MouraSCL08 [454], MouraSCL08a [453], LimRX04 [393], Mason01 [433]... (Total: 32)	Adelgren2023 [7], AalianPG23 [1], PerezGSL23 [503], AlfieriGPS23 [15], ZhuSZW23 [673], IsikYA23 [325], AbreuNP23 [169], abs-2312-13682 [504], WangB23 [636], MontemanniD23a [450], NaderiBZ22a [460], BoudreaultSLQ22 [118], abs-2211-14492 [573], ZhangJZL22 [664], YuraszeckMPV22 [657], LiFJZLL22 [391], ColT22 [161], YunusogluY22 [655], AntuoriHHEN21 [22], HubnerGSV21 [322], Bedhief21 [74], Groleaz21 [264], GroleazNS20a [265], AntunesABD20 [20], WallaceY20 [634], HauderBRPA20 [287], CauwelaertDS20 [143], Novas19 [478], HoundjiSW19 [320]... (Total: 88)

7.2 Concept Type Classification

Table 12: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	2BPHFSP	TangB20 [580]		
Classification	BPCTOP	KelarevaTK13 [344]		
Classification	Bulk Port Cargo Throughput Optimi- sation Problem			KelarevaTK13 [344]
Classification	CECSP	NattafHKAL19 [470], NattafAL17 [467], Nattaf16 [465], NattafALR16 [468], NattafAL15 [466]		
Classification	CHSP	EfthymiouY23 [195], WallaceY20 [634]		
Classification	CTW	KoehlerBFFHPSSS21 [352]	Lombardi10 [402]	
Classification	CuSP	KameugneFND23 [340], FetgoD22 [215], Tesch18 [590], KameugneFGOQ18 [339], Tesch16 [589], NattafALR16 [468], Nattaf16 [465], Froger16 [224], NattafAL15 [466], Derrien15 [179], Kameugne14 [337], KameugneFSN14 [342], DerrienPZ14 [181], KameugneFSN11 [341], SchuttW10 [551], DemasseY03 [176]	Fahimi16 [206], GingrasQ16 [246], OuelletQ13 [490], Elkhyari03 [197]	TardivoDFMP23 [582], HanenKP21 [281], Zahout21 [659], DerrienP14 [180]
Classification	EOSP		SquillaciPR23 [571]	
Classification	Earth Observation Scheduling Problem		SquillaciPR23 [571]	
Classification	FJS	JuvinHL23a [335], WangB23 [636], YuraszeckMCCR23 [658], JuvinHL22 [333], MullerMKP22 [455], Teppan22 [586], HamPK21 [279], WangB20 [635], Lunardi20 [418], LunardiBLRV20 [417], ZarandiASC20 [661], MengZRZL20 [439], Novas19 [478], MossigeGSMC17 [452], HamC16 [280]	OujanaAYB22 [493], HauderBRPA20 [287], abs-1902-09244 [286], ZhangW18 [667], SchuttFS13 [544]	NaderiRR23 [464], ColT22 [161], ZhouGL15 [671]
Classification	Fixed Job Scheduling	WangB20 [635]	WangB23 [636]	
Classification	GCSP	Groleaz21 [264], GroleazNS20 [266]		
Classification	HFF	ArmstrongGOS22 [27], OujanaAYB22 [493], ArmstrongGOS21 [26], ZhouGL15 [671]		
Classification	HFFTT	ArmstrongGOS22 [27], ArmstrongGOS21 [26]		
Classification	HFS	IsikYA23 [325], ZhangJZL22 [664], Astrand21 [35], ArmstrongGOS21 [26], Bedhief21 [74], TangB20 [580], MengZRZL20 [439], Baptiste02 [44]		ArmstrongGOS22 [27], ZarandiASC20 [661], Novas19 [478], ZhouGL15 [671]
Classification	JSPT		MurinR19 [456]	
Classification	JSSP	TasselGS23 [583], JuvinHL23a [335], JuvinHHL23 [332], YuraszeckMC23 [656], YuraszeckMCCR23 [658], abs-2306-05747 [584], JuvinHL22 [333], Teppan22 [586], ColT22 [161], YuraszeckMPV22 [657], GeitzGSSW22 [240], Godet21a [248], abs-2102-08778 [156], ZarandiASC20 [661], ColT19 [157], Pralet17 [514], MenciaSV13 [438], MenciaSV12 [437], KelbelH11 [345], BidotVLB09 [94], GodardLN05 [247], Baptiste02 [44], SourdN00 [570], TorresL00 [598], PapaB98 [499], NuijtenP98 [483], NuijtenA96 [484], NuijtenA94 [482]	GalleguillosKSB19 [227], LombardiBM15 [403], SialaAH15 [560], BelhadjiI98 [83]	Mehdizadeh-Somarin23 [434], CzerniachowskaWZ23 [160], EfthymiouY23 [195], WikarekS19 [641], PraletLJ15 [515], GrimesH15 [261], BajestaniB11 [41], ChenGPSH10 [147]

Table 12: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	KRFP	KamarainenS02 [336], SakkoutW00 [536]		
Classification	LSFRP	KelarevaTK13 [344]		
Classification	Liner Shipping Fleet Repositioning Problem	KelarevaTK13 [344]		
Classification	MGAP	Darby-DowmanLMZ97 [164]		
Classification	Modified Generalized Assignment Problem			
Classification	OSP	NaderiRR23 [464], LacknerMMWW23 [378], Bit-Monnot23 [96], LacknerMMWW21 [377], Groleaz21 [264], GombolayWS18 [256], GrimesH15 [261], Siala15 [558], GayHLS15 [231], Siala15a [559], MalapertCGJLR12 [425]	SquillaciPR23 [571], GrimesHM09 [262], MonetteDD07 [448]	MengZRZL20 [439]
Classification	OSSP	YuraszeckMC23 [656], AbreuPNF23 [3], AbreuNP23 [169], YuraszeckMPV22 [657], ColT22 [161], AbreuN22 [168], AbreuAPNM21 [167], MejiaY20 [435], Baptiste02 [44]		YuraszeckMCCR23 [658], ZarandiASC20 [661]
Classification	Open Shop Scheduling Problem	AbreuPNF23 [3], AbreuNP23 [169], AbreuN22 [168], AbreuAPNM21 [167], MejiaY20 [435], ZarandiASC20 [661]	Malapert11 [424], LorigeonBB02 [415]	PrataAN23 [516], NaderiRR23 [464], Bit-Monnot23 [96], YuraszeckMCCR23 [658], YuraszeckMPV22 [657], ColT22 [161], Groleaz21 [264], MengZRZL20 [439], SacramentoSP20 [533], HookerH17 [318], GrimesH15 [261], MalapertCGJLR13 [426], MalapertCGJLR12 [425], Schutt11 [541], GrimesH10 [259], OhrimenkoSC09 [487], GrimesHM09 [262], MonetteDD07 [448], Baptiste02 [44], VerfaillieL01 [618]
Classification	PJSSP	Baptiste02 [44]	PapaB98 [499]	
Classification	PMSP	NaderiRR23 [464], YunusogluY22 [655], WinterMMW22 [642], PandeyS21a [496], Godet21a [248], GodetLHS20 [249], MalapertN19 [427], GedikKEK18 [235], GomesM17 [258], TranAB16 [601], TranB12 [602]	VlkHT21 [630], NattafM20 [471]	ColT22 [161], OujanaAYB22 [493], ZarandiASC20 [661]
Classification	PP-MS-MMRCPS			
Classification	PTC	NattafM20 [471], MalapertN19 [427], NattafDYW19 [469]	NaderiRR23 [464]	CzerniachowskaWZ23 [160], Teppan22 [586], Dejemeppe16 [173]
Classification	Pre-emptive Job-Shop scheduling Problem			
Classification	RCMPSP	HauderBRPA20 [287], abs-1902-09244 [286]		ArtiguesR00 [33]
Classification	RCPSP	YuraszeckMCCR23 [658], GokPTGO23 [275], PovedaAA23 [513], CampeauG22 [129], BoudreaultSLQ22 [118], EtminaniesfahaniGNMS22 [203], FetgoD22 [215], SubulanC22 [572], GeibingerMM21 [239], HubnerGSV21 [322], Godet21a [248], BenderWS21 [84], HillTV21 [306], Zahout21 [659], ArtiguesHQT21 [32], Groleaz21 [264], ZarandiASC20 [661], HauderBRPA20 [287], Polo-MejiaALB20 [510], GokGSTO20 [251], GeibingerMM19 [238], abs-1911-04766 [237], Caballero19 [127], abs-1902-09244 [286], ArkhipovBL19 [25], KreterSSZ18 [368], KameugneFGOQ18 [339], LaborieRSV18 [376], TangLWSK18 [581]... (Total: 66)	Caballero23 [128], KameugneFND23 [340], TardivoDFMP23 [582], KovacsTKSG21 [365], GroleazNS20a [265], Tesch18 [590], CauwelaertLS18 [142], BaptisteB18 [46], Dejemeppe16 [173], NattafAL15 [466], GayHLS15 [231], LombardiBM15 [403], KameugneFSN14 [342], LombardiM13 [410], LombardiMB13 [411], KameugneFSN11 [341], HeinzS11 [297], abs-1009-0347 [546], KeriK07 [346], KovacsV06 [364], HeipckeCCS00 [301], ArtiguesR00 [33]	AbreuPNF23 [3], NaderiRR23 [464], GeitzGSSW22 [240], TouatBT22 [599], HananKP21 [281], Astrand21 [35], Lemos21 [385], ZhangYW21 [666], Mercier-AubinGQ20 [441], NattafHKAL19 [470], WikarekS19 [641], OuelletQ18 [491], FahimiOQ18 [207], HookerH17 [318], GingrasQ16 [246], Tesch16 [589], NattafALR16 [468], BonfiettiZLM16 [113], Fahimi16 [206], Siala15 [558], Siala15a [559], SialaAH15 [560], GayHS15a [233], DerrienPZ14 [181], BonfiettiLBM14 [109], KoschB14 [357], BonfiettiLM14 [111], OuelletQ13 [490], SchuttFS13 [544]... (Total: 45)
Classification	RCPSPDC			CampeauG22 [129], HubnerGSV21 [322]

Table 12: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow			
Classification	SBSFMMAL	OzturkTHO13 [495], OzturkTHO10 [494]	OzturkTHO15 [678]	
Classification	SCC	KimCMLLP23 [349], WolinskiKG04 [648]	SchuttFSW13 [548], Lombardi10 [402], abs-1009-0347 [546]	PohlAK22 [509], Zahout21 [659], LombardiMB13 [411], BeniniLMR11 [90], SchausHMCMD11 [538], LombardiMRB10 [412], BeniniLMR08 [89]
Classification	SMSDP			
Classification	Steel-making and continuous casting			
Classification	TCSP	BelhadjiI98 [83]		Zahout21 [659], BartakSR10 [58], LombardiM10a [406], Lombardi10 [402], Demassey03 [176]
Classification	TMS	PopovicCGNC22 [511], Froger16 [224]	BegB13 [75]	CappartS17 [130], Siala15a [559], Siala15 [558]
Classification	Temporal Constraint Satisfaction Problem		BelhadjiI98 [83]	BartakSR10 [58], MoffittPP05 [446], Elkhyari03 [197]
Classification	parallel machine	PrataAN23 [516], abs-2305-19888 [300], Adelgren2023 [7], IsikYA23 [325], CzerniachowskaWZ23 [160], NaderiRR23 [464], YunusogluY22 [655], ZhangJZL22 [664], WinterMMW22 [642], HeinzNVH22 [299], OujanaAYB22 [493], PandeyS21a [496], Astrand21 [35], Godet21a [248], Groleaz21 [264], ZarandiASC20 [661], MengZRZL20 [439], Lunardi20 [418], GodetLHS20 [249], NattafM20 [471], NattafDYW19 [469], MalapertN19 [427], GokgurHO18 [252], GedikKEK18 [235], ArbaouiY18 [24], TanT18 [579], GomesM17 [258], HebrardHJMPV16 [290], TranAB16 [601]... (Total: 35)	PenzDN23 [502], JuvinHL23a [335], Fatemi-AnarakiTFV23 [213], AbreuPNF23 [3], AbreuNP23 [169], Teppan22 [586], NaderiBZ22 [461], EmdeZD22 [200], ColT22 [161], Zahout21 [659], Bedhief21 [74], MokhtarzadehTNF20 [447], SacramentoSP20 [533], MejiaY20 [435], ParkUJR19 [500], Novas19 [478], BogaerdTW19 [614], Ham18a [278], BenediktSMVH18 [87], RoshanaeiLAU17 [529], CatusseCBL16 [140], ZhouGL15 [671], TerekhovTDB14 [588], TranTDB13 [605], BajestaniB13 [42], GuyonLPR12 [274], KovacsB11 [360], AkkerDH07 [613], SadykovW06 [535], Thorsteinsson01 [594]	KimCMLLP23 [349], GuoZ23 [272], JuvinHHL23 [332], LacknerMMWW23 [378], Mehdizadeh-Somarin23 [434], AlfieriGPS23 [15], JuvinHL22 [333], ArmstrongGOS22 [27], OrnekOS20 [489], EtminaniesfahaniGNMS22 [203], NaderiBZ22a [460], HanenKP21 [281], FanXG21 [211], AbohashimaEG21 [2], AbreuAPNM21 [167], HamPK21 [279], LacknerMMWW21 [377], RoshanaeiBAUB20 [528], GroleazNS20a [265], QinDCS20 [519], AstrandJZ20 [38], NishikawaSTT19 [476], Hooker19 [316], ArkhipovBL19 [25], Ham18 [277], BaptisteB18 [46], LaborieRSV18 [376], HookerH17 [318], KletzanderM17 [351]... (Total: 49)
Classification	psplib	TardivoDFMP23 [582], Caballero19 [127], ArkhipovBL19 [25], KreterSSZ18 [368], OuelletQ18 [491], GayHS15a [233], Derrien15 [179], LetortCB15 [389], KameugneFSN14 [342], DerrienP14 [180], Kameugne14 [337], SchuttFSW13 [548], SchuttFS13a [543], HeinzSB13 [298], Letort13 [386], Clercq12 [170], SchuttFSW11 [547], Schutt11 [541], BertholdHLSM10 [92], SchuttFSW09 [545], Demassey03 [176]	KameugneFND23 [340], BoudreaultSLQ22 [118], EtminaniesfahaniGNMS22 [203], HillTV21 [306], BadicaBI20 [39], Tesch18 [590], FahimiOQ18 [207], BaptisteB18 [46], Tesch16 [589], GingrasQ16 [246], Nattaf16 [465], SzerediS16 [577], VilimLS15 [628], GayHLS15 [231], LombardiBM15 [403], BonfiettiLM14 [111], LetortCB13 [388], LombardiM12a [408], LetortBC12 [387], HeinzS11 [297], Vilim11 [625], abs-1009-0347 [546], SchuttW10 [551]	Godet21a [248], CauwelaertLS18 [142], LaborieRSV18 [376], YoungFS17 [653], Pralet17 [514], BofillCSV17 [103], Dejemeppe16 [173], SchnellH15 [540], ThiruvadyWGS14 [592], LombardiM13 [410], OuelletQ13 [490], LombardiM12 [409], KameugneFSN11 [341], LiessM08 [392], FortinZDF05 [219], DemasseyAM05 [177], ElkhyariGJ02a [199]

Classification	single machine	<p>BonninMNE24 [114], PrataAN23 [516], AlfieriGPS23 [15], LacknerMMWW23 [378], PenzDN23 [502], TouatBT22 [599], HamPK21 [279], Groleaz21 [264], BenediktMH20 [86], ZarandiASC20 [661], BogaerdW19 [614], BajestaniB15 [43], BajestaniB13 [42], TerekhovDOB12 [587], KovacsB11 [360], ThiruvadyBME09 [591], WuBB09 [650], KovacsB07 [358], SadykovW06 [535], KanetAG04 [343], Elkhyari03 [197], Baptiste02 [44], SourdN00 [570], BlazewiczDP96 [126]</p>	<p>ZhangBB22 [665], EmdeZD22 [200], NaderiBZ22 [461], ElciOH22 [196], YuraszeckMPV22 [657], Bedhief21 [74], KoehlerBFFHPSSS21 [352], LacknerMMWW21 [377], PandeyS21a [496], Astrand21 [35], HillTV21 [306], Zahout21 [659], AbreuAPNM21 [167], NattafM20 [471], Lunardi20 [418], BenediktSMVH18 [87], Tesch18 [590], TranPZLDB18 [604], TanT18 [579], GomesM17 [258], TranAB16 [601], KoschB14 [357], BillautHL12 [95], TranB12 [602], KovacsK11 [362], Malapert11 [424], MilanoW09 [445], Jans09 [328], AkkerDH07 [613]... (Total: 35)</p>	<p>abs-2402-00459 [473], IsikYA23 [325], NaderiRR23 [464], Fatemi-AnarakiTFV23 [213], JuvinHL23a [335], Mehdizadeh-Somarin23 [434], GeitzGSSW22 [240], JuvinHL22 [333], ZhangJZL22 [664], AbreuN22 [168], ColT22 [161], abs-2211-14492 [573], PohlAK22 [509], LiFJZLL22 [391], Godet21a [248], FanXG21 [211], QinWSLS21 [518], KovacsTKSG21 [365], GodetLHS20 [249], TangB20 [580], ParkUJR19 [500], Tom19 [596], HoundjiSW19 [320], NattafDYW19 [469], NattafHKAL19 [470], Hooker19 [316], MalapertN19 [427], GedikKEK18 [235], ArbaouiY18 [24]... (Total: 84)</p>
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7.3 Concept Type Constraints

Table 13: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	AllDiff constraint	WangB20 [635]		Godet21a [248], FahimiOQ18 [207], Fahimi16 [206], Lombardi10 [402]
Constraints	AllDiffPrec constraint	Godet21a [248]		JuvinHHL23 [332]
Constraints	AlwaysConstant		LuoB22 [420], LaborieRSV18 [376]	
Constraints	Among constraint	Siala15a [559], Siala15 [558], BeldiceanuC94 [78]	Simonis07 [566]	German18 [242], HookerH17 [318], Simonis95 [564], AggounB93 [9]
Constraints	AmongSeq constraint		Siala15 [558], Siala15a [559]	
Constraints	Arithmetic constraint		ColT22 [161]	BadicaBI20 [39], Caballero19 [127], BadicaBIL19 [40], LaborieRSV18 [376], Schutt11 [541], OhrimenkoSC09 [487], ElkhyariGJ02a [199], Baptiste02 [44], Thorsteinsson01 [594], SakkoutW00 [536], FalaschiGMP97 [209], BeldiceanuC94 [78], AggounB93 [9]
Constraints	AtMostSeq	Siala15a [559], Siala15 [558]		
Constraints	AtMostSeqCard	Siala15 [558], Siala15a [559]		
Constraints	Atmost constraint	Siala15a [559], Siala15 [558]		
Constraints	Balance constraint	Laborie03 [373]	Timpe02 [595], Muscettola02 [458]	Simonis07 [566], BeldiceanuC94 [78] GuoZ23 [272], PopovicCGNC22 [511], German18 [242], SchuttS16 [550], Siala15 [558], Siala15a [559], GrimesH15 [261], Kameugne14 [337], DerrienPZ14 [181], TerekhovDOB12 [587], Lombardi10 [402], GrimesHM09 [262], LombardiM09 [405], BeckW07 [73], BeckW05 [72]
Constraints	BinPacking constraint			Godet21a [248], AntunesABD18 [19]
Constraints	Blocking constraint	AbreuNP23 [169], RiahiNS018 [524]		IsikYA23 [325], LiFJZLL22 [391], MengZRZL20 [439], Rodriguez07 [527]
Constraints	BufferedResource	BessiereHMQW14 [93]		
Constraints	Calendar constraint	KreterSSZ18 [368], KreterSS17 [367]	KreterSS15 [366]	PovedaAA23 [513], IsikYA23 [325], Polo-MejiaALB20 [510], LaborieRSV18 [376]
Constraints	CardPath			Siala15 [558], Siala15a [559]
Constraints	Cardinality constraint	Caballero19 [127], Dejemeppe16 [173], Siala15a [559], Siala15 [558], SchausHMCMD11 [538], Malik08 [428]	OuelletQ22 [492], HoundjiSW19 [320], German18 [242], MusliuSS18 [459], HookerH17 [318], Fahimi16 [206], BofilGVS15 [105], HoundjiSWD14 [321], ChuGNSW13 [148], HachemiGR11 [276], MilanoW09 [445], MalikMB08 [429], Simonis07 [566], MilanoW06 [444]	GeibingerKKMMW21 [236], Godet21a [248], Lemos21 [385], CauwelaertDS20 [143], TangB20 [580], abs-1911-04766 [237], TranVNB17 [606], PesantRR15 [505], DoulabiRP14 [190], BessiereHMQW14 [93], BajestaniB13 [42], LimtanyakulS12 [397], Menana11 [436], BajestaniB11 [41], ClercqPBJ11 [152], KovacsB11 [360], abs-0907-0939 [506], OhrimenkoSC09 [487], KovacsB08 [359], Baptiste02 [44], BeckF00 [68], PapaB98 [499], AggounB93 [9]
Constraints	Channeling constraint	OzturkTHO13 [495], Wallace06 [633]	KoehlerBFFHPSSS21 [352], BofilEGPSV14 [104], HeinzB12 [294]	WangB23 [636], AntuoriHHEN20 [21], LiuLH19 [399], GokgurHO18 [252], BofilGVS15 [105], HeinzKB13 [295], KovacsB11 [360], WuBB09 [650], MilanoW09 [445], MouraSCL08 [454], MouraSCL08a [453], GarganiR07 [228], MilanoW06 [444]
Constraints	Completion constraint	KovacsB11 [360], KovacsB08 [359], KovacsB07 [358]	BonninMNE24 [114]	HeckmanB11 [293]
Constraints	CumulativeCost	SimonisH11 [569]		

Table 13: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	Cumulatives constraint	BeldiceanuC02 [79]	MossigeGSMC17 [452], Madi-WambaLOBM17 [422]	KameugneFND23 [340], TardivoDFMP23 [582], OuelletQ22 [492], BoudreaultSLQ22 [118], ArkhipovBL19 [25], OuelletQ18 [491], FahimiOQ18 [207], Fahimi16 [206], SchuttS16 [550], Dejemeppe16 [173], GayHS15a [233], LetortCB15 [389], GayHS15 [232], Kameugne14 [337], DerrienPZ14 [181], OuelletQ13 [490], Letort13 [386], ClercQ12 [170], LetortBC12 [387], SimonisH11 [569], ClercQPB11 [152], Malapert11 [424], Wolf11 [645], MilanoW09 [445], abs-0907-0939 [506], Simonis07 [566], MilanoW06 [444]
Constraints	Diff2 constraint			WolinskiKG04 [648], KuchcinskiW03 [370]
Constraints	Disjunctive constraint	KoehlerBFFHPSSS21 [352], Godet21a [248], GrimesH15 [261], Malapert11 [424], Baptiste02 [44], SourdN00 [570], RodosekW98 [525], PapaB98 [499], Zhou97 [670], DincbasSH90 [185]	BonninMNE24 [114], JuvinHHL23 [332], NaderiRR23 [464], BourreauGGLT22 [119], GodetLHS20 [249], GokgurHO18 [252], Fahimi16 [206], KuB16 [369], SialaAH15 [560], Siala15a [559], MelgarejoLS15 [11], Siala15 [558], SchuttFS13 [544], OzturkTHO13 [495], GrimesH11 [260], LombardiM10a [406], Lombardi10 [402], BartakSR10 [58], GrimesH10 [259], GrimesHM09 [262], ArtiguesBF04 [30], KanetAG04 [343], Laborie03 [373], ElkhayariGJ02a [199], SchildW00 [539], FocacciLN00 [216], BeckF00 [68], SakkoutW00 [536], Belhadji198 [83]... (Total: 32)	abs-2402-00459 [473], KameugneFND23 [340], Bit-Monnot23 [96], JuvinHL23a [335], NaderiBZ22a [460], JuvinHL22 [333], ZhangBB22 [665], abs-2211-14492 [573], BoudreaultSLQ22 [118], YuraszcekMPV22 [657], NaderiBZ22 [461], Groleaz21 [264], Astrand21 [35], AstrandOF21 [36], Polo-MejiaALB20 [510], MejiaY20 [435], AstrandJZ20 [38], WallaceY20 [634], German18 [242], LaborieRSV18 [376], KameugneFGOQ18 [339], TanT18 [579], FahimiOQ18 [207], DemirovicS18 [178], Dejemeppe16 [173], OrnekO16 [488], MurphyMB15 [457], Derrien15 [179], EvenSH15 [204]... (Total: 68)
Constraints	Element constraint	Dejemeppe16 [173]	KreterSS17 [367], Wolf11 [645], Darby-DowmanLMZ97 [164]	LacknerMMWW23 [378], LuoB22 [420], Godet21a [248], LacknerMMWW21 [377], TangB20 [580], AntuoriHHEN20 [21], KreterSSZ18 [368], LiuCGM17 [400], Madi-WambaLOBM17 [422], SzerediS16 [577], DoulabiRP16 [191], OrnekO16 [488], KreterSS15 [366], DoulabiRP14 [190], HoundjiSWD14 [321], BessiereHMQW14 [93], OzturkTHO12 [677], SimonisH11 [569], SchausHMCMD11 [538], Malapert11 [424], Schutt11 [541], MouraSCL08 [454], SchausD08 [537], GarganiR07 [228], BeldiceanuC94 [78]
Constraints	Flowtime constraint	BonninMNE24 [114]		
Constraints	GCC constraint	HoundjiSW19 [320], Dejemeppe16 [173], HoundjiSWD14 [321]	SchausHMCMD11 [538]	OuelletQ22 [492], TangB20 [580], CauwelaertLS18 [142], Siala15 [558], Siala15a [559], BajestaniB13 [42], HachemiGR11 [276], MilanoW09 [445], Simonis07 [566], MilanoW06 [444]
Constraints	GeneralizedAllDiffPrec	Godet21a [248]		
Constraints	IloAlternative			HeinzB12 [294]
Constraints	IloAlwaysIn			KreterSS17 [367], BajestaniB13 [42]
Constraints	IloForbidEnd			KreterSS17 [367]
Constraints	IloNoOverlap			GrimesH15 [261]
Constraints	IloPack		SchausD08 [537]	
Constraints	IloPulse			KreterSS17 [367], BajestaniB13 [42]
Constraints	MinWeightAllDiff	WangB20 [635]		WangB23 [636]
Constraints	MultiAtMostSeqCard	Siala15a [559], Siala15 [558]		
Constraints	PreemptiveNoOverlap	JuvinHHL23 [332]		
Constraints	Pulse constraint			PandeyS21a [496], GeibingerMM19 [238], ArbaouiY18 [24], KreterSS17 [367]
Constraints	Regular constraint	MusliuSS18 [459], Siala15a [559], Siala15 [558], PesantRR15 [505]	HookerH17 [318], Dejemeppe16 [173]	FrimodigS19 [223], PraletLJ15 [515], Menana11 [436], KovacsB11 [360], KovacsB08 [359]

Table 13: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	Reified constraint	Schutt11 [541], MilanoW09 [445]	KovacsK11 [362], MilanoW06 [444]	Astrand21 [35], BadicaBI20 [39], CauwelaertLS18 [142], LaborieRSV18 [376], KreterSS17 [367], Dejemeppe16 [173], Siala15 [558], Siala15a [559], SchuttFSW13 [548], OhrimenkoSC09 [487], SchausD08 [537], SchildW00 [539]
Constraints	RelSoftCumulative	abs-0907-0939 [506]		
Constraints	RelSoftCumulativeSum			abs-0907-0939 [506]
Constraints	SoftCumulative	ClercQ12 [170], ClercQPB11 [152], abs-0907-0939 [506]	OuelletQ22 [492]	
Constraints	SoftCumulativeSum	ClercQ12 [170], abs-0907-0939 [506]		ClercQPB11 [152]
Constraints	TaskIntersection constraint	Madi-WambaB16 [421]		
Constraints	UTVPI constraint	Schutt11 [541]		
Constraints	WeightAllDiff	WangB20 [635]		WangB23 [636]
Constraints	WeightedSum	Wolf09 [647]		
Constraints	WeightedTaskSum	Wolf09 [647]		
Constraints	alldifferent	JuvinHHL23 [332], Lemos21 [385], KoehlerBFFHPSSS21 [352], Godet21a [248], HoundjiSW19 [320], CauwelaertLS18 [142], Dejemeppe16 [173], Siala15 [558], Derrien15 [179], Siala15a [559], ClercQ12 [170], Menana11 [436], Malapert11 [424], MilanoW09 [445], OhrimenkoSC09 [487], Simonis07 [566], MilanoW06 [444], KanetAG04 [343]	GodetLHS20 [249], HookerH17 [318], Fahimi16 [206], BessiereHMqw14 [93], KelarevaTK13 [344], TerekhovDOB12 [587], Schutt11 [541]	WangB23 [636], GokPTGO23 [275], ColT22 [161], FarsiTM22 [212], BourreauGGLT22 [119], Astrand21 [35], AntuoriHHEN20 [21], AstrandJZ20 [38], WangB20 [635], Lunardi20 [418], MokhtarzadehTNF20 [447], Caballero19 [127], FahimiOQ18 [207], Nattaf16 [465], MelgarejoLS15 [11], AlesioNBG14 [182], ChuGNSW13 [148], Letort13 [386], HachemiGR11 [276], ClercQPB11 [152], HermenierDL11 [304], TrojetHL11 [609], LopesCSM10 [413], Malik08 [428], Thorsteinsson01 [594], Simonis99 [565], BeldiceanuC94 [78]
Constraints	alternative constraint	LaborieRSV18 [376]	abs-2305-19888 [300], MurinR19 [456], GokgurHO18 [252]	LacknerMMWW23 [378], ZhuSZW23 [673], NaderiRR23 [464], SvancaraB22 [576], WinterMMW22 [642], ZhangJZL22 [664], HeinzNVH22 [299], VlkHT21 [630], HillTV21 [306], ArmstrongGOS21 [26], HubnerGSV21 [322], PandeyS21a [496], MengZRZL20 [439], Polo-MejiaALB20 [510], SacramentoSP20 [533], YounespourAKE19 [652], GeibingerMM19 [238], NishikawaSTT19 [476], GalleguillosKSB19 [227], MalapertN19 [427], EscobetPQPRA19 [202], NattafDYW19 [469], abs-1911-04766 [237], NishikawaSTT18a [475], NishikawaSTT18 [474], ArbaouiY18 [24], Ham18a [278], Laborie18a [375], TranVNB17 [606]... (Total: 41)
Constraints	alwaysEqual constraint		LaborieRSV18 [376], GoelSHFS15 [250]	HamC16 [280]
Constraints	alwaysIn	PopovicCGNC22 [511], SerraNM12 [553]	AalianPG23 [1], LuoB22 [420], TangB20 [580], Polo-MejiaALB20 [510], MalapertN19 [427], LaborieRSV18 [376], GoelSHFS15 [250]	CampeauG22 [129], KreterSS17 [367], BajestaniB13 [42]
Constraints	bin-packing	Godet21a [248], Zahout21 [659], TangB20 [580], CauwelaertLS18 [142], RoshanaeiLAU17 [529], LetortCB15 [389], Letort13 [386], LetortCB13 [388], HeinzSSW12 [296], LetortBC12 [387], SchausHMCMD11 [538], Malapert11 [424], SchausD08 [537]	JuvinHL23a [335], LuoB22 [420], EmdeZD22 [200], BadicaBI20 [39], AntunesABD20 [20], FrimodigS19 [223], AntunesABD18 [19], BaptisteB18 [46], LiW08 [390], GarganiR07 [228], SchildW00 [539], SakkoutW00 [536]	abs-2402-00459 [473], Fatemi-AnarakiTFV23 [213], GuoZ23 [272], LacknerMMWW23 [378], AkramNHRSA23 [13], YunusogluY22 [655], abs-2211-14492 [573], ArmstrongGOS21 [26], GodetLHS20 [249], RoshanaeiBAUB20 [528], TranPZLDB18 [604], German18 [242], HookerH17 [318], Madi-WambaLOBM17 [422], DoulabiRP16 [191], DoulabiRP14 [190], KoschB14 [357], LimtanyakulS12 [397], EdisO11 [192], HermenierDL11 [304], Schutt11 [541], BeldiceanuCDP11 [80], Lombardi10 [402], LombardiMRB10 [412], KovacsB08 [359], HentenryckM08 [303], Simonis07 [566], DavenportKRSH07 [166], SimonisCK00 [567]... (Total: 31)

Table 13: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	circuit	MontemanniD23a [450], KlankeBYE21 [350], Mercier-AubinGQ20 [441], MokhtarzadehTNF20 [447], Caballero19 [127], HookerH17 [318], Lombardi10 [402], RuggieroBBMA09 [532], Rodriguez07 [527], RodriguezDG02 [526], GruianK98 [267], Wallace96 [632], BeldiceanuC94 [78]	Groleaz21 [264], AntuoriHHEN20 [21], WessenCS20 [640], Siala15 [558], Siala15a [559], LombardiMB13 [411], TranB12 [602], Malapert11 [424], KrogtLPHJ07 [615], KuchcinskiW03 [370], HookerO03 [317], Thorsteinsson01 [594], Simonis99 [565], Simonis95a [563], DincbasSH90 [185]	PrataAN23 [516], IsikYA23 [325], MontemanniD23 [451], Fatemi-AnarakiTFV23 [213], GokPTGO23 [275], JuvinHL23a [335], ColT22 [161], MullerMKP22 [455], JungblutK22 [331], FarsiTM22 [212], JuvinHL22 [333], Astrand21 [35], KoehlerBFFHPSSS21 [352], Zahout21 [659], ArmstrongGOS21 [26], GokGSTO20 [251], GroleazNS20 [266], WallaceY20 [634], HoundjiSW19 [320], EscobetPQPRA19 [202], Hooker19 [316], Ham18a [278], TangLWSK18 [581], CappartTSR18 [131], CauwelaertLS18 [142], Hooker17 [315], BridiBLMB16 [121], HechingH16 [292], Dejemeppe16 [173]... (Total: 73)
Constraints	cumulative	TardivoDFMP23 [582], NaderiRR23 [464], LacknerMMWW23 [378], PovedaAA23 [513], AalianPG23 [1], KameugneFND23 [340], IsikYA23 [325], FetgoD22 [215], PohlAK22 [509], OuelletQ22 [492], ZhangJZL22 [664], LuoB22 [420], BoudreaultSLQ22 [118], Lemos21 [385], LacknerMMWW21 [377], KovacsTKSG21 [365], Godet21a [248], Zahout21 [659], Groleaz21 [264], HanenKP21 [281], Polo-MejiaALB20 [510], Mercier-AubinGQ20 [441], WallaceY20 [634], GroleazNS20a [265], SacramentoSP20 [533], GodetLHS20 [249], ThomasKS20 [593], GroleazNS20 [266], YangSS19 [651]... (Total: 164)	ForbesHJST24 [218], BonninMNE24 [114], PrataAN23 [516], abs-2402-00459 [473], EfthymiouY23 [195], abs-2312-13682 [504], GokPTGO23 [275], PerezGSL23 [503], ColT22 [161], ElciOH22 [196], YunusogluY22 [655], CampeauG22 [129], GeitzGSSW22 [240], AbreuN22 [168], HillTV21 [306], HubnerGSV21 [322], KlankeBYE21 [350], NattafM20 [471], NattafHKAL19 [470], GalleguillosKSB19 [227], NishikawaSTT19 [476], BorghesiBLMB18 [116], GedikeKEK18 [235], TranVNB17a [607], HurleyOS16 [323], BoothNB16 [115], BonfiettiZLM16 [113], Bonfietti16 [106], LimHTB16 [394]... (Total: 57)	GurPAE23 [273], TasselGS23 [583], JuvinHL23a [335], abs-2306-05747 [584], AbreuPNF23 [3], abs-2305-19888 [300], Bit-Monnot23 [96], YuraszcekMCCR23 [658], JuvinHHL23 [332], HeinzNVH22 [299], PopovicCGNC22 [511], HebrardALLCMR22 [289], abs-2211-14492 [573], SubulanC22 [572], JuvinHL22 [333], ArmstrongGOS22 [27], Astrand21 [35], PandeyS21a [496], ArtiguesHQT21 [32], GeibingerMM21 [239], KoehlerBFFHPSSS21 [352], ArmstrongGOS21 [26], GokGSTO20 [251], ZouZ20 [676], HauderBRPA20 [287], CauwelaertDS20 [143], abs-1902-09244 [286], FrimodigS19 [223], YounespourAKE19 [652]... (Total: 118)
Constraints	cycle	AalianPG23 [1], Astrand0F21 [36], Astrand21 [35], AbohashimaEG21 [2], AntuoriHHEN21 [22], Groleaz21 [264], GroleazNS20a [265], AntuoriHHEN20 [21], WallaceY20 [634], AstrandJZ20 [38], Caballero19 [127], ParkUJR19 [500], BorghesiBLMB18 [116], AstrandJZ18 [37], GomesM17 [258], Dejemeppe16 [173], BridiBLMB16 [121], OzturkTHO15 [678], BessiereHMQW14 [93], BonfiettiLBM14 [109], BegB13 [75], MalapertCGJLR12 [425], MenciaSV12 [437], LombardiBMB11 [404], Malapert11 [424], Schutt11 [541], SunLYL10 [574], LombardiMRB10 [412], RuggieroBBMA09 [532]... (Total: 44)	EfthymiouY23 [195], CampeauG22 [129], Lemos21 [385], KoehlerBFFHPSSS21 [352], HillTV21 [306], HubnerGSV21 [322], Godet21a [248], CauwelaertDS20 [143], Lunardi20 [418], ZarandiASC20 [661], GroleazNS20 [266], ArkhipovBL19 [25], MossigeGSMC17 [452], TranAB16 [601], Froger16 [224], SimoninAHL15 [562], BurtLPS15 [125], PraletLJ15 [515], Siala15 [558], Siala15a [559], HarjunkskiMBC14 [283], TranTDB13 [605], SchuttFSW13 [548], SimoninAHL12 [561], OzturkTHO12 [677], BonfiettiLBM12 [108], HachemiGR11 [276], KovacsB11 [360], BonfiettiLBM11 [107]... (Total: 46)	Bit-Monnot23 [96], AkramNHRSA23 [13], GokPTGO23 [275], Fatemi-AnarakiTFV23 [213], GuoZ23 [272], ZhangBB22 [665], BourreauGGLT22 [119], AbreuN22 [168], ArmstrongGOS21 [26], Zahout21 [659], FanXG21 [211], HamPK21 [279], AbreuAPNM21 [167], QinDCS20 [519], BadicaBI20 [39], MokhtarzadehTNF20 [447], HauderBRPA20 [287], TangB20 [580], FallahiAC20 [210], Mercier-AubinGQ20 [441], Novas19 [478], Hooker19 [316], BadicaBIL19 [40], abs-1902-09244 [286], EscobetPQPRA19 [202], KucukY19 [372], Ham18a [278], Ham18 [277], TangLWSK18 [581]... (Total: 89)
Constraints	diffn	ArmstrongGOS21 [26], Simonis07 [566], SimonisCK00 [567], BeldiceanuC94 [78]	BeldiceanuCDP11 [80]	BourreauGGLT22 [119], LuoB22 [420], KreterSS17 [367], KreterSS15 [366], Malapert11 [424], TrojetHL11 [609], ChenGPH10 [147], Timpe02 [595], Simonis99 [565], GruianK98 [267], SimonisC95 [568], Simonis95a [563], Simonis95 [564]

Table 13: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	disjunctive	BonninMNE24 [114], JuvinHHL23 [332], NaderiRR23 [464], AfsarVPG23 [8], Bit-Monnot23 [96], YuraszeckMPV22 [657], BourreauGGLT22 [119], ZhangBB22 [665], JuvinHL22 [333], Groleaz21 [264], Godet21a [248], KoehlerBFFHPSSS21 [352], Astrand21 [35], GodetLHS20 [249], FahimiOQ18 [207], GokgurHO18 [252], LaborieRSV18 [376], German18 [242], NattafAL17 [467], Pralet17 [514], HookerH17 [318], MossigeGSMC17 [452], FontaineMH16 [217], KuB16 [369], Fahimi16 [206], OrnekO16 [488], Siala15 [558], Siala15a [559], GrimesH15 [261]... (Total: 84)	Adelgren2023 [7], JuvinHL23a [335], BoudreaultSLQ22 [118], OrnekOS20 [489], Astrand0F21 [36], GeibingerMM21 [239], AstrandJZ20 [38], Polo-MejiaALB20 [510], SacramentoSP20 [533], RoshanaeiBAUB20 [528], MejiaY20 [435], YangSS19 [651], CauwelaertLS18 [142], DemirovicS18 [178], TanT18 [579], KameugneFGOQ18 [339], Dejemeppe16 [173], Nattaf16 [465], SimoninAHL15 [562], VilimLS15 [628], EvenSH15 [204], EvenSH15a [205], GayHS15 [232], LipovetzkyBPS14 [398], KameugneFSN14 [342], HarjunkoskiMBC14 [283], GaySS14 [234], MalapertCGJLR13 [426], MalapertCGJLR12 [425]... (Total: 47)	abs-2402-00459 [473], LacknerMMWW23 [378], abs-2306-05747 [584], KameugneFND23 [340], EfthymiouY23 [195], TasselGS23 [583], Fatemi-AnarakiTFV23 [213], TardivoDFMP23 [582], ZhuSZW23 [673], PovedaAA23 [513], GokPTGO23 [275], AbreuPNF23 [3], MullerMKP22 [455], ElciOH22 [196], NaderiBZ22a [460], OujanaAYB22 [493], NaderiBZ22 [461], OuelletQ22 [492], ColT22 [161], abs-2211-14492 [573], ZhangYW21 [666], KlankeBYE21 [350], ZarandiASC20 [661], Mercier-AubinGQ20 [441], CauwelaertDS20 [143], WallaceY20 [634], GokGSTO20 [251], Lunardi20 [418], KucukY19 [372]... (Total: 141)
Constraints	endBeforeStart	SubulanC22 [572], QinDCS20 [519]	ZhuSZW23 [673], IsikYA23 [325], NaderiRR23 [464], NaderiBZ22a [460], PandeyS21a [496], LunardiBLRV20 [417], Lunardi20 [418], MengZRZL20 [439], LaborieRSV18 [376], NovaraNH16 [477], Laborie09 [374]	JuvinHL23a [335], LacknerMMWW23 [378], AalianPG23 [1], JuvinHHL23 [332], YuraszeckMCCR23 [658], CzerniachowskaWZ23 [160], JuvinHL23 [334], CampeauG22 [129], ZhangJZL22 [664], Teppan22 [586], YunusogluY22 [655], JuvinHL22 [333], LacknerMMWW21 [377], HamPK21 [279], HubnerGSV21 [322], ZhangYW21 [666], Polo-MejiaALB20 [510], BenediktMH20 [86], TangB20 [580], ZouZ20 [676], SacramentoSP20 [533], GeibingerMM19 [238], Novas19 [478], MurinR19 [456], abs-1902-09244 [286], ParkUJR19 [500], abs-1911-04766 [237], NishikawaSTT18a [475], NishikawaSTT18 [474]... (Total: 32)
Constraints	geost	BeldiceanuCDP11 [80]	LetortBC12 [387], PembertonG98 [501]	Letort13 [386], Malapert11 [424], Schutt11 [541], BeldiceanuCP08 [81]
Constraints	noOverlap	abs-2305-19888 [300], IsikYA23 [325], JuvinHHL23 [332], NaderiRR23 [464], ZhuSZW23 [673], PopovicCGNC22 [511], HeinzNVH22 [299], ColT22 [161], Groleaz21 [264], VlkHT21 [630], Lunardi20 [418], LunardiBLRV20 [417], QinDCS20 [519], GedikKEK18 [235], MelgarejoLS15 [11]	abs-2306-05747 [584], KimCMLLP23 [349], LacknerMMWW23 [378], TasselGS23 [583], YuraszeckMPV22 [657], NaderiBZ22a [460], AbreuN22 [168], PohlAK22 [509], SvancaraB22 [576], KlankeBYE21 [350], Bedhief21 [74], BenderWS21 [84], ZouZ20 [676], RoshanaeiBAUB20 [528], BenediktMH20 [86], MengZRZL20 [439], SacramentoSP20 [533], MalapertN19 [427], abs-1911-04766 [237], YounespourAKE19 [652], MurinR19 [456], EscobetPQPRA19 [202], Novas19 [478], LaborieRSV18 [376], Ham18a [278], ZhangW18 [667], ArbaouiY18 [24], Ham18 [277], CohenHB17 [155]... (Total: 36)	BonninMNE24 [114], JuvinHL23a [335], YuraszeckMC23 [656], AalianPG23 [1], AbreuPNF23 [3], AbreuNP23 [169], JuvinHL23 [334], CzerniachowskaWZ23 [160], SquillaciPR23 [571], YunusogluY22 [655], WinterMMW22 [642], CampeauG22 [129], OujanaAYB22 [493], ArmstrongGOS22 [27], TouatBT22 [599], EmdeZD22 [200], ZhangJZL22 [664], Teppan22 [586], JuvinHL22 [333], OrnekOS20 [489], NaderiBZ22 [461], HamPK21 [279], AbreuAPNM21 [167], LacknerMMWW21 [377], GroleazNS20a [265], Polo-MejiaALB20 [510], GroleazNS20 [266], NattafM20 [471], BogaerdtW19 [614]... (Total: 42)
Constraints	regular expression		FrimodigS19 [223]	HookerH17 [318]
Constraints	span constraint		Groleaz21 [264], CappartS17 [130], SchuttFS13 [544], LombardiM10a [406], Lombardi10 [402], Darby-DowmanLMZ97 [164]	OujanaAYB22 [493], ZhangBB22 [665], TangB20 [580], ZouZ20 [676], YounespourAKE19 [652], LaborieRSV18 [376], SimoninAHL15 [562], SimoninAHL12 [561], SchuttFSW11 [547]
Constraints	table constraint	Lombardi10 [402], LombardiM10a [406], Baptiste02 [44], PapaB98 [499]	JelinekB16 [329], LombardiMRB10 [412]	PerezGSL23 [503], abs-2312-13682 [504], ArmstrongGOS21 [26], CauwelaertLS18 [142], Siala15a [559], Siala15 [558], GayHS15 [232], PesantRR15 [505], MelgarejoLS15 [11], LimtanyakulS12 [397], BeniniLMR11 [90], BeckFW11 [66], HermenierDL11 [304], LopesCSM10 [413], MouraSCL08 [454], GodardLN05 [247], Laborie03 [373], ElkhyariGJ02 [198]

7.4 Concept Type ProgLanguages

Table 14: Works for Concepts of Type ProgLanguages

Type	Keyword	High	Medium	Low
ProgLanguages	C	KoehlerBFFHPSSS21 [352]		EmdeZD22 [200], HubnerGSV21 [322], ThomasKS20 [593], BogaerdtW19 [614], HoYCLLC18 [307], TangLWSK18 [581], LaborieRSV18 [376], LombardiMRB10 [412], Lombardi10 [402], LombardiM10a [406], Laborie09 [374], GarridoOS08 [230], Layfield02 [384]
ProgLanguages	C++	Pape94 [497]	BourreauGGLT22 [119], Demassey03 [176]	BonninMNE24 [114], TardivoDFMP23 [582], JuvinHHL23 [332], ColT22 [161], NaderiBZ22a [460], PopovicCGNC22 [511], QinWSLS21 [518], AbreuAPNM21 [167], Lemos21 [385], Astrand21 [35], AntuoriHHEN21 [22], Mercier-AubinGQ20 [441], Polo-MejiaALB20 [510], AstrandJZ20 [38], RoshanaeiBAUB20 [528], Caballero19 [127], abs-1902-01193 [14], LaborieRSV18 [376], TranPZLDB18 [604], ArbaouiY18 [24], NattafAL17 [467], GomesM17 [258], Nattaf16 [465], Tesch16 [589], BoothNB16 [115], Bonfietti16 [106], NattafALR16 [468], Fahimi16 [206], NattafAL15 [466]... (Total: 73)
ProgLanguages	Java	abs-2102-08778 [156], Malapert11 [424]	Froger16 [224], Wolf11 [645], KuchcinskiW03 [370]	AlfieriGPS23 [15], KameugneFND23 [340], abs-2306-05747 [584], TasselGS23 [583], MullerMKP22 [455], FetgoD22 [215], ColT22 [161], Teppan22 [586], YuraszeckMPV22 [657], OuelletQ22 [492], Lemos21 [385], Groleaz21 [264], FanXG21 [211], AntuoriHHEN21 [22], ArmstrongGOS21 [26], CauwelaertDS20 [143], MejiaY20 [435], SacramentoSP20 [533], ThomasKS20 [593], TangB20 [580], BarzegaranZP20 [61], FrohnerTR19 [225], Tom19 [596], ColT19 [157], GeibingerMM19 [238], abs-1911-04766 [237], GombolayWS18 [256], KameugneFGQ18 [339], CauwelaertLS18 [142]... (Total: 59)
ProgLanguages	Julia			HebrardALLCMR22 [289], ElciOH22 [196], Groleaz21 [264], Astrand21 [35], CatusseCBL16 [140], Wallace96 [632]
ProgLanguages	Lisp	Pape94 [497]		PopovicCGNC22 [511], ArmstrongGOS22 [27], ZarandiASC20 [661], YangSS19 [651], abs-1902-01193 [14], CauwelaertLS18 [142], German18 [242], JelinekB16 [329], LetortCB15 [389], Kameugne14 [337], LetortCB13 [388], Letort13 [386], Clercq12 [170], LetortBC12 [387], Schutt11 [541], TrojetHL11 [609], BeldiceanuCDP11 [80], Menana11 [436], BartakCS10 [56], AronssonBK09 [29], BeldiceanuCP08 [81], KrogtLPHJ07 [615], Simonis07 [566], QuSN06 [520], Geske05 [243], PoderBS04 [508], Baptiste02 [44], Bartak02 [54], BeldiceanuC02 [79]... (Total: 38)
ProgLanguages	Prolog	ArmstrongGOS21 [26], Simonis99 [565], LammaMM97 [381], FalaschiGMP97 [209], Zhou97 [670], Wallace96 [632], Touraivane95 [600], Simonis95a [563], Simonis95 [564], DincbasSH90 [185]	BadicaBI20 [39], MossigeGSMC17 [452], Madi-WambaLOBM17 [422], Malapert11 [424], MartinPY01 [431], SimonisCK00 [567], RodosekW98 [525], Zhou96 [669], SimonisC95 [568], BeldiceanuC94 [78], AggounB93 [9]	AbreuPNF23 [3], EfthymiouY23 [195], AbreuNP23 [169], KimCMLLP23 [349], NaderiRR23 [464], SquillaciPR23 [571], Mehdizadeh-Somarin23 [434], MontemanniD23 [451], PovedaAA23 [513], MontemanniD23a [450], AkramNHRSA23 [13], MullerMKP22 [455], ZhangBB22 [665], FetgoD22 [215], PohlAK22 [509], EtminaniefahaniGNMS22 [203], LuoB22 [420], CampeauG22 [129], FanXG21 [211], HanenKP21 [281], BenderWS21 [84], KlankeBYE21 [350], Lemos21 [385], AbohashimaEG21 [2], Lunardi20 [418], LunardiBLRV20 [417], GokGSTO20 [251], Mercier-AubinGQ20 [441], FrimodigS19 [223]... (Total: 40)
ProgLanguages	Python	KoehlerBFFHPSSS21 [352]	ForbesHJST24 [218], Fatemi-AnarakiTFV23 [213], GuoZ23 [272], abs-2211-14492 [573], AbreuN22 [168], AbreuAPNM21 [167], LaborieRSV18 [376]	

7.5 Concept Type CPSystems

Table 15: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	CHIP	TrojetHL11 [609], Simonis07 [566], SimonisCK00 [567], Simonis99 [565], GruianK98 [267], Wallace96 [632], Simonis95 [564], Goltz95 [255], SimonisC95 [568], Simonis95a [563], BeldiceanuC94 [78], AggounB93 [9], DincbasSH90 [185]	ArmstrongGOS21 [26], YangSS19 [651], LaborieRSV18 [376], HookerH17 [318], Geske05 [243], PoderBS04 [508], Timpe02 [595], Beck99 [62], RodosekW98 [525], Zhou97 [670], LammaMM97 [381]	PrataAN23 [516], TardivoDFMP23 [582], KameugneFND23 [340], LuoB22 [420], FetgoD22 [215], BourreauGGLT22 [119], PopovicCGNC22 [511], KlankeBYE21 [350], Godet21a [248], GodetLHS20 [249], Caballero19 [127], abs-1902-01193 [14], GoldwaserS18 [254], BaptisteB18 [46], KameugneFGOQ18 [339], CauwelaertLS18 [142], GokgurHO18 [252], MossigeGSMC17 [452], Pralet17 [514], KreterSS17 [367], FontaineMH16 [217], Madi-WambaB16 [421], Dejemeppe16 [173], Fahimi16 [206], ZhouGL15 [671], LetortCB15 [389], Siala15a [559], SimoninAHL15 [562], Siala15 [558]... (Total: 80)
CPSystems	CPO	LacknerMMWW23 [378], JuvinHHL23 [332], Bit-Monnot23 [96], CzerniachowskaWZ23 [160], NaderiRR23 [464], JuvinHL23a [335], WinterMMW22 [642], ZhangBB22 [665], ColT22 [161], NaderiBZ22 [461], LacknerMMWW21 [377], Zahout21 [659], Groleaz21 [264], ArmstrongGOS21 [26], ThomasKS20 [593], Lunardi20 [418], NattafM20 [471], GroleazNS20 [266], Polo-MejiaALB20 [510], GroleazNS20a [265], SacramentoSP20 [533], GeibingerMM19 [238], ColT19 [157], MalapertN19 [427], CappartTSR18 [131], LaborieRSV18 [376], KreterSS17 [367], GoelSHFS15 [250], PraletLJ15 [515]... (Total: 31)	AalianPG23 [1], JuvinHL22 [333], abs-1911-04766 [237], Dejemeppe16 [173], GrimesH15 [261], NuijtenA96 [484], NuijtenA94 [482]	JuvinHL23 [334], PovedaAA23 [513], NaderiBZ22a [460], OujanaAYB22 [493], GeibingerMM21 [239], abs-2102-08778 [156], TangB20 [580], Caballero19 [127], Ham18a [278], Laborie18a [375], Pralet17 [514], VilimLS15 [628], BartakSR10 [58], Vilim09 [623], GarridoAO09 [229], GarridoOS08 [230], BeldiceanuC94 [78]
CPSystems	Choco Solver	TasselGS23 [583], abs-2306-05747 [584], Godet21a [248], German18 [242], Fahimi16 [206], LetortCB15 [389], Derrien15 [179], LetortCB13 [388], Letort13 [386], OuelletQ13 [490], LetortBC12 [387], Malapert11 [424], Menana11 [436], abs-0907-0939 [506], GrimesHM09 [262], GarridoAO09 [229], GarridoOS08 [230], Elkhyari03 [197]	KameugneFND23 [340], MullerMKP22 [455], FetgoD22 [215], AntuoriHHEN21 [22], AntuoriHHEN20 [21], LiuLH19 [399], FahimiOQ18 [207], KameugneFGOQ18 [339], LaborieRSV18 [376], Froger16 [224], GayHS15 [232], KoschB14 [357], Kameugne14 [337], DerrienP14 [180], DerrienPZ14 [181], MalapertCGJLR12 [425], Clercq12 [170], ClercqPBJ11 [152], HermenierDL11 [304]	BourreauGGLT22 [119], OuelletQ22 [492], Groleaz21 [264], GodetLHS20 [249], YangSS19 [651], OuelletQ18 [491], GingrasQ16 [246], AmadiniGM16 [17], Madi-WambaB16 [421], MurphyMB15 [457], EvenSH15 [204], GrimesH15 [261], EvenSH15a [205], BessiereHMQW14 [93], MalapertCGJLR13 [426], SimonisH11 [569], BartakSR10 [58], RossiTHP07 [531], CorreaLR07 [159], Baptiste02 [44]
CPSystems	Chuffed	LacknerMMWW23 [378], PovedaAA23 [513], BoudreaultSLQ22 [118], MullerMKP22 [455], LacknerMMWW21 [377], GeibingerMM21 [239], Godet21a [248], KoehlerBFFHPSSS21 [352], ArmstrongGOS21 [26], WallaceY20 [634], GodetLHS20 [249], abs-1911-04766 [237], KreterSSZ18 [368], YoungFS17 [653], KreterSS17 [367], SzerediS16 [577], KreterSS15 [366]	GoldwaserS18 [254]	Caballero19 [127], SchuttS16 [550]
CPSystems	Claire	Nattaf16 [465], Siala15a [559], Siala15 [558], Malapert11 [424], Demassey03 [176], Elkhyari03 [197], BaptisteP00 [49]	Zahout21 [659], Menana11 [436], BaptisteP97 [48]	HebrardALLCMR22 [289], Godet21a [248], HanenKP21 [281], Derrien15 [179], Kameugne14 [337], Letort13 [386], Baptiste02 [44], PapaB98 [499]

Table 15: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	Cplex	GuoZ23 [272], AfsarVPG23 [8], ZhuSZW23 [673], Adelgren2023 [7], CzerniachowskaWZ23 [160], NaderiRR23 [464], NaderiBZ22 [461], ElciOH22 [196], BourreauGGLT22 [119], OrnekOS20 [489], WinterMMW22 [642], SubulanC22 [572], EtminaniesfahaniGNMS22 [203], EmdeZD22 [200], MullerMKP22 [455], HamPK21 [279], HubnerGSV21 [322], GeibingerKKMMW21 [236], KoehlerBFFHPSSS21 [352], PandeyS21a [496], Bedhief21 [74], Lemos21 [385], Groleaz21 [264], SacramentoSP20 [533], MejiaY20 [435], LunardiBLRV20 [417], RoshanaeiBAUB20 [528], QinDCS20 [519], ZouZ20 [676]... (Total: 55)	BonninMNE24 [114], Fatemi-AnarakiTFV23 [213], LacknerMMWW23 [378], Mehdi-zadeh-Somarin23 [434], AbreuNP23 [169], IsikYA23 [325], CampeauG22 [129], LuoB22 [420], TouatBT22 [599], NaderiBZ22a [460], YunusogluY22 [655], ColT22 [161], LacknerMMWW21 [377], Zahout21 [659], KovacsTKSG21 [365], QinWSLS21 [518], ArmstrongGOS21 [26], MokhtarzadehTNF20 [447], HauderBRPA20 [287], NattafM20 [471], WallaceY20 [634], MalapertN19 [427], NattafHKAL19 [470], abs-1902-09244 [286], Novas19 [478], Ham18a [278], German18 [242], GomesM17 [258], RoshanaeiLAU17 [529]... (Total: 61)	JuvinHL23a [335], AlfieriGPS23 [15], JuvinHL23 [334], AbreuPNF23 [3], PovedaAA23 [513], PenzDN23 [502], AalianPG23 [1], SquillaciPR23 [571], GurPAE23 [273], YuraszeckMCCR23 [658], JuvinHL22 [333], PohlAK22 [509], AbreuN22 [168], abs-2211-14492 [573], FarsiTM22 [212], YuraszeckMPV22 [657], PopovicCGNC22 [511], ZhangYW21 [666], abs-2102-08778 [156], GeibingerMM21 [239], FanXG21 [211], Astrand21 [35], VlkHT21 [630], ArtiguesHQT21 [32], KlankeBYE21 [350], AbreuAPNM21 [167], Polo-MejiaALB20 [510], TangB20 [580], ThomasKS20 [593]... (Total: 116)
CPSystems	ECLiPSe	BadicaBI20 [39], BadicaBIL19 [40], RodosekW98 [525]	Kameugne14 [337], SchuttFSW11 [547], Malapert11 [424], Schutt11 [541], MilanoW09 [445], LiW08 [390], MilanoW06 [444], Wallace06 [633], KanetAG04 [343], KamarainenS02 [336], Simonis99 [565], Darby-DowmanLMZ97 [164], Wallace96 [632]	FanXG21 [211], MejiaY20 [435], WikarekS19 [641], HookerH17 [318], HarjunkskiMBC14 [283], Clercq12 [170], ZeballosQH10 [663], LombardiMRB10 [412], SchuttFSW09 [545], BeniniBGM06 [88], ChuX05 [149], QuirogaZH05 [521], HarjunkskiG02 [282], Baptiste02 [44], MartinPY01 [431], JainG01 [327], LammaMM97 [381]
CPSystems	Gecode	TardivoDFMP23 [582], Astrand21 [35], GokGSTO20 [251], BadicaBI20 [39], AstrandJZ20 [38], BadicaBIL19 [40], Fahimi16 [206], SzerediS16 [577], ZhouGL15 [671], GayHS15 [232], Kameugne14 [337], KameugneFSN14 [342], OhrimenkoSC09 [487]	MullerMKP22 [455], AntuoriHHEN21 [22], Groleaz21 [264], GeibingerKKMMW21 [236], Astrand0F21 [36], GeibingerMM19 [238], FrohnerTR19 [225], abs-1911-04766 [237], LaborieRSV18 [376], BurtLPS15 [125], BofilIEGPSV14 [104], Malapert11 [424], KovacsK11 [362], KameugneFSN11 [341], ThiruvadyBME09 [591]	ArmstrongGOS21 [26], WessenCS20 [640], WallaceY20 [634], MengZRZL20 [439], YangSS19 [651], FrimodigS19 [223], MusliuSS18 [459], GoldwaserS18 [254], CauwelaertLS18 [142], AstrandJZ18 [37], GoldwaserS17 [253], Dejemeppe16 [173], AmadiniGM16 [17], PesantRR15 [505], HarjunkskiMBC14 [283], LombardiMB13 [411], Clercq12 [170], MonetteDD07 [448]
CPSystems	Gurobi	WangB23 [636], Adelgren2023 [7], LacknerMMWW23 [378], NaderiRR23 [464], WinterMMW22 [642], ZhangBB22 [665], LacknerMMWW21 [377], Lemos21 [385], KovacsTKSG21 [365], GeibingerKKMMW21 [236], KoehlerBFFHPSSS21 [352], WangB20 [635], GokGSTO20 [251], WallaceY20 [634], FrohnerTR19 [225], MusliuSS18 [459], GombolayWS18 [256], RoshanaeiLAU17 [529], KuB16 [369]	ForbesHJST24 [218], GuoZ23 [272], Groleaz21 [264], VlkHT21 [630], GoldwaserS18 [254], GoldwaserS17 [253], FontaineMH16 [217], Froger16 [224]	abs-2305-19888 [300], KimCMLLP23 [349], MontemanniD23 [451], HeinzNVH22 [299], PohlAK22 [509], AbohashimaEG21 [2], HubnerGSV21 [322], FanXG21 [211], KlankeBYE21 [350], BenediktMH20 [86], MengZRZL20 [439], He0GLW18 [288], DemirovicS18 [178], BenediktSMVH18 [87], TranAB16 [601], AmadiniGM16 [17], BurtLPS15 [125], PesantRR15 [505], HarjunkskiMBC14 [283]
CPSystems	Ilog Scheduler	GrimesH11 [260], Malapert11 [424], ZeballosQH10 [663], Laborie03 [373]	LaborieRSV18 [376], LimtanyakulS12 [397], NovasH12 [480], HeinzB12 [294], HeckmanB11 [293], BeckFW11 [66], GrimesHM09 [262], WatsonB08 [639], ZeballosH05 [662], BeckR03 [70], JainG01 [327], Beck99 [62], NuijtenP98 [483]	Laborie18a [375], KuB16 [369], SchuttS16 [550], Fahimi16 [206], TranWDRFOVB16 [608], GrimesH15 [261], TerekhovTDB14 [588], NovasH14 [481], TerekhovDOB12 [587], Schutt11 [541], BeniniLMR11 [90], KovacsB11 [360], SchuttFSW11 [547], LahimerLH11 [379], HachemiGR11 [276], LopesCSM10 [413], abs-1009-0347 [546], ChenGPSH10 [147], NovasH10 [479], OzturkTHO10 [494], CarchraeB09 [132], RuggieroBBMA09 [532], BidotVLB09 [94], Vilim09a [624], MouraSCL08a [453], MouraSCL08 [454], BeniniLMR08 [89], KovacsB08 [359], HoeveGSL07 [616]... (Total: 58)

Table 15: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	Ilog Solver		GrimesH11 [260], ZeballosQH10 [663], LiW08 [390], SchausD08 [537], HarjunkoskiG02 [282], JainG01 [327]	abs-1902-01193 [14], LaborieRSV18 [376], HookerH17 [318], Dejemeppe16 [173], ZarandiKS16 [660], PesantRR15 [505], Siala15 [558], Siala15a [559], BonfiettiLBM14 [109], NovasH14 [481], OzturkTHO13 [495], LombardiMB13 [411], HeinzB12 [294], BonfiettiLBM12 [108], NovasH12 [480], TerekhovDOB12 [587], LombardiM12a [408], BajestaniB11 [41], KovacsK11 [362], KovacsB11 [360], BandaSC11 [171], KelbelH11 [345], BonfiettiLBM11 [107], TopalogluO11 [597], Schutt11 [541], LombardiM10 [407], abs-1009-0347 [546], LopesCSM10 [413], ChenGPSH10 [147]... (Total: 62)
CPSystems	MiniZinc	LacknerMMWW23 [378], TardivoDFMP23 [582], BoudreaultSLQ22 [118], MullerMKP22 [455], JungblutK22 [331], ColT22 [161], KoehlerBFFHPSSS21 [352], LacknerMMWW21 [377], ArmstrongGOS21 [26], Mercier-AubinGQ20 [441], WallaceY20 [634], abs-1911-04766 [237], FrohnerTR19 [225], GeibingerMM19 [238], ColT19 [157], HookerH17 [318], YoungFS17 [653], LiuCGM17 [400], AmadiniGM16 [17], SzerediS16 [577], BofilIEGPSV14 [104], KelarevaTK13 [344]	PovedaAA23 [513], Godet21a [248], GokGSTO20 [251], MusliuSS18 [459], KreterSS17 [367], KreterSS15 [366]	Bit-Monnot23 [96], OuelletQ22 [492], GeibingerKKMMW21 [236], abs-2102-08778 [156], FrimodigS19 [223], abs-1901-07914 [77], Hooker19 [316], Caballero19 [127], BehrensLM19 [76], KreterSSZ18 [368], DemirovicS18 [178], CappartTSR18 [131], TranVNB17 [606], FontaineMH16 [217], SchuttS16 [550], BurtLPS15 [125], HeinzSB13 [298], SchuttFS13 [544]
CPSystems	Mistral	JuvinHHL23 [332], Siala15 [558], Siala15a [559], Malapert11 [424], GrimesHM09 [262]	Bit-Monnot23 [96], Kameugne14 [337], BillautHL12 [95]	GrimesH15 [261], SialaAH15 [560]
CPSystems	OPL	LacknerMMWW23 [378], GuoZ23 [272], YunusogluY22 [655], MullerMKP22 [455], TouatBT22 [599], ColT22 [161], LacknerMMWW21 [377], PandeyS21a [496], KoehlerBFFHPSSS21 [352], QinDCS20 [519], Novas19 [478], EscobetPQPRA19 [202], LaborieRSV18 [376], TangLWSK18 [581], NovaraNH16 [477], Dejemeppe16 [173], AlesioNBG14 [182], LouieVNB14 [416], NovasH12 [480], HachemiGR11 [276], ZeballosQH10 [663], Laborie09 [374], LiW08 [390], KhayatLR06 [347], KanetAG04 [343], JainG01 [327], AggounB93 [9]	SubulanC22 [572], Teppan22 [586], ZarandiASC20 [661], Mercier-AubinGQ20 [441], ZouZ20 [676], MurinR19 [456], Laborie18a [375], CappartTSR18 [131], HookerH17 [318], OrnekO16 [488], LimBTBB15 [395], WangMD15 [637], EvenSH15a [205], HarjunkoskiMBC14 [283], NovasH14 [481], OzturkTHO13 [495], SerraNM12 [553], HeinzB12 [294], EdisO11 [192], ZibranR11a [675], KelbelH11 [345], Menana11 [436], TopalogluO11 [597], NovasH10 [479], OzturkTHO10 [494], MilanoW09 [445], Wolf09 [647], Simonis07 [566], GarganiR07 [228]... (Total: 44)	abs-2402-00459 [473], ForbesHJST24 [218], EfthymiouY23 [195], YuraszeckMCCR23 [658], AbreuPNF23 [3], abs-2312-13682 [504], GurPAE23 [273], CzerniachowskaWZ23 [160], MontemanniD23 [451], IsikYA23 [325], Fatemi-AnarakiTFV23 [213], GokPTGO23 [275], PerezGSL23 [503], AbreuNP23 [169], ArmstrongGOS22 [27], ZhangBB22 [665], BoudreaultSLQ22 [118], GeitzGSSW22 [240], OujanaAYB22 [493], LiFJZLL22 [391], Lemos21 [385], VlkHT21 [630], Bedhief21 [74], HamPK21 [279], QinWSLS21 [518], Groleaz21 [264], Godet21a [248], Astrand21 [35], abs-2102-08778 [156]... (Total: 113)
CPSystems	OR-Tools	abs-2402-00459 [473], LacknerMMWW23 [378], ColT22 [161], MullerMKP22 [455], abs-2211-14492 [573], KoehlerBFFHPSSS21 [352], Groleaz21 [264], abs-2102-08778 [156], KovacsTKSG21 [365], LacknerMMWW21 [377], FallahiAC20 [210], ColT19 [157], GayHS15 [232]	EfthymiouY23 [195], BoudreaultSLQ22 [118], Godet21a [248], GeibingerKKMMW21 [236], BarzegaranZP20 [61], ThomasKS20 [593], LiuCGM17 [400], Dejemeppe16 [173]	Bit-Monnot23 [96], KimCMLLP23 [349], MontemanniD23 [451], AkramNHRSA23 [13], MontemanniD23a [450], EtminaniefahaniGNMS22 [203], Teppan22 [586], KlankeBYE21 [350], MengZRZL20 [439], GroleazNS20 [266], GalleguillosKSB19 [227], BehrensLM19 [76], abs-1901-07914 [77], YangSS19 [651], PourDERB18 [512], BonfiettiZLM16 [113], AmadiniGM16 [17], ZhouGL15 [671], LombardiMB13 [411], LombardiM12 [409]
CPSystems	OZ	Layfield02 [384]	MaraveliasG04 [430], BeldiceanuC94 [78]	Froger16 [224], KorbaaYG99 [355]
CPSystems	SCIP	Caballero19 [127], KuB16 [369], SchnellH15 [540], HeinzSB13 [298], HeinzB12 [294], MilanoW09 [445]	HookerH17 [318], BofilICSV17 [103], TranAB16 [601], BofilIEGPSV14 [104], SchuttFS13a [543], HeinzKB13 [295], CireCH13 [150]	GuoZ23 [272], NaderiRR23 [464], Groleaz21 [264], WikarekS19 [641], SzerediS16 [577], HarjunkoskiMBC14 [283], KelarevaTK13 [344], HeinzS11 [297], Schutt11 [541], BertholdHLM510 [92]

Table 15: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	SICStus	ArmstrongGOS21 [26], LetortCB15 [389], Letort13 [386], LetortCB13 [388], LetortBC12 [387]	MossigeGSMC17 [452], Kameugne14 [337], Schutt11 [541], Malapert11 [424], SchuttFSW11 [547], QuSN06 [520]	PopovicCGNC22 [511], ArmstrongGOS22 [27], YangSS19 [651], German18 [242], Madi-WambaLOBM17 [422], JelinekB16 [329], Clercq12 [170], BeldiceanuCDP11 [80], TrojetHL11 [609], BartakCS10 [56], Wolf09 [647], SchuttFSW09 [545], BeldiceanuCP08 [81], Geske05 [243], Bartak02 [54], BeldiceanuC02 [79], Simonis99 [565]
CPSystems	Z3	KoehlerBFFHPSSS21 [352], GokGSTO20 [251], YounespourAKE19 [652], Menana11 [436], SureshMOK06 [575]	NaderiRR23 [464], VlKHT21 [630], ArkipovBL19 [25], WikarekS19 [641], German18 [242], Baptiste02 [44], Zhou97 [670]	Groleaz21 [264], Caballero19 [127], ZhangW18 [667], BofillCSV17 [103], BertholdHLMs10 [92], Rodriguez07 [527], Wallace06 [633], Layfield02 [384], Zhou96 [669]

7.6 Concept Type ApplicationAreas

Table 16: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	COVID	GuoZ23 [272]	GeibingerKKMMW21 [236]	BonninMNE24 [114], Mehdizadeh-Somarin23 [434], JuvinHL23a [335], Fatemi-AnarakiTFV23 [213], GurPAE23 [273], OujanaAYB22 [493], Lemos21 [385]
ApplicationAreas	HVAC	LimHTB16 [394], LimBTBB15 [395], GrimesIOS14 [263]		
ApplicationAreas	agriculture			AkramNHRSA23 [13], BenderWS21 [84], Astrand0F21 [36], HamPK21 [279], Astrand21 [35], QinWLSL21 [518], MejiaY20 [435]
ApplicationAreas	aircraft	GokPTGO23 [275], PohlAK22 [509], OrnekOS20 [489], WangB20 [635], GokGSTO20 [251], TranDRFWOV16 [603], Fahimi16 [206], BajestaniB13 [42], LombardiM12 [409], BajestaniB11 [41], ArtiouchineB05 [34], FrankK05 [221], Simonis99 [565]	WangB23 [636], GombolayWS18 [256], Ham18 [277], Simonis07 [566], SakkoutW00 [536], Simonis95a [563]	PrataAN23 [516], PovedaAA23 [513], Adelgren2023 [7], ElciOH22 [196], EtminaniesfahaniGNMS22 [203], ZarandiASC20 [661], HauderBRPA20 [287], abs-1902-09244 [286], Hooker19 [316], LaborieRSV18 [376], HookerH17 [318], TranAB16 [601], Lombardi10 [402], Laborie09 [374], KovacsB08 [359], KrogLPHJ07 [615], MartinPY01 [431], SimonisCK00 [567], GruianK98 [267], Darby-DowmanLMZ97 [164], Wallace96 [632], Simonis95 [564], SimonisC95 [568]
ApplicationAreas	automotive		GuoZ23 [272], YuraszeckMPV22 [657], EmdeZD22 [200], Groleaz21 [264], LimtanyakulS12 [397], SunLYL10 [574], Lombardi10 [402], BarlattCG08 [52], SchildW00 [539]	PovedaAA23 [513], CzerniachowskaWZ23 [160], NaderiRR23 [464], NaderiBZ22 [461], NaderiBZ22a [460], AntuoriHHEN21 [22], HubnerGSV21 [322], VlkHT21 [630], AbreuAPNM21 [167], KoehlerBFFHPSSS21 [352], BarzegaranZP20 [61], abs-1911-04766 [237], GeibingerMM19 [238], BonfiettiZLM16 [113], Siala15 [558], Siala15a [559], SchnellH15 [540], AlesioNBG14 [182], HarjunkoskiMBC14 [283], BeniniBGM06 [88], KovacsV06 [364], Wallace96 [632]
ApplicationAreas	cable tree	KoehlerBFFHPSSS21 [352]		
ApplicationAreas	car manufacturing		AntuoriHHEN21 [22]	BeldiceanuC94 [78]
ApplicationAreas	container terminal	QinDCS20 [519], SacramentoSP20 [533]	LaborieRSV18 [376]	abs-2312-13682 [504], PerezGSL23 [503], TouatBT22 [599], CauwelaertDS20 [143], WallaceY20 [634], ZarandiASC20 [661], FallahiAC20 [210], Hooker19 [316], CauwelaertDMS16 [141], Dejemeppe16 [173], DejemeppeCS15 [174], NovasH12 [480], CorreaLR07 [159], LimRX04 [393]
ApplicationAreas	crew-scheduling	ZarandiASC20 [661], PourDERB18 [512]	BourreauGGLT22 [119], Zahout21 [659], GombolayWS18 [256], Mason01 [433], Touraivane95 [600]	NaderiRR23 [464], WangB23 [636], Adelgren2023 [7], NaderiBZ22a [460], NaderiBZ22 [461], ElciOH22 [196], EtminaniesfahaniGNMS22 [203], HeinzNVH22 [299], Lemos21 [385], MokhtarzadehTNF20 [447], TangLWSK18 [581], HookerH17 [318], DoulabiRP16 [191], LipovetzkyBPS14 [398], HachemiGR11 [276], MilanoW09 [445], WuBB09 [650], MilanoW06 [444], BeldiceanuC02 [79], JainG01 [327], SimonisCK00 [567]
ApplicationAreas	dairies			Bartak02 [54], Bartak02a [53]
ApplicationAreas	dairy	EscobetPQPRA19 [202]	PrataAN23 [516], HarjunkoskiMBC14 [283]	Groleaz21 [264]
ApplicationAreas	datacenter	HermenierDL11 [304]		Zahout21 [659], GalleguillosKSB19 [227], Madi-WambaLOBM17 [422], Letort13 [386], IfrimOS12 [324], LetortBC12 [387]
ApplicationAreas	datacentre		HurleyOS16 [323]	
ApplicationAreas	day-ahead market			
ApplicationAreas	deep space			HebrardALLCMR22 [289]

Table 16: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	drone	MontemanniD23a [450], MontemanniD23 [451], Ham18 [277]		Adelgren2023 [7], ShaikhK23 [554], GuoZ23 [272], JuvinHL23a [335], EmdeZD22 [200], Astrand21 [35], Astrand0F21 [36], AntuoriHHEN21 [22], ZarandiASC20 [661], Ham18a [278]
ApplicationAreas	earth observation	SquillaciPR23 [571], KucukY19 [372], VerfaillieL01 [618]	BensanaLV99 [91]	HebrardHJMPV16 [290], PraletLJ15 [515], SimoninAHL15 [562], KelarevaTK13 [344], OddiPCC03 [486]
ApplicationAreas	earth orbit			SquillaciPR23 [571]
ApplicationAreas	electroplating		RodosekW98 [525]	Fatemi-AnarakiTFV23 [213], EfthymiouY23 [195], WallaceY20 [634], NovasH12 [480]
ApplicationAreas	emergency service		EvenSH15a [205], TopalogluO11 [597]	ForbesHJST24 [218], EvenSH15 [204], SakkoutW00 [536]
ApplicationAreas	energy-price	GrimesIOS14 [263], IfrimOS12 [324]	HurleyOS16 [323], Froger16 [224]	PrataAN23 [516], EscobetPQPRA19 [202], He0GLW18 [288], BenediktSMVH18 [87], LimHTB16 [394]
ApplicationAreas	farming			WinterMMW22 [642], Astrand0F21 [36]
ApplicationAreas	forestry	HachemiGR11 [276]		Astrand0F21 [36]
ApplicationAreas	hoist	EfthymiouY23 [195], WallaceY20 [634], RodosekW98 [525]	Fatemi-AnarakiTFV23 [213], NovasH12 [480], BonfiettiLBM11 [107]	AstrandJZ18 [37], BonfiettiLBM14 [109], BonfiettiM12 [112], BonfiettiLBM12 [108], LombardiBMB11 [404], Wallace06 [633], BeckR03 [70], Baptiste02 [44], KorbaaYG99 [355], PapaB98 [499]
ApplicationAreas	medical	ShinBBHO18 [557], Dejemeppe16 [173], WangMD15 [637], Wolf11 [645], TopalogluO11 [597]	GuoZ23 [272], ZarandiASC20 [661], HechingH16 [292], DejemeppeD14 [175], RendlPHPR12 [523]	ShaikhK23 [554], AbreuPNF23 [3], IsikYA23 [325], AbreuNP23 [169], AkramNHRSA23 [13], YunusogluY22 [655], FarsiTM22 [212], AbreuN22 [168], GeibingerKKMMW21 [236], Bedhief21 [74], Lemos21 [385], AbreuAPNM21 [167], ThomasKS20 [593], FallahiAC20 [210], FrimodigS19 [223], abs-1902-01193 [14], Novas19 [478], GurEA19 [679], YounespourAKE19 [652], CappartTSR18 [131], HoYCLLC18 [307], TanT18 [579], GedikKEK18 [235], TranVNB17a [607], RoshanaeiLAU17 [529], TranVNB17 [606], DoulabiRP16 [191], BridiBLMB16 [121], BoothNB16 [115]... (Total: 36)
ApplicationAreas	nurse	GurPAE23 [273], FarsiTM22 [212], ZarandiASC20 [661], abs-1902-01193 [14], ShinBBHO18 [557], HoYCLLC18 [307], LuoVLBM16 [419], WangMD15 [637], RendlPHPR12 [523], Menana11 [436], Wolf11 [645], Simonis07 [566], Mason01 [433]	OuelletQ22 [492], GeibingerKKMMW21 [236], GeibingerMM21 [239], YounespourAKE19 [652], FrohnerTR19 [225], RoshanaeiLAU17 [529]	abs-2312-13682 [504], PerezGSL23 [503], NaderiBZ22a [460], NaderiBZ22 [461], BourreauGGLT22 [119], FallahiAC20 [210], RoshanaeiBAUB20 [528], FrimodigS19 [223], German18 [242], GedikKEK18 [235], NishikawaSTT18a [475], MusliuSS18 [459], HookerH17 [318], Dejemeppe16 [173], DoulabiRP16 [191], DoulabiRP14 [190], TopalogluO11 [597], Simonis99 [565]
ApplicationAreas	offshore		SubulanC22 [572], Froger16 [224]	GokPTGO23 [275], BoudreaultSLQ22 [118], BlomPS16 [100], BlomBPS14 [99], Jans09 [328]
ApplicationAreas	operating room	NaderiRR23 [464], GurPAE23 [273], FarsiTM22 [212], NaderiBZ22 [461], RoshanaeiBAUB20 [528], YounespourAKE19 [652], GurEA19 [679], RoshanaeiLAU17 [529], DoulabiRP16 [191], WangMD15 [637], DoulabiRP14 [190], Wolf11 [645]	GuoZ23 [272], NaderiBZ22a [460], ElciOH22 [196], ZarandiASC20 [661], Hooker19 [316], HookerH17 [318]	ForbesHJST24 [218], WangB23 [636], PerezGSL23 [503], abs-2312-13682 [504], JuvinHL23a [335], Adelgren2023 [7], GeibingerMM21 [239], TanT18 [579], MusliuSS18 [459], Wolf09 [647]
ApplicationAreas	oven scheduling	LacknerMMWW23 [378], LacknerMMWW21 [377]		ColT22 [161]
ApplicationAreas	patient	GurPAE23 [273], FarsiTM22 [212], RoshanaeiBAUB20 [528], ThomasKS20 [593], FrimodigS19 [223], GurEA19 [679], YounespourAKE19 [652], ShinBBHO18 [557], CappartTSR18 [131], RoshanaeiLAU17 [529], HechingH16 [292], Dejemeppe16 [173], DoulabiRP16 [191], WangMD15 [637], DejemeppeD14 [175], RendlPHPR12 [523], Wolf11 [645], TopalogluO11 [597]	GeibingerKKMMW21 [236]	BonninMNE24 [114], ForbesHJST24 [218], GuoZ23 [272], AlfieriGPS23 [15], NaderiBZ22 [461], ElciOH22 [196], AbreuAPNM21 [167], CauwelaertDS20 [143], MurinR19 [456], Hooker19 [316], HoYCLLC18 [307], TanT18 [579], GombolayWS18 [256], LouieVNB14 [416], DoulabiRP14 [190], Clercq12 [170], Malapert11 [424], Wolf09 [647], Simonis07 [566], KanetAG04 [343]
ApplicationAreas	perfect-square	BeldiceanuCDP11 [80], BeldiceanuCP08 [81], AggounB93 [9]		

Table 16: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	physician	GeibingerKKMMW21 [236], ShinBBHO18 [557]	Dejemeppe16 [173]	GurPAE23 [273], GuoZ23 [272], FarsiTM22 [212], FrimodigS19 [223], HookerH17 [318], WangMD15 [637], Wolf11 [645], TopalogluO11 [597]
ApplicationAreas	pipeline	HarjunkskiMBC14 [283], BegB13 [75], LopesCSM10 [413], Lombardi10 [402], RuggieroBBMA09 [532], MouraSCL08a [453], Malik08 [428], MouraSCL08 [454], BeniniLMR08 [89], ErtIK91 [201]	ZouZ20 [676], TangLWSK18 [581], LombardiMRB10 [412], MalikMB08 [429], BeniniBGM06 [88], WolinskiKG04 [648], BeldiceanuC94 [78]	EfthymiouY23 [195], Adelgren2023 [7], PopovicCGNC22 [511], EmdeZD22 [200], HanenKP21 [281], NishikawaSTT19 [476], NishikawaSTT18a [475], LaborieRSV18 [376], NishikawaSTT18 [474], BlomPS16 [100], Bonfietti16 [106], GilesH16 [245], GoelSHFS15 [250], SimoninAHL15 [562], BonfiettiLBM14 [109], LombardiMB13 [411], BeniniLMR11 [90], NovasH10 [479], BarlattCG08 [52], KuchcinskiW03 [370], Wolf03 [643], Simonis99 [565], GruianK98 [267], Darby-DowmanLMZ97 [164], SimonisC95 [568], Simonis95a [563], HookerH17 [318]
ApplicationAreas	radiation therapy	FrimodigS19 [223]		
ApplicationAreas	railway	SvancaraB22 [576], Lemos21 [385], PourDERB18 [512], CappartS17 [130], Acuna-AgostMFG09 [5], AronssonBK09 [29], Rodriguez07 [527], Geske05 [243], RodriguezDG02 [526], MartinPY01 [431], LammaMM97 [381]	ZarandiASC20 [661], LaborieRSV18 [376], TangLWSK18 [581], Mason01 [433], BrusoniCLMMT96 [124]	GuoZ23 [272], LuoB22 [420], Godet21a [248], BogaerdTW19 [614], Hooker19 [316], BajestaniB15 [43], ZhouGL15 [671], BajestaniB13 [42], BajestaniB11 [41], WuBB09 [650], AbriiSB05 [4], Wallace96 [632]
ApplicationAreas	real-time pricing		He0GLW18 [288], GrimesIOS14 [263]	LimHTB16 [394]
ApplicationAreas	rectangle-packing	YangSS19 [651], AggounB93 [9]	LuoB22 [420], Malapert11 [424]	MossigeGSMC17 [452], DoulabiRP16 [191], Siala15 [558], VilimLS15 [628], Siala15a [559], BeldiceanuCDP11 [80], Schutt11 [541], SchuttW10 [551], BeldiceanuCP08 [81]
ApplicationAreas	robot	Fatemi-AnarakiTFV23 [213], IsikYA23 [325], LiFJZLL22 [391], ArmstrongGOS21 [26], Astrand21 [35], KoehlerBFFHPSSS21 [352], ZarandiASC20 [661], MokhtarzadehTNF20 [447], Lunardi20 [418], WessenCS20 [640], MurinR19 [456], abs-1901-07914 [77], BehrensLM19 [76], GombolayWS18 [256], LaborieRSV18 [376], MossigeGSMC17 [452], TranVNB17 [606], TranVNB17a [607], BoothNB16 [115], LouieVNB14 [416], NovasH14 [481], NovasH12 [480], BartakSR10 [58], BidotVLB09 [94], ValleMGTO3 [612], BeckF98 [67]	PrataAN23 [516], CzerniachowskaWZ23 [160], ZhuSZW23 [673], Mehdizadeh-Somarin23 [434], TouatBT22 [599], YunusogluY22 [655], NaderiBZ22a [460], OujanaAYB22 [493], Astrand0F21 [36], WallaceY20 [634], WikarekS19 [641], NishikawaSTT19 [476], NishikawaSTT18a [475], NishikawaSTT18 [474], Dejemeppe16 [173], VanczaM01 [617], BeckF00 [68], Beck99 [62]	abs-2305-19888 [300], AbreuPNF23 [3], MontemanniD23 [451], HeinzNVH22 [299], GeitzGSSW22 [240], FarsiTM22 [212], MullerMKP22 [455], ColT22 [161], YuraszeckMPV22 [657], HamPK21 [279], ZhangYW21 [666], Godet21a [248], Bedhief21 [74], Groleaz21 [264], VlkHT21 [630], FallahiAC20 [210], MengZRZL20 [439], BenediktMH20 [86], MejiaY20 [435], AstrandJJ20 [38], BarzegaranZP20 [61], Novas19 [478], ZhangW18 [667], GokgurHO18 [252], Ham18a [278], Ham18 [277], TanT18 [579], AstrandJZ18 [37], TranWDRFOVB16 [608]... (Total: 62)
ApplicationAreas	satellite	SquillaciPR23 [571], Godet21a [248], GodetLHS20 [249], KucukY19 [372], LaborieRSV18 [376], HebrardHJMPV16 [290], PraletLJ15 [515], KelarevaTK13 [344], VerfaillieL01 [618], BensanaLV99 [91], PembertonG98 [501]	Laborie09 [374], FrankK05 [221]	EfthymiouY23 [195], TouatBT22 [599], Astrand21 [35], Astrand0F21 [36], Zahout21 [659], ZarandiASC20 [661], Hooker19 [316], TranVNB17 [606], Pralet17 [514], TranWDRFOVB16 [608], Froger16 [224], SimoninAHL15 [562], BessiereHMQW14 [93], HeinzSB13 [298], GuyonLPR12 [274], SimoninAHL12 [561], RuggieroBBMA09 [532], Rodriguez07 [527], OddiPCC03 [486], NuijtenP98 [483]
ApplicationAreas	semiconductor	ZarandiASC20 [661], MalapertN19 [427], NattaDYW19 [469], Ham18a [278], BajestaniB15 [43], NovasH12 [480]	PenzDN23 [502], QinWSLS21 [518], GokgurHO18 [252], HamC16 [280], LombardiMRB10 [412], Davenport10 [165], KrogtLPHJ07 [615], JainM99 [326]	LacknerMMWW23 [378], Fatemi-AnarakiTFV23 [213], YuraszeckMPV22 [657], abs-2211-14492 [573], MullerMKP22 [455], ColT22 [161], EmdeZD22 [200], ZhangJZL22 [664], FanXG21 [211], LacknerMMWW21 [377], HamPK21 [279], PandeyS21a [496], Astrand21 [35], TangB20 [580], MengZRZL20 [439], NattaM20 [471], Novas19 [478], LaborieRSV18 [376], Ham18 [277], GrimesH15 [261], KoschB14 [357], HarjunkskiMBC14 [283], TerekhovTDB14 [588], Malapert11 [424], Lombardi10 [402]
ApplicationAreas	ship building			
ApplicationAreas	shipping line			QinDCS20 [519], LaborieRSV18 [376], KelarevaTK13 [344]
ApplicationAreas	steel cable			AalianPG23 [1]

Table 16: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	steel mill	GaySS14 [234], Letort13 [386], HeinzSSW12 [296], SchausHMCMD11 [538], HentenryckM08 [303], GarganiR07 [228]		abs-2312-13682 [504], PerezGSL23 [503], DoulabiRP16 [191], MenciaSV13 [438], MenciaSV12 [437]
ApplicationAreas	super-computer	BorghesiBLMB18 [116], BridiBLMB16 [121], BartoliniBBLM14 [60]		LuoB22 [420], GalleguillosKSB19 [227], Dejemeppe16 [173], HurleyOS16 [323]
ApplicationAreas	surgery	GurPAE23 [273], FarsiTM22 [212], RoshanaeiBAUB20 [528], GurEA19 [679], YounespourAKE19 [652], RoshanaeiLAU17 [529], DoulabiRP16 [191], WangMD15 [637], DoulabiRP14 [190], Wolf11 [645], Wolf09 [647]	ZarandiASC20 [661], TopalogluO11 [597]	ForbesHJST24 [218], AlfieriGPS23 [15], NaderiBZ22 [461], ElciOH22 [196], Lemos21 [385], FrimodigS19 [223]
ApplicationAreas	torpedo	GoldwaserS18 [254], GoldwaserS17 [253], KletzanderM17 [351]	AntuoriHHEN20 [21]	Hooker19 [316]
ApplicationAreas	vaccine		GuoZ23 [272]	BonninMNE24 [114], JuvinHL23a [335]
ApplicationAreas	yard crane		QinDCS20 [519], Hooker19 [316]	EmdeZD22 [200], WallaceY20 [634]

7.7 Concept Type Industries

Table 17: Works for Concepts of Type Industries

Type	Keyword	High	Medium	Low
Industries	IT industry			SchnellH15 [540]
Industries	PCB industry			
Industries	aerospace industry			SchildW00 [539]
Industries	agricultural industry	WinterMMW22 [642]		
Industries	agrifood industry			Groleaz21 [264]
Industries	airline industry			GokPTGO23 [275], HachemiGR11 [276], Mason01 [433]
Industries	automobile industry			HauderBRPA20 [287], abs-1902-09244 [286], Limtanyakul07 [396]
Industries	automotive industry		GuoZ23 [272], LimtanyakulS12 [397]	CzerniachowskaWZ23 [160], EmdeZD22 [200], AntuoriHHEN21 [22], BonfiettiZLM16 [113], SchildW00 [539], Wallace96 [632]
Industries	aviation industry			
Industries	cable industry			ZhuSZW23 [673]
Industries	carpet industry			Schutt11 [541]
Industries	chemical industry		Timpe02 [595]	LaborieRSV18 [376], GilesH16 [245], HarjunkoskiMBC14 [283], LombardiM12 [409], ChenGPSH10 [147], PoderBS04 [508], Simonis99 [565], Simonis95a [563]
Industries	chemical processing industry			GilesH16 [245]
Industries	chemistry industry			ChenGPSH10 [147]
Industries	chips industry			AbreuN22 [168]
Industries	circuit boards industry			MokhtarzadehTNF20 [447]
Industries	control system industry			BonfiettiZLM16 [113]
Industries	cutting industry			RiahiNS018 [524]
Industries	dairy industry		EscobetQPRA19 [202], HarjunkoskiMBC14 [283]	Groleaz21 [264]
Industries	dismantling industry			HubnerGSV21 [322]
Industries	drawing industry			Simonis95a [563]
Industries	electricity industry	Froger16 [224]		PopovicCGNC22 [511], Godet21a [248], AntunesABD20 [20], AntunesABD18 [19]
Industries	electricity industry			
Industries	electronics industry			LacknerMMWW23 [378], LacknerMMWW21 [377]
Industries	electroplating industry			NovasH12 [480]
Industries	energy industry		Froger16 [224]	KovacsV06 [364]
Industries	fashion industry			Jans09 [328]
Industries	food industry		Groleaz21 [264]	Fatemi-AnarakiTFV23 [213], OujanaAYB22 [493], GroleazNS20 [266], GroleazNS20a [265], EscobetQPRA19 [202], HachemiGR11 [276], SimonisCK00 [567], Simonis99 [565], SimonisC95 [568], Simonis95 [564]
Industries	food-processing industry			KlankeBYE21 [350], HauderBRPA20 [287], abs-1902-09244 [286]
Industries	forest industry			HachemiGR11 [276]
Industries	forging industry			LuoB22 [420]
Industries	foundry industry			Jans09 [328]
Industries	garment industry			GuoZ23 [272]
Industries	gas industry			ZarandiASC20 [661], GoelSHFS15 [250]
Industries	glass industry			Lunardi20 [418], LunardiBLRV20 [417], abs-1902-09244 [286]
Industries	heavy industry			CorreaLR07 [159]
Industries	insulation industry			YunusogluY22 [655]
Industries	leisure industry			
Industries	lumber industry			NattafDYW19 [469]

Table 17: Works for Concepts of Type Industries

Type	Keyword	High	Medium	Low
Industries	manufacturing industry			PrataAN23 [516], CzerniachowskaWZ23 [160], LacknerMMWW23 [378], WinterMMW22 [642], YuraszcekMPV22 [657], LacknerMMWW21 [377], FanXG21 [211], TangB20 [580], Mercier-AubinGQ20 [441], EscobetPQPRA19 [202], GedikKEK18 [235]
Industries	maritime industry			Astrand21 [35], QinDCS20 [519], SacramentoSP20 [533]
Industries	metal industry			LuoB22 [420]
Industries	metalworking industry			
Industries	mineral industry			Astrand21 [35], Astrand0F21 [36], AstrandJZ20 [38], BlomBPS14 [99]
Industries	mining industry		AalianPG23 [1]	abs-2402-00459 [473], CampeauG22 [129], Astrand21 [35], Astrand0F21 [36], AstrandJZ20 [38], ThiruvadyWGS14 [592]
Industries	nuclear industry			
Industries	oil industry			AbreuNP23 [169], AbreuAPNM21 [167], HarjunkskiMBC14 [283], LopesCSM10 [413]
Industries	packaging industry			ArmstrongGOS21 [26]
Industries	painting industry			RiahiNS018 [524]
Industries	paper industry			Dejemeppe16 [173], HarjunkskiMBC14 [283]
Industries	petro-chemical industry			LaborieRSV18 [376], GilesH16 [245], HarjunkskiMBC14 [283]
Industries	pharmaceutical industry			YuraszcekMCCR23 [658], CzerniachowskaWZ23 [160], GeibingerKKMMW21 [236], HamC16 [280], NovaraNH16 [477], HarjunkskiMBC14 [283]
Industries	potash industry			Astrand21 [35], Astrand0F21 [36], AstrandJZ20 [38], AstrandJZ18 [37]
Industries	power industry	Froger16 [224]		FrostD98 [226]
Industries	printing industry	Lunardi20 [418]	LunardiBLRV20 [417]	BourreauGGTLT22 [119]
Industries	process industry		Timpe02 [595]	Nattaf16 [465], BlomPS16 [100], HarjunkskiMBC14 [283], HeinzSSW12 [296], ChenGPSH10 [147], Jans09 [328], Simonis99 [565], Wallace96 [632]
Industries	processing industry		HauderBRPA20 [287]	KlankeBYE21 [350], abs-1902-09244 [286], GilesH16 [245]
Industries	railway industry			Lemos21 [385], Geske05 [243]
Industries	repair industry			BoudreaultSLQ22 [118]
Industries	retail industry			ChapadosJR11 [146]
Industries	semiconductor industry			PenzDN23 [502], QinWSLS21 [518], NattafDYW19 [469], BajestaniB15 [43], GrimesH15 [261], NovasH12 [480], Lombardi10 [402], LombardiMRB10 [412], KrogtLPHJ07 [615], ChenGPSH10 [147]
Industries	semiprocess industry			GurEA19 [679], DoomsH08 [187]
Industries	service industry			BoudreaultSLQ22 [118]
Industries	ship repair industry			Astrand21 [35], SacramentoSP20 [533], QinDCS20 [519]
Industries	shipping industry			BartakS11 [57]
Industries	software industry			Novas19 [478]
Industries	solar cell industry			LacknerMMWW23 [378], KimCMLLP23 [349], IsikYA23 [325], OujanaAYB22 [493], LacknerMMWW21 [377], HauderBRPA20 [287], abs-1902-09244 [286], GoldwaserS18 [254], GoldwaserS17 [253], KletzanderM17 [351], HeinzSSW12 [296], SchausHMCMD11 [538], GrimesH10 [259], GarganiR07 [228]
Industries	steel industry		DavenportKRSH07 [166]	
Industries	steel making industry			
Industries	sugar industry			MartinPY01 [431]
Industries	taxi industry			Ham18 [277]
Industries	telecommunication industry			
Industries	textile industry	Mercier-AubinGQ20 [441]		ZarandiASC20 [661], BessiereHMQW14 [93]
Industries	tire industry			Jans09 [328]
Industries	tourism industry			LiuCGM17 [400]
Industries	trade industry			ParkUJR19 [500]

Table 17: Works for Concepts of Type Industries

Type	Keyword	High	Medium	Low
Industries	transportation industry			GoelSHFS15 [250]
Industries	wind industry	Froger16 [224]		

7.8 Concept Type Benchmarks

Table 18: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	CSPLib	Siala15a [559], Siala15 [558], SchausHMCMD11 [538], GarganiR07 [228]	LaborieRSV18 [376], German18 [242], CappartTSR18 [131], MossigeGSMC17 [452], NovaraNH16 [477], Letort13 [386], HeinzSSW12 [296], BandaSC11 [171]	ThomasKS20 [593], LiuLH19 [399], GelainPRVW17 [241], GaySS14 [234], RendlPHPR12 [523], HentenryckM08 [303]
Benchmarks	Roadef	Froger16 [224], Siala15 [558], Siala15a [559]	Nattaf16 [465], LetortCB15 [389], Kameugne14 [337], Letort13 [386], LetortCB13 [388], LetortBC12 [387]	CzerniachowskaWZ23 [160], HanenKP21 [281], Lemos21 [385], Polo-MejiaALB20 [510], GokGSTO20 [251], MalapertN19 [427], Tesch18 [590], OuelletQ18 [491], Tesch16 [589], Fahimi16 [206], Menana11 [436], Acuna-AgostMFG09 [5], Wallace06 [633], Elkhayari03 [197]
Benchmarks	benchmark	JuvinHL23a [335], AbreuPNF23 [3], IsikYA23 [325], TardivoDFMP23 [582], AlfieriGPS23 [15], JuvinHHL23 [332], LacknerMMWW23 [378], PovedaAA23 [513], Bit-Monnot23 [96], AfsarVPG23 [8], abs-2306-05747 [584], YuraszeckMCCR23 [658], ShaikhK23 [554], ZhuSZW23 [673], NaderiRR23 [464], TasselGS23 [583], AbreuNP23 [169], OuelletQ22 [492], ColT22 [161], MullerMKP22 [455], WinterMMW22 [642], NaderiBZ22a [460], JuvinHL22 [333], Teppan22 [586], BoudreaultSLQ22 [118], ZhangJZL22 [664], abs-2211-14492 [573], TouatBT22 [599], AbreuN22 [168]... (Total: 107)	ForbesHJST24 [218], abs-2402-00459 [473], AkramNHRSA23 [13], YuraszeckMC23 [656], MontemanniD23a [450], KameugneFND23 [340], abs-2305-19888 [300], NaderiBZ22 [461], ZhangBB22 [665], FetgoD22 [215], OujanaAYB22 [493], BourreauGGLT22 [119], HeinzNVH22 [299], AbreuAPNM21 [167], Astrand21 [35], KovacsTKSG21 [365], MengZRZL20 [439], Lunardi20 [418], MejiaY20 [435], SacramentoSP20 [533], BenediktMH20 [86], BadicaBI20 [39], AntuoriHHEN20 [21], GroleazNS20 [266], ArkhipovBL19 [25], GeibingerMM19 [238], Novas19 [478], NishikawaSTT19 [476], ArbaouiY18 [24]... (Total: 87)	PrataAN23 [516], BonninMNE24 [114], CzerniachowskaWZ23 [160], MontemanniD23 [451], GuoZ23 [272], EfthymiouY23 [195], KimCMLLP23 [349], Adelgren2023 [7], SquillaciPR23 [571], SvancaraB22 [576], JungblutK22 [331], ElciOH22 [196], PohlAK22 [509], SubulanC22 [572], YuraszeckMPV22 [657], YunusogluY22 [655], ArmstrongGOS22 [27], Astrand0F21 [36], VlKHT21 [630], HubnerGSV21 [322], Zahout21 [659], KlankeBYE21 [350], ArmstrongGOS21 [26], CauwelaertDS20 [143], AstrandJZ20 [38], LunardiBLRV20 [417], NattafM20 [471], ThomasKS20 [593], ZarandiASC20 [661]... (Total: 139)
Benchmarks	bitbucket		TardivoDFMP23 [582], Dejemeppe16 [173]	CauwelaertDS20 [143], ThomasKS20 [593], HoundjiSW19 [320], CappartTSR18 [131], CauwelaertLS18 [142], HeOGLW18 [288], CappartS17 [130], CauwelaertDMS16 [141], GayHLS15 [231], DejemeppeCS15 [174], GayHS15a [233], GayHS15 [232], HoundjiSWD14 [321], DejemeppeD14 [175]
Benchmarks	generated instance	IsikYA23 [325], LuoB22 [420], abs-1911-04766 [237]	abs-2312-13682 [504], PerezGSL23 [503], OrnekOS20 [489], Godet21a [248], GodetLHS20 [249], MejiaY20 [435], NattafALR16 [468], Dejemeppe16 [173], Madi-WambaB16 [421], KelbelH11 [345], SchausHMCMD11 [538]	abs-2402-00459 [473], abs-2305-19888 [300], EfthymiouY23 [195], Adelgren2023 [7], ColT22 [161], YunusogluY22 [655], TouatBT22 [599], BoudreaultSLQ22 [118], YuraszeckMPV22 [657], HeinzNVH22 [299], ZhangBB22 [665], abs-2211-14492 [573], HanenKP21 [281], Astrand21 [35], AbohashimaEG21 [2], abs-2102-08778 [156], AbreuAPNM21 [167], GeibingerMM21 [239], Astrand0F21 [36], MokhtarzadehTNF20 [447], AntuoriHHEN20 [21], RoshanaeiBAUB20 [528], CauwelaertDS20 [143], LunardiBLRV20 [417], BenediktMH20 [86], ThomasKS20 [593], Lunardi20 [418], YangSS19 [651], GeibingerMM19 [238]... (Total: 60)
Benchmarks	github	Lemos21 [385], Godet21a [248], KoehlerBFFHPSSS21 [352]	PovedaAA23 [513], TardivoDFMP23 [582], JungblutK22 [331], BoudreaultSLQ22 [118], HamPK21 [279], GodetLHS20 [249], BenediktMH20 [86], LunardiBLRV20 [417], Siala15a [559], Siala15 [558]	ForbesHJST24 [218], abs-2402-00459 [473], SquillaciPR23 [571], JuvinHHL23 [332], YuraszeckMCCR23 [658], Fatemi-AnarakiTFV23 [213], GuoZ23 [272], YuraszeckMC23 [656], GokPTGO23 [275], Bit-Monnot23 [96], abs-2306-05747 [584], Adelgren2023 [7], NaderiRR23 [464], TasselGS23 [583], OuelletQ22 [492], ColT22 [161], MullerMKP22 [455], LuoB22 [420], YuraszeckMPV22 [657], EmdeZD22 [200], GeitzGSSW22 [240], KovacsTKSG21 [365], GeibingerMM21 [239], VlKHT21 [630], AbohashimaEG21 [2], Polo-MejiaALB20 [510], FallahiAC20 [210], Lunardi20 [418], WangB20 [635]... (Total: 45)

Table 18: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	gitlab		HeinzNVH22 [299]	abs-2305-19888 [300], BoudreaultSLQ22 [118], AntuoriHHEN21 [22], AntuoriHHEN20 [21]
Benchmarks	industrial instance	LuoB22 [420], AntuoriHHEN20 [21]	BonfiettiZLM16 [113], BonfiettiLBM14 [109], Schutt11 [541]	TasselGS23 [583], PovedaAA23 [513], EfthymiouY23 [195], abs-2306-05747 [584], OujanaAYB22 [493], GroleazNS20 [266], Mercier-AubinGQ20 [441], NattafM20 [471], Hooker19 [316], MalapertN19 [427], BofilIGSV15 [105], BofilLEGPSV14 [104], BonfiettiM12 [112], LombardiBMB11 [404], BonfiettiLBM11 [107]
Benchmarks	industrial partner	BoudreaultSLQ22 [118], Lunardi20 [418], Dejemeppe16 [173]	LacknerMMWW23 [378], ArmstrongGOS21 [26]	WinterMMW22 [642], VlkHT21 [630], LacknerMMWW21 [377], GroleazNS20a [265], AntunesABD20 [20], Mercier-AubinGQ20 [441], abs-1911-04766 [237], GeibingerMM19 [238], AntunesABD18 [19], MossigeGSMC17 [452], HebrardHJMPV16 [290], Froger16 [224], LipovetzkyBPS14 [398], LimtanyakulS12 [397], Malapert11 [424], KovacsV06 [364], KovacsV04 [363]
Benchmarks	industry partner	BurtLPS15 [125], LipovetzkyBPS14 [398]	BlomBPS14 [99]	LuoB22 [420], WinterMMW22 [642], ArmstrongGOS21 [26], HauderBRPA20 [287], abs-1902-09244 [286], AntunesABD18 [19], BlomPS16 [100]
Benchmarks	instance generator	LacknerMMWW23 [378], LacknerMMWW21 [377]	GoldwasserS18 [254], Froger16 [224]	abs-2402-00459 [473], ArmstrongGOS21 [26], Lunardi20 [418], abs-1911-04766 [237], Caballero19 [127], GombolayWS18 [256], YoungFS17 [653], GoldwasserS17 [253], Dejemeppe16 [173], GuyonLPR12 [274], Schutt11 [541], BeniniLMR11 [90], Lombardi10 [402], abs-1009-0347 [546], RuggieroBBMA09 [532], LombardiM09 [405], HeipckeCCS00 [301]
Benchmarks	random instance	LacknerMMWW21 [377], WallaceY20 [634], Dejemeppe16 [173]	WangB23 [636], LacknerMMWW23 [378], EfthymiouY23 [195], LetortCB15 [389], KelbelH11 [345]	Mehdizadeh-Somarin23 [434], Fatemi-AnarakiTFV23 [213], OuelletQ22 [492], EmdeZD22 [200], ElciOH22 [196], abs-2211-14492 [573], MullerMKP22 [455], KlankeBYE21 [350], VlkHT21 [630], Godet21a [248], HanenKP21 [281], AntuoriHHEN20 [21], BenediktMH20 [86], Lunardi20 [418], LunardiBLRV20 [417], HoundjiSW19 [320], BenediktSMVH18 [87], FahimiOQ18 [207], Hooker17 [315], MossigeGSMC17 [452], CappartS17 [130], Fahimi16 [206], Madi-WambaB16 [421], Siala15 [558], Siala15a [559], KameugneFSN14 [342], DerrienP14 [180], DerrienPZ14 [181], LetortCB13 [388]... (Total: 41)
Benchmarks	real-life	GurPAE23 [273], SubulanC22 [572], WinterMMW22 [642], Astrand21 [35], HubnerGSV21 [322], QinDCS20 [519], GurEA19 [679], WangMD15 [637], BartakSR10 [58], BartakCS10 [56], ChenGPSH10 [147], Baptiste02 [44], Bartak02a [53], MartinPY01 [431]	AfsarVPG23 [8], LacknerMMWW23 [378], OujanaAYB22 [493], Lemos21 [385], Astrand0F21 [36], LacknerMMWW21 [377], KlankeBYE21 [350], Lunardi20 [418], FallahiAC20 [210], abs-1911-04766 [237], PourDERB18 [512], MusliuSS18 [459], AmadiniGM16 [17], Froger16 [224], BartakV15 [59], GaySS14 [234], LimtanyakulS12 [397], MenciaSV12 [437], LombardiMRB10 [412], RuggieroBBMA09 [532], Tsang03 [610], JainM99 [326], NuijtenP98 [483], SimonisC95 [568], DincbasSH90 [185]	BonninMNE24 [114], ForbesHJST24 [218], PrataAN23 [516], AbreuPNF23 [3], IsikYA23 [325], EfthymiouY23 [195], Adelgren2023 [7], PovedaAA23 [513], CampeauG22 [129], LuoB22 [420], YuraszeckMPV22 [657], GeitzGSSW22 [240], ColT22 [161], NaderiBZ22 [461], Teppan22 [586], BoudreaultSLQ22 [118], YunusogluY22 [655], ElciOH22 [196], Godet21a [248], Bedhief21 [74], abs-2102-08778 [156], GeibingerMM21 [239], Groleaz21 [264], CauwelaertDS20 [143], GodetLHS20 [249], SacramentoSP20 [533], AstrandJZ20 [38], WallaceY20 [634], ZarandiASC20 [661]... (Total: 96)

Table 18: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	real-world	GokPTGO23 [275], abs-2305-19888 [300], HeinzNVH22 [299], YunusogluY22 [655], ColT22 [161], Lemos21 [385], Astrand21 [35], GeibingerMM21 [239], KoehlerBFFHPSSS21 [352], HauderBRPA20 [287], Lunardi20 [418], MokhtarzadehTNF20 [447], abs-1911-04766 [237], GeibingerMM19 [238], abs-1902-09244 [286], FrohnerTR19 [225], GombolayWS18 [256], Dejemeppe16 [173], MelgarejoLS15 [11], EvenSH15 [204], EvenSH15a [205], RendlPHPR12 [523], Lombardi10 [402], MouraSCL08a [453], Beck99 [62]	PrataAN23 [516], TasselGS23 [583], IsikYA23 [325], abs-2306-05747 [584], Fatemi-AnarakiTFV23 [213], AbreuNP23 [169], AalianPG23 [1], AbreuPNF23 [3], WangB23 [636], YuraszeckMCCR23 [658], OujanaAYB22 [493], LuoB22 [420], SvancaraB22 [576], MullerMKP22 [455], ArmstrongGOS21 [26], ZarandiASC20 [661], WallaceY20 [634], AntunesABD20 [20], RoshanaeiBAUB20 [528], WessenCS20 [640], TangB20 [580], AstrandJZ20 [38], ParkUJR19 [500], YounespourAKE19 [652], FrimodigS19 [223], LaborieRSV18 [376], PourDERB18 [512], ShinBBHO18 [557], RiahiNS018 [524]... (Total: 48)	abs-2402-00459 [473], abs-2312-13682 [504], KimCMLLP23 [349], JuvinHL23 [334], ZhuSZW23 [673], PerezGSL23 [503], GuoZ23 [272], ShaikhK23 [554], PovedaAA23 [513], AfsarVPG23 [8], Bit-Monnot23 [96], TardivoDFMP23 [582], CzerniachowskaWZ23 [160], GeitzGSSW22 [240], SubulanC22 [572], OrnekOS20 [489], BourreauGGLT22 [119], EtminaniefahaniGNMS22 [203], CampeauG22 [129], JungblutK22 [331], AbreuN22 [168], ArmstrongGOS22 [27], FetgoD22 [215], PohlAK22 [509], BoudreaultSLQ22 [118], GeibingerKKMMW21 [236], AbohashimaEG21 [2], KovacsTKSG21 [365], abs-2102-08778 [156]... (Total: 125)
Benchmarks	supplementary material	GuoZ23 [272], FarsiTM22 [212], MejiaY20 [435], Lunardi20 [418]	AfsarVPG23 [8], MontemanniD23 [451], SchuttFSW13 [548]	abs-2306-05747 [584], JuvinHHL23 [332], TasselGS23 [583], Adelgren2023 [7], WinterMMW22 [642], ColT22 [161], BoudreaultSLQ22 [118], YunusogluY22 [655], KovacsTKSG21 [365], AntuoriHHEN21 [22], ArmstrongGOS21 [26], LacknerMMWW21 [377], MengZRZL20 [439], HauderBRPA20 [287], SchnellH15 [540], MenciaSV13 [438]
Benchmarks	zenodo	LacknerMMWW23 [378], SacramentoSP20 [533]		KimCMLLP23 [349], WinterMMW22 [642], ArmstrongGOS21 [26]

7.9 Concept Type Algorithms

Table 19: Works for Concepts of Type Algorithms

Type	Keyword	High	Medium	Low
Algorithms	GRASP	Lemos21 [385]	YuraszeckMCCR23 [658], PovedaAA23 [513], YunusogluY22 [655], RiahiNS018 [524]	LacknerMMWW23 [378], AkramNHSA23 [13], IsikYA23 [325], SquillaciPR23 [571], ArmstrongGOS22 [27], LacknerMMWW21 [377], Zahout21 [659], VlkHT21 [630], AntuoriHHEN21 [22], GokGSTO20 [251], QinDCS20 [519], MejiaY20 [435], GroleazNS20a [265], Caballero19 [127], KreterSSZ18 [368], ZhouGL15 [671], Siala15 [558], Siala15a [559], SchnellH15 [540], SerraNM12 [553], HeinzB12 [294], Rodriguez07 [527], JainM99 [326]
Algorithms	IGT	ArmstrongGOS22 [27]		
Algorithms	NEH	AlferiGPS23 [15], ArmstrongGOS22 [27], Astrand21 [35], RiahiNS018 [524]		AbreuPNF23 [3], IsikYA23 [325], ZhouGL15 [671]
Algorithms	bi-partite matching			Caballero19 [127], HookerH17 [318], Simonis07 [566], Kumar03 [371], Simonis99 [565]
Algorithms	edge-finder	KameugneFND23 [340], FetgoD22 [215], GingrasQ16 [246], KameugneFSN14 [342], Lombardi10 [402], MercierH08 [440], BaptisteP00 [49]	OuelletQ13 [490], KelbelH11 [345], PapaB98 [499]	BaptisteB18 [46], BonfiettiZLM16 [113], Kameugne14 [337], GuSS13 [268], Schutt11 [541], SchuttFSW11 [547], HeckmanB11 [293], BidotVLB09 [94], MilanoW09 [445], SchuttFSW09 [545], BeckW07 [73], MilanoW06 [444], BeckW05 [72], BeckR03 [70], ValleMGT03 [612], SakkoutW00 [536], JainM99 [326], Zhou97 [670], BaptisteP97 [48]
Algorithms	edge-finding	KameugneFND23 [340], JuvinHHL23 [332], TardivoDFMP23 [582], OuelletQ22 [492], FetgoD22 [215], CauwelaertDS20 [143], YangSS19 [651], Caballero19 [127], GokgurHO18 [252], FahimiOQ18 [207], BaptisteB18 [46], KreterSS17 [367], HookerH17 [318], Fahimi16 [206], Nattaf16 [465], Dejemeppe16 [173], Derrien15 [179], GayHS15a [233], Kameugne15 [338], GrimesH15 [261], KameugneFSN14 [342], Kameugne14 [337], Letort13 [386], OuelletQ13 [490], SchuttFS13a [543], Clercq12 [170], Malapert11 [424], KameugneFSN11 [341], Vilim11 [625]... (Total: 50)	BoudreaultSLQ22 [118], LaborieRSV18 [376], Tesch18 [590], GingrasQ16 [246], CauwelaertDMS16 [141], LetortCB15 [389], DejemeppeCS15 [174], Siala15a [559], Siala15 [558], MenciaSV13 [438], LetortCB13 [388], LetortBC12 [387], LombardiM12 [409], Lombardi10 [402], BartakSR10 [58], LiessM08 [392], HoeveGSL07 [616], MonetteDD07 [448], Vilim04 [621], Bartak02 [54], SchildW00 [539], Zhou97 [670]	BonninMNE24 [114], CampeauG22 [129], Groleaz21 [264], Astrand21 [35], Godet21a [248], WallaceY20 [634], OuelletQ18 [491], GombolayWS18 [256], CauwelaertLS18 [142], NattafAL17 [467], Tesch16 [589], OrnekO16 [488], SialaAH15 [560], GayHLS15 [231], DerrienP14 [180], GuSS13 [268], HeinzSB13 [298], OzturkTHO13 [495], ChuGNSW13 [148], MenciaSV12 [437], LimtanyakulS12 [397], MalapertCGJLR12 [425], OzturkTHO12 [677], HeckmanB11 [293], KovacsB11 [360], SimonisH11 [569], BeldiceanuCDP11 [80], KelbelH11 [345], GrimesH11 [260]... (Total: 60)
Algorithms	energetic reasoning	TardivoDFMP23 [582], OuelletQ22 [492], FetgoD22 [215], HanenKP21 [281], OuelletQ18 [491], Tesch18 [590], CauwelaertLS18 [142], NattafAL17 [467], NattafALR16 [468], Fahimi16 [206], Tesch16 [589], GayHS15a [233], NattafAL15 [466], DerrienP14 [180], SchuttFS13a [543], LimtanyakulS12 [397], HeinzS11 [297], Vilim11 [625], Lombardi10 [402], Laborie03 [373], Baptiste02 [44]	KameugneFND23 [340], NattafHKAL19 [470], KameugneFGOQ18 [339], Nattaf16 [465], Kameugne14 [337], Letort13 [386], SchuttFS13 [544], Schutt11 [541]	IsikYA23 [325], BoudreaultSLQ22 [118], ArmstrongGOS21 [26], Caballero19 [127], YangSS19 [651], GokgurHO18 [252], Laborie18a [375], BoffillCSV17 [103], HookerH17 [318], GingrasQ16 [246], LetortCB15 [389], Derrien15 [179], KameugneFSN14 [342], LetortCB13 [388], OuelletQ13 [490], MenciaSV13 [438], Clercq12 [170], LombardiM12 [409], MenciaSV12 [437], GuyonLPR12 [274], LahimerLH11 [379], Malapert11 [424], ClercqPB11 [152], BeldiceanuCDP11 [80], ChenGPSH10 [147], abs-0907-0939 [506], Vilim09 [623], Vilim09a [624], Limtanyakul07 [396]... (Total: 35)
Algorithms	max-flow		LopesCSM10 [413], MouraSCL08 [454], Muscettola02 [458]	FanXG21 [211], ZarandiASC20 [661], HoundjiSW19 [320], Fahimi16 [206], Froger16 [224], Kumar03 [371]

Table 19: Works for Concepts of Type Algorithms

Type	Keyword	High	Medium	Low
Algorithms	not-first	KameugneFND23 [340], FahimiOQ18 [207], KameugneFGOQ18 [339], Fahimi16 [206], Dejemeppe16 [173], GayHS15a [233], Kameugne14 [337], Clercq12 [170], Schutt11 [541], Malapert11 [424], SchuttFSW11 [547], VilimBC05 [627], ArtiouchineB05 [34], Demassey03 [176], Baptiste02 [44], Beck99 [62]	TardivoDFMP23 [582], FetgoD22 [215], GokgurHO18 [252], OuelletQ18 [491], HookerH17 [318], DejemeppeCS15 [174], Kameugne15 [338], KameugneFSN14 [342], Letort13 [386], OuelletQ13 [490], Lombardi10 [402], SchuttW10 [551], BartakSR10 [58], MonetteDD07 [448], VilimBC04 [626], Wolf03 [643], BeckF00 [68], TorresL00 [598]	JuvinHHL23 [332], BoudreaultSLQ22 [118], OuelletQ22 [492], Astrand21 [35], Groleaz21 [264], CauwelaertDS20 [143], CauwelaertLS18 [142], Tesch16 [589], CauwelaertDMS16 [141], GrimesH15 [261], ChuGNSW13 [148], MalapertCGJLR12 [425], LintanyakulS12 [397], KameugneFSN11 [341], Vilim09 [623], Wolf09 [647], Wolf05 [644], Laborie03 [373], SourdN00 [570]
Algorithms	not-last	KameugneFND23 [340], TardivoDFMP23 [582], KameugneFGOQ18 [339], FahimiOQ18 [207], OuelletQ18 [491], Fahimi16 [206], Dejemeppe16 [173], GayHS15a [233], Kameugne14 [337], Clercq12 [170], Malapert11 [424], Schutt11 [541], SchuttW10 [551], ArtiouchineB05 [34], SchuttWS05 [552], Vilim05 [622], VilimBC05 [627], Vilim04 [621], Wolf03 [643], Demassey03 [176], Baptiste02 [44], Beck99 [62]	FetgoD22 [215], CauwelaertDS20 [143], GokgurHO18 [252], Tesch18 [590], Kameugne15 [338], DejemeppeCS15 [174], KameugneFSN14 [342], SchuttFS13a [543], OuelletQ13 [490], Letort13 [386], SchuttFSW11 [547], Vilim11 [625], KameugneFSN11 [341], Lombardi10 [402], BartakSR10 [58], MonetteDD07 [448], Wolf05 [644], VilimBC04 [626], TorresL00 [598], BeckF00 [68]	JuvinHHL23 [332], BoudreaultSLQ22 [118], GeitzGSSW22 [240], OuelletQ22 [492], Astrand21 [35], Groleaz21 [264], GodetLHS20 [249], YangSS19 [651], CauwelaertLS18 [142], HookerH17 [318], CauwelaertDMS16 [141], Tesch16 [589], GrimesH15 [261], ChuGNSW13 [148], LintanyakulS12 [397], MalapertCGJLR12 [425], ChenGPSH10 [147], Wolf09 [647], MonetteDH09 [449], Vilim09a [624], GrimesHM09 [262], Vilim09 [623], BocewiczBB09 [101], WolfS05 [646], Laborie03 [373], Vilim03 [620]
Algorithms	sweep	Tesch18 [590], BonfiettiZLM16 [113], NattafALR16 [468], Tesch16 [589], LetortCB15 [389], Derrien15 [179], SimoninAHL15 [562], NattafAL15 [466], GayHS15 [232], DerrienPZ14 [181], Letort13 [386], LetortCB13 [388], Clercq12 [170], LetortBC12 [387], SimoninAHL12 [561], ClercqPBJ11 [152], Malapert11 [424], abs-0907-0939 [506], BeldiceanuP07 [82], Wolf05 [644], Wolf03 [643], BeldiceanuC02 [79]	ArkipovBL19 [25], FahimiOQ18 [207], GoldwaserS18 [254], GayHS15a [233], Schutt11 [541], AronssonBK09 [29], PoderB08 [507], WolfS05 [646]	BonninMNE24 [114], KameugneFND23 [340], TardivoDFMP23 [582], HebrardALLCMR22 [289], GeitzGSSW22 [240], OuelletQ22 [492], FetgoD22 [215], Godet21a [248], FallahiAC20 [210], HoundjiSW19 [320], KameugneFGOQ18 [339], CauwelaertLS18 [142], Madi-WambaLOBM17 [422], Fahimi16 [206], Nattaf16 [465], GingrasQ16 [246], Dejemeppe16 [173], BartakV15 [59], EvenSH15 [204], EvenSH15a [205], DerrienP14 [180], BonfiettiLBM14 [109], GaySS14 [234], OuelletQ13 [490], SimonisH11 [569], BeldiceanuCDP11 [80], Vilim11 [625], Lombardi10 [402], LombardiM10a [406]... (Total: 37)
Algorithms	time-tabling	ShaikhK23 [554], TardivoDFMP23 [582], OuelletQ22 [492], OrnekOS20 [489], Lemos21 [385], DemirovicS18 [178], FahimiOQ18 [207], Fahimi16 [206], GayHS15a [233], Kameugne14 [337], OuelletQ13 [490], Letort13 [386], GuyonLPR12 [274], HeinzS11 [297], Menana11 [436], KanetAG04 [343], Laborie03 [373], ElkhyariGJ02a [199], Wallace96 [632]	Astrand21 [35], Godet21a [248], WallaceY20 [634], ZarandiASC20 [661], abs-1902-01193 [14], OuelletQ18 [491], CauwelaertLS18 [142], Tesch18 [590], HookerH17 [318], Siala15a [559], Derrien15 [179], GayHS15 [232], Siala15 [558], BofilIGSV15 [105], Vilim11 [625], Elkhyari03 [197], Demassey03 [176], Bartak02 [54]	BonninMNE24 [114], PrataAN23 [516], KameugneFND23 [340], AbreuNP23 [169], Fatemi-AnarakiTFV23 [213], LacknerMMWW23 [378], TouatBT22 [599], FarsiTM22 [212], FetgoD22 [215], SvancaraB22 [576], GeibingerMM21 [239], MokhtarzadehTNF20 [447], GodetLHS20 [249], LiuLH19 [399], KucukY19 [372], Caballero19 [127], Hooker19 [316], abs-1911-04766 [237], GeibingerMM19 [238], ArkipovBL19 [25], KameugneFGOQ18 [339], AstrandJZ18 [37], BaptisteB18 [46], GoldwaserS18 [254], CohenHB17 [155], YoungFS17 [653], LuoVLBM16 [419], ZarandiKS16 [660], Tesch16 [589]... (Total: 65)

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Applications of Declarative Programming and Knowledge Management, INAP 2005, Fukuoka, Japan, October 22-24, 2005, Revised Selected Papers, volume 4369 of *Lecture Notes in Computer Science*, pages 88–101. Springer, 2005. doi:10.1007/11963578_8.

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A Papers and Articles Missing a Local Copy

This section lists all papers and articles for which we were not able to locate an electronic copy that we could download to our system. This might be because the work is behind a paywall for which we do not have access, or since the paper only exists in hardcopy, for works from the start of the period covered. As in either case we are not able to extract useful information from the work, either automatically, or manually, without the actual text itself, these gaps should be closed where possible.

Table 20: PAPER without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
FriedrichFMRSSST	FriedrichFMRSSST	G. Friedrich, M. Frühstück, V. Mer- sheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	2014	GOR 2014	[222]
VillaverdeP04	VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	2004	ISCA 2004	[629]
DorndorfPH99	DorndorfPH99	U. Dorndorf, E. Pesch, Toàn Phan Huy	Recent Developments in Scheduling	1999	Operations Research Proceedings 1999	[189]
BoucherBVBL97	BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem	1997	PACT 1997	[117]
PapeB97	PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	1997	PACT 1997	[498]
JourdanFRD94	JourdanFRD94	J. Jourdan, F. Fages, D. Rozzonelli, A. Demeure	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Con- straint Model-based Programming	1994	ILPS 1994	[330]
Wallace94	Wallace94	M. Wallace	Applying Constraints for Scheduling	1994	Constraint Program- ming 1994	[631]
FoxAS82	FoxAS82	Mark S. Fox, Bradley P. Allen, G. Strohm	Job-Shop Scheduling: An Investigation in Constraint-Directed Reasoning	1982	AAAI 1982	[220]

Table 21: ARTICLE without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
FahimiQ23	FahimiQ23	H. Fahimi, C. Quimper	Overload-Checking and Edge-Finding for Robust Cumulative Scheduling	2023	INFORMS Journal on Computing	[208]
GhasemiMH23	GhasemiMH23	S. Ghasemi, R. Tavakkoli-Moghaddam, M. Hamid	Operating room scheduling by emphasising human factors and dynamic decision- making styles: a constraint programming method	2023	International Journal of Systems Science: Oper- ations Logistics	[244]
NouriMHD23	NouriMHD23	B. Vahedi-Nouri, R. Tavakkoli- Moghaddam, Z. Hanzálek, A. Dolgui	Production scheduling in a reconfigurable manufacturing system benefiting from human-robot collaboration	2023	International Journal of Production Research	[611]
HillBCGN22	HillBCGN22	A. Hill, Andrea J. Brickey, I. Cipriano, M. Goycoolea, A. Newman	Optimization Strategies for Resource-Constrained Project Scheduling Problems in Underground Mining	2022	INFORMS Journal on Computing	[305]
MartnezAJ22	MartnezAJ22	Karim Pérez Martínez, Y. Adulyasak, R. Jans	Logic-Based Benders Decomposition for Integrated Process Configuration and Pro- duction Planning Problems	2022	INFORMS Journal on Computing	[432]
NaderiR22	NaderiR22	B. Naderi, V. Roshanaei	Critical-Path-Search Logic-Based Benders Decomposition Approaches for Flexible Job Shop Scheduling	2022	INFORMS Journal on Optimization	[462]
ShiYXQ22	ShiYXQ22	G. Shi, Z. Yang, Y. Xu, Y. Quan	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach	2022	International Journal of Production Research	[556]
CarlierSJP21	CarlierSJP21	J. Carlier, A. Sahli, A. Jougllet, E. Pinson	A faster checker of the energetic reasoning for the cumulative scheduling problem	2021	International Journal of Production Research	[137]
NaderiRBAU21	NaderiRBAU21	B. Naderi, V. Roshanaei, Mehmet A. Be- gen, Dionne M. Aleman, David R. Ur- bach	Increased Surgical Capacity without Additional Resources: Generalized Operating Room Planning and Scheduling	2021	Production and Opera- tions Management	[463]
AlizdehS20	AlizdehS20	S. Alizdeh, S. Saeidi	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming	2020	Int. J. Adv. Intell. Paradigms	[16]

Table 21: ARTICLE without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
GuoHLW20	GuoHLW20	P. Guo, X. He, Y. Luan, Y. Wang	Logic-based Benders decomposition for gantry crane scheduling with transferring position constraints in a rail-road container terminal	2020	Engineering Optimization	[271]
EdwardsBSE19	EdwardsBSE19	Steven J. Edwards, D. Baatar, K. Smith-Miles, Andreas T. Ernst	Symmetry breaking of identical projects in the high-multiplicity RCPSP/max	2019	Journal of the Operational Research Society	[194]
WariZ19	WariZ19	E. Wari, W. Zhu	A Constraint Programming model for food processing industry: a case for an ice cream processing facility	2019	International Journal of Production Research	[638]
RoshanaeiLAU17a	RoshanaeiLAU17a	V. Roshanaei, C. Luong, Dionne M. Aleman, David R. Urbach	Collaborative Operating Room Planning and Scheduling	2017	INFORMS Journal on Computing	[530]
ZarandiB12	ZarandiB12	Mohammad M. Fazel-Zarandi, J. Christopher Beck	Using Logic-Based Benders Decomposition to Solve the Capacity- and Distance-Constrained Plant Location Problem	2012	INFORMS Journal on Computing	[214]
EdisO11a	EdisO11a	Emrah B. Edis, I. Ozkarahan	A combined integer/constraint programming approach to a resource-constrained parallel machine scheduling problem with machine eligibility restrictions	2011	Engineering Optimization	[193]
MilanoORT02	MilanoORT02	M. Milano, G. Ottosson, P. Refalo, Er-lendur S. Thorsteinsson	The Role of Integer Programming Techniques in Constraint Programming's Global Constraints	2002	INFORMS Journal on Computing	[443]
Tay92	Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	1992	Comput. J.	[585]
Lauriere78	Lauriere78	J. Lauriere	A language and a program for stating and solving combinatorial problems	1978	Artificial Intelligence	[383]

B Papers and Articles Without Recognized Concepts

This section lists papers and articles for which we have a pdf local copy, but where we were not able to extract any of the defined concepts. This can basically have two reasons. We either have included a paper which is not at all related to scheduling, so that none of the defined concepts occur in the paper. A more likely cause is that the pdf file is a scanned document for which optical character recognition was not run or not successful, so that the pdf consists of a series of bitmap images. In that case, pdfgrep is unable to find any text in the document, and no matches for concepts are found. It may be useful to check the pdf files to see if that is the case.

Table 22: PAPER without Concepts

Key	Local Copy	Authors	Title	Year	Conference /Journal	Cite	Pages
BaptisteLV92	Yes	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming	1992	ICRA 1992	[51]	6
DincbasHSAGB88	Yes	M. Dincbas, Pascal Van Hentenryck, H. Simonis, A. Aggoun, T. Graf, F. Berthier	The Constraint Logic Programming Language CHIP	1988	FGCS 1988	[184]	10

Table 23: ARTICLE without Concepts

Key	Local Copy	Authors	Title	Year	Conference /Journal	Cite	Pages
KorbaaYG00	Yes	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming	2000	Eur. J. Control	[356]	10
LopezAKYG00	Yes	P. Lopez, H. Alla, O. Korbaa, P. Yim, J. Gentina	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina	2000	Eur. J. Control	[414]	4
CarlierP94	Yes	J. Carlier, E. Pinson	Adjustment of heads and tails for the job-shop problem	1994	European Journal of Operational Research	[136]	16
ApplegateC91	Yes	D. Applegate, W. Cook	A Computational Study of the Job-Shop Scheduling Problem	1991	ORSA Journal on Computing	[23]	8

C Unmatched Concepts

This section lists those concepts for which no matches were found. The most likely cause is a mistake in the regular expression used to find the concept, but it is also possible that some concept simply is not mentioned in any of the documents.

Table 24: Unmatched Concepts

Type	Name	CaseSensitive	Revision
Industries	PCB industry		0
Industries	electricity industry		0
Industries	leisure industry		0
Industries	metalworking industry		0
Industries	nuclear industry		0
Industries	steel making industry		0
ApplicationAreas	day-ahead market		0
ApplicationAreas	ship building		0
Classification	Modified Generalized Assignment Problem		0
Classification	PP-MS-MMRCPSP	Y	1
Classification	Pre-emptive Job-Shop scheduling Problem		0
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow		0
Classification	SMSDP	Y	1
Classification	Steel-making and continuous casting		0
Concepts	Logic-Based Benders Decomposition		0

D Works by Author

D.1 49 Works by J. Christopher Beck

Table 25: Works from bibtex (Total 49)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
LuoB22 LuoB22	Yiqing L. Luo, J. Christopher Beck	Packing by Scheduling: Using Constraint Programming to Solve a Complex 2D Cutting Stock Problem	Yes	[420]	2022	CPAIOR 2022	17	0	28	526	669
ZhangBB22 ZhangBB22	J. Zhang, Giovanni Lo Bianco, J. Christopher Beck	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware	Yes	[665]	2022	ICAPS 2022	9	0	0	639	677
RoshanaeiBAUB20 RoshanaeiBAUB20	V. Roshanaei, Kyle E.C. Booth, Dionne M. Aleman, David R. Urbach, J. Christopher Beck	Branch-and-check methods for multi-level operating room planning and scheduling	Yes	[528]	2020	International Journal of Production Economics	19	24	43	1452	1600
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[580]	2020	CPAIOR 2020	16	6	12	594	699
TranPZLDB18 TranPZLDB18	Tony T. Tran, M. Padmanabhan, Peter Yun Zhang, H. Li, Douglas G. Down, J. Christopher Beck	Multi-stage resource-aware scheduling for data centers with heterogeneous servers	Yes	[604]	2018	Journal of Scheduling	17	8	26	1480	1636
CohenHB17 CohenHB17	E. Cohen, G. Huang, J. Christopher Beck	(I Can Get) Satisfaction: Preference-Based Scheduling for Concert-Goers at Multi-venue Music Festivals	Yes	[155]	2017	SAT 2017	17	1	12	404	737
TranVNB17 TranVNB17	Tony T. Tran, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots	Yes	[606]	2017	J. Artif. Intell. Res.	68	12	0	1481	1644
TranVNB17a TranVNB17a	Tony T. Tran, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots (Extended Abstract)	Yes	[607]	2017	IJCAI 2017	5	1	0	609	746
BoothNB16 BoothNB16	Kyle E. C. Booth, G. Nejat, J. Christopher Beck	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes	Yes	[115]	2016	CP 2016	17	21	24	386	750
KuB16 KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	Yes	[369]	2016	Computers Operations Research	9	119	17	1382	1652
LuoVLBM16 LuoVLBM16	R. Luo, Richard Anthony Valenzano, Y. Li, J. Christopher Beck, Sheila A. McIlraith	Using Metric Temporal Logic to Specify Scheduling Problems	Yes	[419]	2016	KR 2016	4	0	0	527	760
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	Yes	[601]	2016	INFORMS Journal on Computing	13	72	28	1479	1656
TranDRFWOVB16 TranDRFWOVB16	Tony T. Tran, M. Do, Eleanor Gilbert Rieffel, J. Frank, Z. Wang, B. O’Gorman, D. Venturelli, J. Christopher Beck	A Hybrid Quantum-Classical Approach to Solving Scheduling Problems	Yes	[603]	2016	SOCS 2016	9	3	0	607	765
TranWDRFOVB16 TranWDRFOVB16	Tony T. Tran, Z. Wang, M. Do, Eleanor Gilbert Rieffel, J. Frank, B. O’Gorman, D. Venturelli, J. Christopher Beck	Explorations of Quantum-Classical Approaches to Scheduling a Mars Lander Activity Problem	Yes	[608]	2016	AAAI 2016	9	0	0	610	766
BajestaniB15 BajestaniB15	Maliheh Aramon Bajestani, J. Christopher Beck	A two-stage coupled algorithm for an integrated maintenance planning and flowshop scheduling problem with deteriorating machines	Yes	[43]	2015	Journal of Scheduling	16	17	59	1270	1658
KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[357]	2014	CPAIOR 2014	16	4	18	494	797
LouieVNB14 LouieVNB14	Wing-Yue Geoffrey Louie, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities	Yes	[416]	2014	ICRA 2014	7	16	9	525	799
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[588]	2014	J. Artif. Intell. Res.	38	12	0	1474	1676
BajestaniB13 BajestaniB13	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources	Yes	[42]	2013	J. Artif. Intell. Res.	36	14	0	1269	1678

Table 25: Works from bibtex (Total 49)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[295]	2013	CPAIOR 2013	16	9	15	465	804
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[298]	2013	Constraints An Int. J.	36	7	31	1355	1680
TranTDB13 TranTDB13	Tony T. Tran, D. Terekhov, Douglas G. Down, J. Christopher Beck	Hybrid Queueing Theory and Scheduling Models for Dynamic Environments with Sequence-Dependent Setup Times	Yes	[605]	2013	ICAPS 2013	9	0	0	608	812
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[294]	2012	CPAIOR 2012	17	8	21	464	817
TerekhovDOB12 TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	Yes	[587]	2012	Computers Industrial Engineering	15	8	48	1473	1694
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[602]	2012	ECAI 2012	6	0	0	606	824
ZarandiB12 ZarandiB12	Mohammad M. Fazel-Zarandi, J. Christopher Beck	Using Logic-Based Benders Decomposition to Solve the Capacity- and Distance-Constrained Plant Location Problem	No	[214]	2012	INFORMS Journal on Computing	null	38	57	No	1695
BajestaniB11 BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[41]	2011	ICAPS 2011	8	0	0	348	826
BeckFW11 BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	Yes	[66]	2011	INFORMS Journal on Computing	14	43	23	1280	1698
HeckmanB11 HeckmanB11	I. Heckman, J. Christopher Beck	Understanding the behavior of Solution-Guided Search for job-shop scheduling	Yes	[293]	2011	Journal of Scheduling	20	0	22	1353	1704
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[360]	2011	Constraints An Int. J.	24	4	26	1378	1706
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[94]	2009	Journal of Scheduling	30	58	20	1291	1722
CarchraeB09 CarchraeB09	T. Carchrae, J. Christopher Beck	Principles for the Design of Large Neighborhood Search	Yes	[132]	2009	Journal of Mathematical Modelling and Algorithms	26	16	19	1303	1724
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	Yes	[650]	2009	Computers Operations Research	9	42	5	1490	1730
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[359]	2008	Eng. Appl. Artif. Intell.	7	5	14	1377	1733
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[639]	2008	CPAIOR 2008	15	14	17	626	872
Beck07 Beck07	J. Christopher Beck	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling	Yes	[64]	2007	J. Artif. Intell. Res.	29	34	0	1277	1738
BeckW07 BeckW07	J. Christopher Beck, N. Wilson	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations	Yes	[73]	2007	J. Artif. Intell. Res.	50	27	0	1282	1739
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[358]	2007	CPAIOR 2007	15	2	12	495	879
Beck06 Beck06	J. Christopher Beck	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling	Yes	[63]	2006	ICAPS 2006	10	0	0	358	884
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[72]	2005	IJCAI 2005	6	0	0	362	894
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[133]	2005	CP 2005	1	0	0	393	895
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[649]	2005	CP 2005	1	0	0	635	911
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[71]	2004	ECAI 2004	5	0	0	361	913
BeckPS03 BeckPS03	J. Christopher Beck, P. Prosser, E. Selensky	Vehicle Routing and Job Shop Scheduling: What's the Difference?	Yes	[69]	2003	ICAPS 2003	10	0	0	360	924

Table 25: Works from bibtex (Total 49)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BeckR03 BeckR03	J. Christopher Beck, P. Refalo	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs	Yes	[70]	2003	Annals of Operations Research	23	29	0	1281	1754
BeckF00 BeckF00	J. Christopher Beck, Mark S. Fox	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics	Yes	[68]	2000	Artificial Intelligence	51	24	19	1278	1769
Beck99 Beck99	J. Christopher Beck	Texture measurements as a basis for heuristic commitment techniques in constraint-directed scheduling	Yes	[62]	1999	University of Toronto, Canada	418	0	0	2843	n/a
BeckF98 BeckF98	J. Christopher Beck, Mark S. Fox	A Generic Framework for Constraint-Directed Search and Scheduling	Yes	[67]	1998	AI Mag.	30	0	0	1279	1780
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research	Yes	[65]	1997	CP 1997	15	3	12	359	955

D.2 31 Works by Michela Milano

Table 26: Works from bibtex (Total 31)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[116]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1298	1622
BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[113]	2016	CP 2016	17	0	11	384	749
BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[121]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1300	1647
BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[122]	2016	ECAI 2016	2	0	0	388	751
LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[403]	2015	CP 2015	16	0	8	520	777
BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[60]	2014	CP 2014	16	12	3	356	786
BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence CPAIOR 2014	28	8	15	1297	1671
BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[111]	2014	CPAIOR 2014	16	3	12	382	789
BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	381	800
LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[410]	2013	ICAPS 2013	2	0	0	524	807
LombardiMB13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	Yes	[411]	2013	IEEE Transactions on Computers	14	28	29	1395	1681
BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	380	814
BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[112]	2012	DC SIAAI 2012	3	0	0	383	815
LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[409]	2012	Constraints An Int. J.	35	39	68	1393	1688
LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[408]	2012	Artificial Intelligence	10	3	13	1394	1689
BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[90]	2011	Annals of Operations Research	27	18	16	1289	1700
BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[107]	2011	CP 2011	15	3	14	379	827
LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[404]	2011	CPAIOR 2011	17	1	13	521	836
Milano11	M. Milano	Constraint Programming Links with Math Programming	No	[442]	2011	Wiley Encyclopedia of Operations Research and Management Science	null	0	28	No	n/a
LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[407]	2010	CP 2010	15	1	11	523	846
LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[406]	2010	Artificial Intelligence	30	8	24	1392	1715
LombardiMRB10	M. Lombardi, M. Milano, M. Ruggiero, L. Benini	Stochastic allocation and scheduling for conditional task graphs in multi-processor systems-on-chip	Yes	[412]	2010	Journal of Scheduling	31	24	41	1396	1716

Table 26: Works from bibtex (Total 31)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the	Yes	[405]	2009	CP 2009	15	7	12	522	855
LombardiM09		RCPSP with Time Lags and Variable Durations									
MilanoW09 MilanoW09	M. Milano, M. Wallace	Integrating Operations Research in Constraint	Yes	[445]	2009	Annals of Opera-	40	34	46	1411	1727
RuggieroBBMA09	M. Ruggiero, D. Bertozzi, L. Benini, M. Milano,	Reducing the Abstraction and Optimality Gaps in	Yes	[532]	2009	IEEE Trans. Com-	14	9	27	1454	1729
RuggieroBBMA09	A. Andrei	the Allocation and Scheduling for Variable				put. Aided Des. In-					
		Voltage/Frequency MPSoC Platforms				tegr. Circuits Syst.					
BeniniLMR08	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	A Constraint Programming Approach for Allocation	Yes	[89]	2008	CP 2008	15	7	23	370	864
BeniniLMR08		and Scheduling on the CELL Broadband Engine									
BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on	Yes	[88]	2006	CPAIOR 2006	15	18	10	369	885
BeniniBGM06		Energy Aware MPSoCs									
MilanoW06 MilanoW06	M. Milano, M. Wallace	Integrating operations research in constraint	Yes	[444]	2006	4OR	45	18	46	1410	1746
		programming									
MilanoORT02	M. Milano, G. Ottosson, P. Refalo, Erlendur S.	The Role of Integer Programming Techniques in	No	[443]	2002	INFORMS Journal	null	14	31	No	1761
MilanoORT02	Thorsteinsson	Constraint Programming's Global Constraints				on Computing					
LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[381]	1997	Artif. Intell. Eng.	15	11	7	1387	1786
LammaMM97											
BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M.	Resource-Based vs. Task-Based Approaches for	Yes	[124]	1996	ISMIS 1996	10	1	9	389	959
BrusoniCLMMT96	Milano, P. Terenziani	Scheduling Problems									

D.3 27 Works by Andreas Schutt

Table 27: Works from bibtex (Total 27)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[651]	2019	CPAIOR 2019	10	1	14	636	717
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[254]	2018	J. Artif. Intell. Res.	32	8	0	1335	1627
KreterSSZ18 KreterSSZ18	S. Kreter, A. Schutt, Peter J. Stuckey, J. Zimmermann	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems	Yes	[368]	2018	European Journal of Operational Research	15	25	31	1381	1631
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[459]	2018	CPAIOR 2018	17	7	23	546	728
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[253]	2017	CP 2017	16	0	10	448	739
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[367]	2017	Constraints An Int. J.	31	15	20	1380	1640
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[653]	2017	CP 2017	10	6	21	637	747
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[550]	2016	CP 2016	17	3	23	578	762
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[577]	2016	CP 2016	10	9	14	592	763
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[204]	2015	CP 2015	18	3	12	423	771
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[205]	2015	CoRR	16	0	0	1320	1659
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[366]	2015	CP 2015	17	7	16	500	775
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[549]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	n/a
GuSSWC14 GuSSWC14	H. Gu, A. Schutt, Peter J. Stuckey, Mark G. Wallace, G. Chu	Exact and Heuristic Methods for the Resource-Constrained Net Present Value Problem	No	[269]	2014	Handbook on Project Management and Scheduling Vol.1	null	5	35	No	n/a
ThiruvadyWGS14 ThiruvadyWGS14	Dhananjay R. Thiruvady, M. Wallace, H. Gu, A. Schutt	A Lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows	Yes	[592]	2014	J. Heuristics	34	19	18	1475	1677
ChuGNSW13 ChuGNSW13	G. Chu, S. Gaspers, N. Narodytska, A. Schutt, T. Walsh	On the Complexity of Global Scheduling Constraints under Structural Restrictions	Yes	[148]	2013	IJCAI 2013	7	0	0	399	801
GuSS13 GuSS13	H. Gu, A. Schutt, Peter J. Stuckey	A Lagrangian Relaxation Based Forward-Backward Improvement Heuristic for Maximising the Net Present Value of Resource-Constrained Projects	Yes	[268]	2013	CPAIOR 2013	7	10	24	457	803
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[544]	2013	CP 2013	17	10	20	575	810
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[543]	2013	CPAIOR 2013	17	20	27	576	811
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[548]	2013	Journal of Scheduling	17	43	23	1462	1684
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[542]	2012	CPAIOR 2012	17	18	21	574	821
Schutt11 Schutt11	A. Schutt	Improving Scheduling by Learning	Yes	[541]	2011	University of Melbourne, Australia	209	0	0	2865	n/a
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[547]	2011	Constraints An Int. J.	33	57	23	1461	1709

Table 27: Works from bibtex (Total 27)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[551]	2010	CP 2010	15	13	14	579	848
abs-1009-0347 abs-1009-0347	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving the Resource Constrained Project Scheduling Problem with Generalized Precedences by Lazy Clause Generation	Yes	[546]	2010	CoRR	37	0	0	1505	1721
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[545]	2009	CP 2009	16	34	11	577	857
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[552]	2005	INAP 2005	15	6	4	580	907

D.4 25 Works by Peter J. Stuckey

Table 28: Works from bibtex (Total 25)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
GokGSTO20	Yagmur S. Gök, D. Guimaraens, Peter J. Stuckey, M. Tomasella, C. Ozturk	Robust Resource Planning for Aircraft Ground Operations	Yes	[251]	2020	CPAIOR 2020	17	2	14	447	694
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[651]	2019	CPAIOR 2019	10	1	14	636	717
DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[178]	2018	CPAIOR 2018	18	4	16	412	723
KreterSSZ18	S. Kreter, A. Schutt, Peter J. Stuckey, J. Zimmermann	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems	Yes	[368]	2018	European Journal of Operational Research	15	25	31	1381	1631
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[459]	2018	CPAIOR 2018	17	7	23	546	728
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[367]	2017	Constraints An Int. J. Manag. Sci.	31	15	20	1380	1640
BlomPS16 BlomPS16	Michelle L. Blom, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods	Yes	[100]	2016	CP 2016	26	20	36	1294	1645
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[550]	2016	CP 2016	17	3	23	578	762
BurtLPS15 BurtLPS15	Christina N. Burt, N. Lipovetzky, Adrian R. Pearce, Peter J. Stuckey	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feedrate Constraints: A Mine Planning Case Study	Yes	[125]	2015	CPAIOR 2015	17	0	8	390	769
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[366]	2015	CP 2015	17	7	16	500	775
SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[549]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	n/a
BlomBPS14	Michelle L. Blom, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines	Yes	[99]	2014	INFORMS Journal on Computing	19	15	47	1293	1670
GuSSWC14 GuSSWC14	H. Gu, A. Schutt, Peter J. Stuckey, Mark G. Wallace, G. Chu	Exact and Heuristic Methods for the Resource-Constrained Net Present Value Problem	No	[269]	2014	Handbook on Project Management and Scheduling Vol.1	null	5	35	No	n/a
LipovetzkyBPS14	N. Lipovetzky, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	Planning for Mining Operations with Time and Resource Constraints	Yes	[398]	2014	ICAPS 2014	9	0	0	516	798
GuSS13 GuSS13	H. Gu, A. Schutt, Peter J. Stuckey	A Lagrangian Relaxation Based Forward-Backward Improvement Heuristic for Maximising the Net Present Value of Resource-Constrained Projects	Yes	[268]	2013	CPAIOR 2013	7	10	24	457	803
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[544]	2013	CP 2013	17	10	20	575	810
SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[543]	2013	CPAIOR 2013	17	20	27	576	811
SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[548]	2013	Journal of Scheduling	17	43	23	1462	1684
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[270]	2012	CP 2012	15	5	20	458	816
SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[542]	2012	CPAIOR 2012	17	18	21	574	821
BandaSC11 BandaSC11	Maria Garcia de la Banda, Peter J. Stuckey, G. Chu	Solving Talent Scheduling with Dynamic Programming	Yes	[171]	2011	INFORMS Journal on Computing	18	24	17	1271	1696
SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[547]	2011	Constraints An Int. J.	33	57	23	1461	1709

Table 28: Works from bibtex (Total 25)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
abs-1009-0347 abs-1009-0347	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving the Resource Constrained Project Scheduling Problem with Generalized Precedences by Lazy Clause Generation	Yes	[546]	2010	CoRR	37	0	0	1505	1721
OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[487]	2009	Constraints An Int. J.	35	127	15	1432	1728
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[545]	2009	CP 2009	16	34	11	577	857

D.5 25 Works by Michele Lombardi

Table 29: Works from bibtex (Total 25)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[116]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1298	1622
BorghesiBLMB18											
CauwelaertLS18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[142]	2018	Constraints An Int. J.	36	2	39	1305	1623
CauwelaertLS18											
BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[113]	2016	CP 2016	17	0	11	384	749
BonfiettiZLM16											
BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[121]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1300	1647
BridiBLMB16											
BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[122]	2016	ECAI 2016	2	0	0	388	751
BridiLBBM16											
LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[403]	2015	CP 2015	16	0	8	520	777
LombardiBM15											
BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[60]	2014	CP 2014	16	12	3	356	786
BartoliniBBLM14											
BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence CPAIOR 2014	28	8	15	1297	1671
BonfiettiLBM14											
BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[111]	2014	CPAIOR 2014	16	3	12	382	789
BonfiettiLM14											
BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	381	800
BonfiettiLM13											
LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[410]	2013	ICAPS 2013	2	0	0	524	807
LombardiM13											
LombardiMB13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	Yes	[411]	2013	IEEE Transactions on Computers CPAIOR 2012	14	28	29	1395	1681
LombardiMB13											
BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	380	814
BonfiettiLBM12											
LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[409]	2012	Constraints An Int. J.	35	39	68	1393	1688
LombardiM12											
LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[408]	2012	Artificial Intelligence	10	3	13	1394	1689
LombardiM12a											
BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[90]	2011	Annals of Operations Research	27	18	16	1289	1700
BeniniLMR11											
BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[107]	2011	CP 2011	15	3	14	379	827
BonfiettiLBM11											
LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[404]	2011	CPAIOR 2011	17	1	13	521	836
LombardiBMB11											
Lombardi10	M. Lombardi	Hybrid Methods for Resource Allocation and Scheduling Problems in Deterministic and Stochastic Environments	Yes	[402]	2010	University of Bologna, Italy	175	0	0	2859	n/a
Lombardi10											
LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[407]	2010	CP 2010	15	1	11	523	846
LombardiM10											
LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[406]	2010	Artificial Intelligence	30	8	24	1392	1715
LombardiM10a											
LombardiMRB10	M. Lombardi, M. Milano, M. Ruggiero, L. Benini	Stochastic allocation and scheduling for conditional task graphs in multi-processor systems-on-chip	Yes	[412]	2010	Journal of Scheduling	31	24	41	1396	1716
LombardiMRB10											
LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[405]	2009	CP 2009	15	7	12	522	855
LombardiM09											

Table 29: Works from bibtex (Total 25)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BeniniLMR08	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	A Constraint Programming Approach for Allocation and Scheduling on the CELL Broadband Engine	Yes	[89]	2008	CP 2008	15	7	23	370	864
BeniniLMR08											
HoeveGSL07			Yes	[616]	2007	AAAI 2007	6	0	0	472	877
HoeveGSL07	Willem-Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming									

D.6 19 Works by John N. Hooker

Table 30: Works from bibtex (Total 19)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
ElciOH22 ElciOH22	Özgün Elçi, John N. Hooker	Stochastic Planning and Scheduling with Logic-Based Benders Decomposition	Yes	[196]	2022	INFORMS Journal on Computing	21	2	34	1316	1551
Hooker19 Hooker19	John N. Hooker	Logic-Based Benders Decomposition for Large-Scale Optimization	Yes	[316]	2019	Large Scale Optimization in Supply Chains and Smart Manufacturing	26	8	0	2887	n/a
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[315]	2017	CP 2017	14	6	24	475	740
HookerH17 HookerH17	John N. Hooker, Willem-Jan van Hoeve	Constraint programming and operations research	Yes	[318]	2017	Constraints An Int. J.	24	12	189	1361	1639
CireCH16 CireCH16	Andre A. Ciré, E. Coban, John N. Hooker	Logic-based Benders decomposition for planning and scheduling: a computational analysis	Yes	[151]	2016	The Knowledge Engineering Review	12	15	21	1307	1648
HechingH16 HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[292]	2016	CPAIOR 2016	11	10	0	463	757
HarjunkoskiMBC14 HarjunkoskiMBC14	I. Harjunkoski, Christos T. Maravelias, P. Bongers, Pedro M. Castro, S. Engell, Ignacio E. Grossmann, John N. Hooker, C. Méndez, G. Sand, J. Wassick	Scope for industrial applications of production scheduling models and solution methods	Yes	[283]	2014	Computers Chemical Engineering	33	381	176	1350	1673
CireCH13 CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[150]	2013	CPAIOR 2013	7	3	23	401	802
CobanH11 CobanH11	E. Coban, John N. Hooker	Single-facility scheduling by logic-based Benders decomposition	Yes	[154]	2011	Annals of Operations Research	28	14	37	1308	1701
CobanH10 CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes	[153]	2010	CPAIOR 2010	5	9	9	403	843
Hooker10 Hooker10	John N. Hooker	Hybrid Modeling	No	[314]	2010	Hybrid Optimization	null	9	39	No	n/a
Hooker07 Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	Yes	[313]	2007	Operations Research	29	181	19	1360	1741
Hooker06 Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[312]	2006	Constraints An Int. J.	19	19	13	1359	1744
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[310]	2005	Constraints An Int. J.	17	68	11	1358	1750
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[311]	2005	CP 2005	14	30	10	474	903
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[309]	2004	CP 2004	12	39	9	473	915
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[317]	2003	Mathematical Programming	28	317	0	1362	1755
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[319]	2002	CP 2002	5	8	7	476	936
Hooker00 Hooker00	John N. Hooker	Logic Based Methods for Optimization: Combining Optimization and Constraint Satisfaction	No	[308]	2000	Book	null	185	0	No	n/a

D.7 17 Works by Emmanuel Hebrard

Table 31: Works from bibtex (Total 17)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[332]	2023	CP 2023	16	0	0	481	651
HebrardALLCMR22 HebrardALLCMR22	E. Hebrard, C. Artigues, P. Lopez, A. Lusson, Steve A. Chien, A. Maillard, Gregg R. Rabideau	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration	Yes	[289]	2022	IJCAI 2022	7	0	0	461	666
AntuoriHHEN21 AntuoriHHEN21	V. Antuori, E. Hebrard, M. Huguet, S. Essodaigui, A. Nguyen	Combining Monte Carlo Tree Search and Depth First Search Methods for a Car Manufacturing Workshop Scheduling Problem	Yes	[22]	2021	CP 2021	16	0	0	337	679
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	Yes	[32]	2021	ICORES 2021	8	0	0	343	681
AntuoriHHEN20 AntuoriHHEN20	V. Antuori, E. Hebrard, M. Huguet, S. Essodaigui, A. Nguyen	Leveraging Reinforcement Learning, Constraint Programming and Local Search: A Case Study in Car Manufacturing	Yes	[21]	2020	CP 2020	16	3	8	336	691
GodetLHS20 GodetLHS20	A. Godet, X. Lorca, E. Hebrard, G. Simonin	Using Approximation within Constraint Programming to Solve the Parallel Machine Scheduling Problem with Additional Unit Resources	Yes	[249]	2020	AAAI 2020	8	1	0	446	693
HebrardHJMPV16 HebrardHJMPV16	E. Hebrard, M. Huguet, N. Jozefowicz, A. Maillard, C. Pralet, G. Verfaillie	Approximation of the parallel machine scheduling problem with additional unit resources	Yes	[290]	2016	Discret. Appl. Math.	10	9	8	1352	1651
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	Yes	[261]	2015	INFORMS Journal on Computing	17	12	41	1338	1661
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[560]	2015	CP 2015	10	4	17	582	782
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[562]	2015	Constraints An Int. J.	23	4	5	1466	1668
BessiereHMQW14 BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[93]	2014	CPAIOR 2014	16	1	3	372	787
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[95]	2012	CPAIOR 2012	15	1	19	373	813
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[561]	2012	CP 2012	15	3	8	583	823
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[260]	2011	CP 2011	17	5	18	452	831
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[259]	2010	CPAIOR 2010	15	13	20	451	845
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[262]	2009	CP 2009	9	15	12	453	853
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[291]	2005	CP 2005	1	0	3	462	902

D.8 17 Works by Pierre Lopez

Table 32: Works from bibtex (Total 17)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[332]	2023	CP 2023	16	0	0	481	651
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[334]	2023	CPAIOR 2023	16	0	11	482	652
JuvinHL23a JuvinHL23a	C. Juvin, L. Houssin, P. Lopez	Logic-based Benders decomposition for the preemptive flexible job-shop scheduling problem	Yes	[335]	2023	Computers Operations Research	17	0	40	1370	1534
HebrardALLCMR22 HebrardALLCMR22	E. Hebrard, C. Artigues, P. Lopez, A. Lusson, Steve A. Chien, A. Maillard, Gregg R. Rabideau	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration	Yes	[289]	2022	IJCAI 2022	7	0	0	461	666
JuvinHL22 JuvinHL22	C. Juvin, L. Houssin, P. Lopez	Logic-Based Benders Decomposition for the Preemptive Flexible Job-Shop Scheduling Problem	Yes	[333]	2022	SSRN Electronic Journal	32	0	29	1369	1558
Polo-MejiaALB20 Polo-MejiaALB20	O. Polo-Mejía, C. Artigues, P. Lopez, V. Basini	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility	Yes	[510]	2020	International Journal of Production Research	18	8	23	1445	1598
NattafHKAL19 NattafHKAL19	M. Nattaf, M. Horváth, T. Kis, C. Artigues, P. Lopez	Polyhedral results and valid inequalities for the continuous energy-constrained scheduling problem	Yes	[470]	2019	Discret. Appl. Math.	16	5	12	1423	1611
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[467]	2017	Constraints An Int. J.	18	5	10	1420	1641
NattafALR16 NattafALR16	M. Nattaf, C. Artigues, P. Lopez, D. Rivreau	Energetic reasoning and mixed-integer linear programming for scheduling with a continuous resource and linear efficiency functions	Yes	[468]	2016	OR Spectr.	34	10	15	1421	1653
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[466]	2015	Constraints An Int. J.	21	14	13	1419	1664
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[562]	2015	Constraints An Int. J.	23	4	5	1466	1668
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[95]	2012	CPAIOR 2012	15	1	19	373	813
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[561]	2012	CP 2012	15	3	8	583	823
LahimerLH11 LahimerLH11	A. Lahimer, P. Lopez, M. Haouari	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks	Yes	[379]	2011	CPAIOR 2011	14	3	15	507	835
TrojetHL11 TrojetHL11	M. Trojet, F. H'Mida, P. Lopez	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework	Yes	[609]	2011	Computers Industrial Engineering	7	11	17	1482	1711
LopezAKYG00 LopezAKYG00	P. Lopez, H. Alla, O. Korbaa, P. Yim, J. Gentina	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina	Yes	[414]	2000	Eur. J. Control	4	0	0	1398	1772
TorresL00 TorresL00	P. Torres, P. Lopez	On Not-First/Not-Last conditions in disjunctive scheduling	Yes	[598]	2000	European Journal of Operational Research	12	26	13	1478	1777

D.9 16 Works by Christian Artigues

Table 33: Works from bibtex (Total 16)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
PovedaAA23 PovedaAA23	G. Pováda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	Yes	[513]	2023	CP 2023	21	0	0	562	657
HebrardALLCMR22 HebrardALLCMR22	E. Hebrard, C. Artigues, P. Lopez, A. Lussion, Steve A. Chien, A. Maillard, Gregg R. Rabideau	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration	Yes	[289]	2022	IJCAI 2022	7	0	0	461	666
PohlAK22 PohlAK22	M. Pohl, C. Artigues, R. Kolisch	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach	Yes	[509]	2022	European Journal of Operational Research	16	4	31	1444	1565
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	Yes	[32]	2021	ICORES 2021	8	0	0	343	681
Polo-MejiaALB20 Polo-MejiaALB20	O. Polo-Mejía, C. Artigues, P. Lopez, V. Basini	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility	Yes	[510]	2020	International Journal of Production Research	18	8	23	1445	1598
NattafHKAL19 NattafHKAL19	M. Nattaf, M. Horváth, T. Kis, C. Artigues, P. Lopez	Polyhedral results and valid inequalities for the continuous energy-constrained scheduling problem	Yes	[470]	2019	Discret. Appl. Math.	16	5	12	1423	1611
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[467]	2017	Constraints An Int. J.	18	5	10	1420	1641
NattafALR16 NattafALR16	M. Nattaf, C. Artigues, P. Lopez, D. Rivreau	Energetic reasoning and mixed-integer linear programming for scheduling with a continuous resource and linear efficiency functions	Yes	[468]	2016	OR Spectr.	34	10	15	1421	1653
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[466]	2015	Constraints An Int. J.	21	14	13	1419	1664
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[560]	2015	CP 2015	10	4	17	582	782
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[562]	2015	Constraints An Int. J.	23	4	5	1466	1668
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[561]	2012	CP 2012	15	3	8	583	823
NeronABCDD06 NeronABCDD06	E. Néron, C. Artigues, P. Baptiste, J. Carlier, J. Damay, S. Demassey, P. Laborie	Lower Bounds for Resource Constrained Project Scheduling Problem	No	[485]	2006	Perspectives in Modern Project Scheduling	null	3	34	No	n/a
DemasseyAM05 DemasseyAM05	S. Demassey, C. Artigues, P. Michelon	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem	Yes	[177]	2005	INFORMS Journal on Computing	18	43	25	1313	1749
ArtiguesBF04 ArtiguesBF04	C. Artigues, S. Belmokhtar, D. Feillet	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times	Yes	[30]	2004	CPAIOR 2004	13	16	9	342	912
ArtiguesR00 ArtiguesR00	C. Artigues, F. Roubellat	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes	Yes	[33]	2000	European Journal of Operational Research	20	84	3	1266	1767

D.10 15 Works by Pierre Schaus

Table 34: Works from bibtex (Total 15)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
CauwelaertDS20 CauwelaertDS20	Sasha Van Cauwelaert, C. Dejemeppe, P. Schaus	An Efficient Filtering Algorithm for the Unary Resource Constraint with Transition Times and Optional Activities	Yes	[143]	2020	Journal of Scheduling	19	2	21	1304	1590
ThomasKS20 ThomasKS20	C. Thomas, R. Kameugne, P. Schaus	Insertion Sequence Variables for Hybrid Routing and Scheduling Problems	Yes	[593]	2020	CPAIOR 2020	18	0	16	601	700
HoundjiSW19 HoundjiSW19	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey	The item dependent stockingcost constraint	Yes	[320]	2019	Constraints An Int. J.	27	0	17	1363	1609
CappartTSR18 CappartTSR18	Q. Cappart, C. Thomas, P. Schaus, L. Rousseau	A Constraint Programming Approach for Solving Patient Transportation Problems	Yes	[131]	2018	CP 2018	17	6	31	392	722
CauwelaertLS18 CauwelaertLS18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[142]	2018	Constraints An Int. J.	36	2	39	1305	1623
CappartS17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[130]	2017	CPAIOR 2017	16	2	28	391	736
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[141]	2016	CP 2016	16	1	12	396	753
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[174]	2015	CP 2015	16	5	11	410	770
GayHLS15 GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	Yes	[231]	2015	CP 2015	9	20	15	433	772
GayHS15 GayHS15	S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint	Yes	[232]	2015	CP 2015	9	10	9	434	773
GayHS15a GayHS15a	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[233]	2015	CPAIOR 2015	16	5	12	435	774
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[234]	2014	CP 2014	15	7	11	436	795
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[321]	2014	CP 2014	16	5	7	477	796
SchausHMCMD11 SchausHMCMD11	P. Schaus, Pascal Van Hentenryck, J. Monette, C. Coffrin, L. Michel, Y. Deville	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Yes	[538]	2011	Constraints An Int. J.	23	14	5	1458	1708
SchausD08 SchausD08	P. Schaus, Y. Deville	A Global Constraint for Bin-Packing with Precedences: Application to the Assembly Line Balancing Problem	Yes	[537]	2008	AAAI 2008	6	0	0	573	871

D.11 15 Works by Helmut Simonis

Table 35: Works from bibtex (Total 15)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
ArmstrongGOS22	E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	Yes	[27]	2022	CPAIOR 2022	13	0	14	340	663
ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[26]	2021	CP 2021	18	1	0	339	680
AntunesABD20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[20]	2020	Int. J. Artif. Intell. Tools	31	0	16	1264	1586
AntunesABD18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[19]	2018	ICTAI 2018	8	1	24	335	718
HurleyOS16	B. Hurley, B. O'Sullivan, H. Simonis	ICON Loop Energy Show Case	Yes	[323]	2016	Data Mining and Constraint Programming - Foundations of a Cross-Disciplinary Approach	14	0	16	2888	n/a
GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[263]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1339	1672
IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[324]	2012	CP 2012	16	6	20	478	818
SimonisH11	H. Simonis, T. Hadzic	A Resource Cost Aware Cumulative	Yes	[569]	2011	CSCLP 2011	14	3	9	588	837
Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[566]	2007	Constraints An Int. J.	30	10	17	1467	1743
SimonisCK00	H. Simonis, P. Charlier, P. Kay	Constraint Handling in an Integrated Transportation Problem	Yes	[567]	2000	IEEE Intell. Syst.	7	11	5	1468	1775
Simonis99	H. Simonis	Building Industrial Applications with Constraint Programming	Yes	[565]	1999	CCL'99 1999	39	5	18	586	948
Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[564]	1995	CP 1995	4	7	3	584	964
Simonis95a	H. Simonis	Application Development with the CHIP System	Yes	[563]	1995	CONTESSA 1995	21	1	12	585	965
SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[568]	1995	CP 1995	14	17	8	587	966
DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[185]	1990	J. Log. Program.	19	86	9	1314	1795

D.12 13 Works by Nicolas Beldiceanu

Table 36: Works from bibtex (Total 13)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Green Energy Aware Scheduling Problem in Virtualized Datacenters	Yes	[422]	2017	ICPADS 2017	8	1	8	529	743
Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[421]	2016	CPAIOR 2016	16	0	0	528	761
LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[389]	2015	Constraints An Int. J.	52	2	14	1388	1663
LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[388]	2013	CPAIOR 2013	16	3	10	510	806
LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[387]	2012	CP 2012	16	18	12	509	819
BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demasse, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[80]	2011	Annals of Operations Research	24	8	8	1286	1699
ClercPB11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[152]	2011	CP 2011	16	3	11	402	829
BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[81]	2008	CPAIOR 2008	15	8	9	365	863
PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[507]	2008	ICAPS 2008	8	0	0	560	870
BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	Yes	[82]	2007	CPAIOR 2007	15	4	7	366	874
PoderBS04	E. Poder, N. Beldiceanu, E. Sanlaville	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption	Yes	[508]	2004	European Journal of Operational Research	16	7	8	1443	1753
BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[79]	2002	CP 2002	17	33	9	364	933
AggounB93	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	Yes	[9]	1993	Mathematical and Computer Modelling	17	187	11	1261	1793

D.13 13 Works by Luca Benini

Table 37: Works from bibtex (Total 13)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[116]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1298	1622
BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[121]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1300	1647
BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[122]	2016	ECAI 2016	2	0	0	388	751
BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence Transactions on Computers	28	8	15	1297	1671
BonfiettiLBM14	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	Yes	[411]	2013	IEEE Transactions on Computers	14	28	29	1395	1681
LombardiMB13	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	380	814
BonfiettiLBM12	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[90]	2011	Annals of Operations Research	27	18	16	1289	1700
BeniniLMR11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[107]	2011	CP 2011	15	3	14	379	827
BonfiettiLBM11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[404]	2011	CPAIOR 2011	17	1	13	521	836
LombardiBMB11	M. Lombardi, M. Milano, M. Ruggiero, L. Benini	Stochastic allocation and scheduling for conditional task graphs in multi-processor systems-on-chip	Yes	[412]	2010	Journal of Scheduling	31	24	41	1396	1716
LombardiMRB10	M. Ruggiero, D. Bertozzi, L. Benini, M. Milano, A. Andrei	Reducing the Abstraction and Optimality Gaps in the Allocation and Scheduling for Variable Voltage/Frequency MPSoC Platforms	Yes	[532]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	9	27	1454	1729
RuggieroBBMA09	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	A Constraint Programming Approach for Allocation and Scheduling on the CELL Broadband Engine	Yes	[89]	2008	CP 2008	15	7	23	370	864
BeniniLMR08	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[88]	2006	CPAIOR 2006	15	18	10	369	885
BeniniBGM06											

D.14 12 Works by Philippe Laborie

Table 38: Works from bibtex (Total 12)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
LunardiBLRV20 LunardiBLRV20	Willian T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem	Yes	[417]	2020	Computers Operations Research	20	30	18	1400	1594
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[375]	2018	CPAIOR 2018	9	18	10	505	727
LaborieRSV18 LaborieRSV18	P. Laborie, J. Rogerie, P. Shaw, P. Vilím	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	Yes	[376]	2018	Constraints An Int. J.	41	148	35	1385	1632
MelgarejoLS15 MelgarejoLS15	P. Aguiar-Melgarejo, P. Laborie, C. Solnon	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems	Yes	[11]	2015	CPAIOR 2015	17	14	17	535	778
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[628]	2015	CPAIOR 2015	17	31	19	622	783
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[94]	2009	Journal of Scheduling	30	58	20	1291	1722
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[374]	2009	CPAIOR 2009	15	53	2	504	854
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[47]	2006	Handbook of Constraint Programming	39	30	25	No	n/a
NeronABCDD06 NeronABCDD06	E. Néron, C. Artigues, P. Baptiste, J. Carlier, J. Damay, S. Demasse, P. Laborie	Lower Bounds for Resource Constrained Project Scheduling Problem	No	[485]	2006	Perspectives in Modern Project Scheduling	null	3	34	No	n/a
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[247]	2005	ICAPS 2005	9	0	0	445	901
Laborie03 Laborie03	P. Laborie	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results	Yes	[373]	2003	Artificial Intelligence	38	128	10	1384	1757
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[216]	2000	AIPS 2000	10	0	0	424	945

D.15 11 Works by Philippe Baptiste

Table 39: Works from bibtex (Total 11)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[46]	2018	Discret. Math. Appl.	10	3	13	1272	1621
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[45]	2009	CP 2009	1	0	0	349	852
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[47]	2006	Handbook of Constraint Programming	39	30	25	No	n/a
NeronABCDD06 NeronABCDD06	E. Néron, C. Artigues, P. Baptiste, J. Carlier, J. Damay, S. Demasse, P. Laborie	Lower Bounds for Resource Constrained Project Scheduling Problem	No	[485]	2006	Perspectives in Modern Project Scheduling	null	3	34	No	n/a
ArtiouchineB05 ArtiouchineB05	K. Artiouchine, P. Baptiste	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs	Yes	[34]	2005	CP 2005	15	3	11	344	893
Baptiste02 Baptiste02	P. Baptiste	Résultats de complexité et programmation par contraintes pour l'ordonnancement	Yes	[44]	2002	Université de Technologie de Compiègne	237	0	0	2842	n/a
BaptistePN01 BaptistePN01	P. Baptiste, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling	No	[50]	2001	Book	null	296	0	No	n/a
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[49]	2000	Constraints An Int. J.	21	46	0	1273	1768
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[499]	1998	Constraints An Int. J.	25	14	0	1440	1783
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[48]	1997	CP 1997	15	8	10	351	954
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[498]	1997	PACT 1997	20	0	0	No	958

D.16 11 Works by Roman Barták

Table 40: Works from bibtex (Total 11)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
SvancaraB22 SvancaraB22	J. Svancara, R. Barták	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling	Yes	[576]	2022	ICAART 2022	8	0	0	591	673
JelinekB16 JelinekB16	J. Jelínek, R. Barták	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station	Yes	[329]	2016	PADL 2016	10	0	5	479	758
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[59]	2015	ICAART 2015	12	0	0	355	767
Bartak14 Bartak14	R. Barták	Planning and Scheduling	No	[55]	2014	Computing Handbook, Third Edition: Computer Science and Software Engineering	null	0	0	No	n/a
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[57]	2011	Constraints An Int. J.	5	17	3	1275	1697
BartakCS10 BartakCS10	R. Barták, O. Cepek, P. Surynek	Discovering implied constraints in precedence graphs with alternatives	Yes	[56]	2010	Annals of Operations Research	31	2	9	1274	1712
BartakSR10 BartakSR10	R. Barták, Miguel A. Salido, F. Rossi	New trends in constraint satisfaction, planning, and scheduling: a survey	Yes	[58]	2010	Knowl. Eng. Rev.	31	28	47	1276	1713
VilimBC05 VilimBC05	P. Vilím, R. Barták, O. Cepek	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities	Yes	[627]	2005	Constraints An Int. J.	23	21	5	1484	1751
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[626]	2004	CP 2004	15	13	4	621	921
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[54]	2002	CP 2002	16	6	4	353	931
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[53]	2002	ERCIM/CologNet 2002	15	1	9	354	932

D.17 11 Works by Petr Vilím

Table 41: Works from bibtex (Total 11)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
LaborieRSV18 LaborieRSV18	P. Laborie, J. Rogerie, P. Shaw, P. Vilím	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	Yes	[376]	2018	Constraints An Int. J.	41	148	35	1385	1632
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[628]	2015	CPAIOR 2015	17	31	19	622	783
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[625]	2011	CPAIOR 2011	16	28	6	620	838
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$	Yes	[623]	2009	CP 2009	15	25	4	618	859
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[624]	2009	CPAIOR 2009	15	13	4	619	860
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[622]	2005	CPAIOR 2005	14	5	8	617	908
VilimBC05 VilimBC05	P. Vilím, R. Barták, O. Cepek	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities	Yes	[627]	2005	Constraints An Int. J.	23	21	5	1484	1751
Vilim04 Vilim04	P. Vilím	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint	Yes	[621]	2004	CPAIOR 2004	13	22	5	616	920
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[626]	2004	CP 2004	15	13	4	621	921
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[620]	2003	CP 2003	1	1	1	615	929
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[619]	2002	CP 2002	1	6	1	614	939

D.18 11 Works by Mark Wallace

Table 42: Works from bibtex (Total 11)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
WallaceY20 WallaceY20	M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem	Yes	[634]	2020	Constraints An Int. J.	19	5	18	1487	1602
He0GLW18 He0GLW18	S. He, M. Wallace, G. Gange, A. Liebman, C. Wilson	A Fast and Scalable Algorithm for Scheduling Large Numbers of Devices Under Real-Time Pricing	Yes	[288]	2018	CP 2018	18	6	26	460	724
ThiruvadyWGS14 ThiruvadyWGS14	Dhananjay R. Thiruvady, M. Wallace, H. Gu, A. Schutt	A Lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows	Yes	[592]	2014	J. Heuristics	34	19	18	1475	1677
MilanoW09 MilanoW09	M. Milano, M. Wallace	Integrating Operations Research in Constraint Programming	Yes	[445]	2009	Annals of Operations Research	40	34	46	1411	1727
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[545]	2009	CP 2009	16	34	11	577	857
MilanoW06 MilanoW06	M. Milano, M. Wallace	Integrating operations research in constraint programming	Yes	[444]	2006	4OR	45	18	46	1410	1746
Wallace06 Wallace06	M. Wallace	Hybrid Algorithms in Constraint Programming	Yes	[633]	2006	CSCLP 2006	32	1	35	623	891
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[536]	2000	Constraints An Int. J.	30	73	0	1457	1773
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[525]	1998	CP 1998	15	19	10	570	953
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[632]	1996	Constraints An Int. J.	30	87	55	1486	1790
Wallace94 Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[631]	1994	Constraint Programming 1994	19	0	0	No	970

D.19 10 Works by Alessio Bonfietti

Table 43: Works from bibtex (Total 10)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
Bonfietti16 Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	Yes	[106]	2016	Intelligenza Artificiale CP 2016	13	0	19	1296	1646
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[113]	2016	CP 2016	17	0	11	384	749
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[403]	2015	CP 2015	16	0	8	520	777
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence CPAIOR 2014	28	8	15	1297	1671
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[111]	2014	CPAIOR 2014	16	3	12	382	789
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	381	800
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	380	814
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[112]	2012	DC SIAAI 2012	3	0	0	383	815
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[107]	2011	CP 2011	15	3	14	379	827
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[404]	2011	CPAIOR 2011	17	1	13	521	836

D.20 10 Works by Margaux Nattaf

Table 44: Works from bibtex (Total 10)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BonninMNE24 BonninMNE24 PenzDN23 PenzDN23	C. Bonnin, A. Malapert, M. Nattaf, M. Espinouse L. Penz, S. Dauzère-Pérès, M. Nattaf	Toward a Global Constraint for Minimizing the Flowtime Minimizing the sum of completion times on a single machine with health index and flexible maintenance operations	Yes	[114]	2024	ICORES 2024	12	0	0	385	647
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[471]	2020	CP 2020	16	0	6	547	698
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[427]	2019	CPAIOR 2019	17	1	7	532	713
NattafDYW19 NattafDYW19	M. Nattaf, S. Dauzère-Pérès, C. Yugma, C. Wu	Parallel machine scheduling with time constraints on machine qualifications	Yes	[469]	2019	Computers Operations Research	16	14	21	1422	1610
NattafHKAL19 NattafHKAL19	M. Nattaf, M. Horváth, T. Kis, C. Artigues, P. Lopez	Polyhedral results and valid inequalities for the continuous energy-constrained scheduling problem	Yes	[470]	2019	Discret. Math.	16	5	12	1423	1611
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[467]	2017	Constraints An Int. J.	18	5	10	1420	1641
Nattaf16 Nattaf16	M. Nattaf	Ordonnancement sous contraintes d'énergie	Yes	[465]	2016	UPS Toulouse - Université Toulouse 3 Paul Sabatier	199	0	0	2864	n/a
NattafALR16 NattafALR16	M. Nattaf, C. Artigues, P. Lopez, D. Rivreau	Energetic reasoning and mixed-integer linear programming for scheduling with a continuous resource and linear efficiency functions	Yes	[468]	2016	OR Spectr.	34	10	15	1421	1653
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[466]	2015	Constraints An Int. J.	21	14	13	1419	1664

D.21 10 Works by Pascal Van Hentenryck

Table 45: Works from bibtex (Total 10)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
FontaineMH16 FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[217]	2016	CPAIOR 2016	11	3	0	425	754
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[204]	2015	CP 2015	18	3	12	423	771
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[205]	2015	CoRR	16	0	0	1320	1659
SchausHMCMD11 SchausHMCMD11	P. Schaus, Pascal Van Hentenryck, J. Monette, C. Coffrin, L. Michel, Y. Deville	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Yes	[538]	2011	Constraints An Int. J.	23	14	5	1458	1708
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[449]	2009	ICAPS 2009	8	0	0	539	856
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[187]	2008	CPAIOR 2008	16	1	2	416	865
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[303]	2008	CPAIOR 2008	5	13	3	468	866
MercierH08 MercierH08	L. Mercier, Pascal Van Hentenryck	Edge Finding for Cumulative Scheduling	Yes	[440]	2008	INFORMS Journal on Computing	21	32	5	1409	1737
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[302]	2004	CPAIOR 2004	16	12	14	467	914
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[185]	1990	J. Log. Program.	19	86	9	1314	1795

D.22 9 Works by Claude Le Pape

Table 46: Works from bibtex (Total 9)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[47]	2006	Handbook of Constraint Programming	39	30	25	No	n/a
DannaP04 DannaP04	E. Danna, Claude Le Pape	Two Generic Schemes for Efficient and Robust Cooperative Algorithms	No	[162]	2004	Constraints and Integer Programming Book	null	2	34	No	n/a
BaptistePN01 BaptistePN01	P. Baptiste, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling	No	[50]	2001	Constraints An Int. J.	null	296	0	No	n/a
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[49]	2000	J. Heuristics	21	46	0	1273	1768
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[483]	1998	Constraints An Int. J.	16	42	0	1431	1782
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[499]	1998	CP 1997	25	14	0	1440	1783
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[48]	1997	PACT 1997	15	8	10	351	954
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[498]	1997	Intelligent Systems Engineering	20	0	0	No	958
Pape94 Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	Yes	[497]	1994		34	98	0	1441	1792

D.23 9 Works by Nysret Musliu

Table 47: Works from bibtex (Total 9)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Exact methods for the Oven Scheduling Problem	Yes	[378]	2023	Constraints An Int. J.	42	0	32	1386	1535
LacknerMMWW23	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[642]	2022	CP 2022	18	0	0	628	676
WinterMMW22	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[236]	2021	CPAIOR 2021	10	0	6	437	684
GeibingerKKMMW21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[239]	2021	AAAI 2021	9	0	0	439	685
GeibingerMM21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[377]	2021	CP 2021	18	0	0	506	690
LacknerMMWW21	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[238]	2019	CPAIOR 2019	16	6	15	438	710
GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming and Hybrid Methods for Real World Industrial Test Laboratory Scheduling	Yes	[237]	2019	CoRR	16	0	0	1509	1620
abs-1911-04766	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[459]	2018	CPAIOR 2018	17	7	23	546	728
abs-1911-04766	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[351]	2017	CPAIOR 2017	15	1	9	492	741
MusliuSS18											
MusliuSS18											
KletzanderM17											
KletzanderM17											

D.24 9 Works by Claude-Guy Quimper

Table 48: Works from bibtex (Total 9)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling	Yes	[118]	2022	CP 2022	16	0	0	387	664
BoudreaultSLQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[492]	2022	CPAIOR 2022	17	1	22	554	670
OuelletQ22 OuelletQ22	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[441]	2020	CPAIOR 2020	13	2	13	536	697
Mercier-AubinGQ20	H. Fahimi, Y. Ouellet, C. Quimper	Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last	Yes	[207]	2018	Constraints An Int. J.	22	2	20	1321	1624
FahimiOQ18	R. Kameugne, Séverine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[339]	2018	CPAIOR 2018	17	1	12	484	726
FahimiOQ18	Y. Ouellet, C. Quimper	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning	Yes	[491]	2018	CPAIOR 2018	18	6	16	553	731
KameugneFGOQ18	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[246]	2016	IJCAI 2016	7	0	0	444	756
KameugneFGOQ18	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[93]	2014	CPAIOR 2014	16	1	3	372	787
OuelletQ18 OuelletQ18	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[490]	2013	CP 2013	16	12	14	552	809

D.25 9 Works by Tony T. Tran

Table 49: Works from bibtex (Total 9)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
TranPZLDB18 TranPZLDB18	Tony T. Tran, M. Padmanabhan, Peter Yun Zhang, H. Li, Douglas G. Down, J. Christopher Beck	Multi-stage resource-aware scheduling for data centers with heterogeneous servers	Yes	[604]	2018	Journal of Scheduling	17	8	26	1480	1636
TranVNB17 TranVNB17	Tony T. Tran, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots	Yes	[606]	2017	J. Artif. Intell. Res.	68	12	0	1481	1644
TranVNB17a TranVNB17a	Tony T. Tran, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots (Extended Abstract)	Yes	[607]	2017	IJCAI 2017	5	1	0	609	746
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	Yes	[601]	2016	INFORMS Journal on Computing	13	72	28	1479	1656
TranDRFWOVB16 TranDRFWOVB16	Tony T. Tran, M. Do, Eleanor Gilbert Rieffel, J. Frank, Z. Wang, B. O’Gorman, D. Venturelli, J. Christopher Beck	A Hybrid Quantum-Classical Approach to Solving Scheduling Problems	Yes	[603]	2016	SOCS 2016	9	3	0	607	765
TranWDRFOVB16 TranWDRFOVB16	Tony T. Tran, Z. Wang, M. Do, Eleanor Gilbert Rieffel, J. Frank, B. O’Gorman, D. Venturelli, J. Christopher Beck	Explorations of Quantum-Classical Approaches to Scheduling a Mars Lander Activity Problem	Yes	[608]	2016	AAAI 2016	9	0	0	610	766
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[588]	2014	J. Artif. Intell. Res.	38	12	0	1474	1676
TranTDB13 TranTDB13	Tony T. Tran, D. Terekhov, Douglas G. Down, J. Christopher Beck	Hybrid Queueing Theory and Scheduling Models for Dynamic Environments with Sequence-Dependent Setup Times	Yes	[605]	2013	ICAPS 2013	9	0	0	608	812
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[602]	2012	ECAI 2012	6	0	0	606	824

D.26 8 Works by Mats Carlsson

Table 50: Works from bibtex (Total 8)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Yes	[640]	2020	CPAIOR 2020	10	2	11	627	702
WessenCS20											
MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling,	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[452]	2017	CP 2017	18	6	33	540	744
MossigeGSMC17	M. Carlsson										
LetortCB15	LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Yes	[389]	2015	Constraints An Int. J.	52	2	14	1388	1663
LetortCB13	LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	Yes	[388]	2013	CPAIOR 2013	16	3	10	510	806
LetortBC12	LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	Yes	[387]	2012	CP 2012	16	18	12	509	819
BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[80]	2011	Annals of Operations Research	24	8	8	1286	1699
BeldiceanuCDP11											
BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[81]	2008	CPAIOR 2008	15	8	9	365	863
BeldiceanuCP08											
BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[79]	2002	CP 2002	17	33	9	364	933
BeldiceanuC02											

D.27 8 Works by Thibaut Feydy

Table 51: Works from bibtex (Total 8)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[653]	2017	CP 2017	10	6	21	637	747
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[549]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	n/a
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[544]	2013	CP 2013	17	10	20	575	810
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[543]	2013	CPAIOR 2013	17	20	27	576	811
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[548]	2013	Journal of Scheduling	17	43	23	1462	1684
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[547]	2011	Constraints An Int. J.	33	57	23	1461	1709
abs-1009-0347 abs-1009-0347	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving the Resource Constrained Project Scheduling Problem with Generalized Precedences by Lazy Clause Generation	Yes	[546]	2010	CoRR	37	0	0	1505	1721
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[545]	2009	CP 2009	16	34	11	577	857

D.28 8 Works by Mark G. Wallace

Table 52: Works from bibtex (Total 8)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[549]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	n/a
GuSSWC14 GuSSWC14	H. Gu, A. Schutt, Peter J. Stuckey, Mark G. Wallace, G. Chu	Exact and Heuristic Methods for the Resource-Constrained Net Present Value Problem	No	[269]	2014	Handbook on Project Management and Scheduling Vol.1	null	5	35	No	n/a
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[548]	2013	Journal of Scheduling	17	43	23	1462	1684
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[270]	2012	CP 2012	15	5	20	458	816
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[542]	2012	CPAIOR 2012	17	18	21	574	821
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[547]	2011	Constraints An Int. J.	33	57	23	1461	1709
abs-1009-0347 abs-1009-0347	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving the Resource Constrained Project Scheduling Problem with Generalized Precedences by Lazy Clause Generation	Yes	[546]	2010	CoRR	37	0	0	1505	1721
AjiliW04 AjiliW04	F. Ajili, Mark G. Wallace	Hybrid Problem Solving in ECLiPSe	No	[12]	2004	Constraint and Integer Programming	null	4	24	No	n/a

D.29 8 Works by Louis-Martin Rousseau

Table 53: Works from bibtex (Total 8)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
CappartTSR18 CappartTSR18	Q. Cappart, C. Thomas, P. Schaus, L. Rousseau	A Constraint Programming Approach for Solving Patient Transportation Problems	Yes	[131]	2018	CP 2018	17	6	31	392	722
DoulabiRP16 DoulabiRP16	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling	Yes	[191]	2016	INFORMS Journal on Computing	17	56	28	1315	1649
PesantRR15 PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	Yes	[505]	2015	CPAIOR 2015	16	1	7	559	780
DoulabiRP14 DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[190]	2014	CPAIOR 2014	9	3	10	417	793
MalapertCGJLR13 MalapertCGJLR13	A. Malapert, H. Cambazard, C. Gu��ret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	Yes	[426]	2013	ICAPS 2013	2	0	0	531	808
MalapertCGJLR12 MalapertCGJLR12	A. Malapert, H. Cambazard, C. Gu��ret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	Yes	[425]	2012	INFORMS Journal on Computing	17	23	21	1401	1690
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[146]	2011	CPAIOR 2011	6	5	12	398	828
HachemiGR11 HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[276]	2011	Annals of Operations Research	16	32	19	1344	1703

D.30 8 Works by Armin Wolf

Table 54: Works from bibtex (Total 8)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
GeitzGSSW22 GeitzGSSW22 Wolf11 Wolf11	M. Geitz, C. Grozea, W. Steigerwald, R. Stöhr, A. Wolf A. Wolf	Solving the Extended Job Shop Scheduling Problem with AGVs - Classical and Quantum Approaches Constraint-Based Modeling and Scheduling of Clinical Pathways	Yes Yes	[240] [645]	2022 2011	CPAIOR 2022 CSCLP 2011	18 17	0 5	24 19	440 632	665 839
SchuttW10 SchuttW10 Wolf09 Wolf09	A. Schutt, A. Wolf A. Wolf, G. Schrader	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints Linear Weighted-Task-Sum – Scheduling Prioritized Tasks on a Single Resource	Yes Yes	[551] [647]	2010 2009	CP 2010 INAP 2009	15 17	13 1	14 12	579 631	848 861
SchuttWS05 SchuttWS05 Wolf05 Wolf05	A. Schutt, A. Wolf, G. Schrader A. Wolf	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$ Better Propagation for Non-preemptive Single-Resource Constraint Problems	Yes Yes	[552] [644]	2005 2005	INAP 2005 CSCLP 2005	15 15	6 4	4 8	580 630	907 909
WolfS05 WolfS05 Wolf03 Wolf03	A. Wolf, G. Schrader A. Wolf	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application Pruning while Sweeping over Task Intervals	Yes Yes	[646] [643]	2005 2003	INAP 2005 CP 2003	14 15	6 11	6 7	633 629	910 930

D.31 7 Works by Diarmuid Grimes

Table 55: Works from bibtex (Total 7)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
AntunesABD20 AntunesABD20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[20]	2020	Int. J. Artif. Intell. Tools	31	0	16	1264	1586
AntunesABD18 AntunesABD18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[19]	2018	ICTAI 2018	8	1	24	335	718
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	Yes	[261]	2015	INFORMS Journal on Computing	17	12	41	1338	1661
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[263]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1339	1672
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[260]	2011	CP 2011	17	5	18	452	831
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[259]	2010	CPAIOR 2010	15	13	20	451	845
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[262]	2009	CP 2009	9	15	12	453	853

D.32 7 Works by Zdenek Hanzálek

Table 56: Works from bibtex (Total 7)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
Mehdizadeh-Somarin23 Mehdizadeh-Somarin23	Z. Mehdizadeh-Somarin, R. Tavakkoli-Moghaddam, M. Rohaninejad, Z. Hanzálek, Behdin Vahedi Nouri	A Constraint Programming Model for a Reconfigurable Job Shop Scheduling Problem with Machine Availability	Yes	[434]	2023	APMS 2023	14	0	0	534	655
abs-2305-19888 abs-2305-19888	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek	Constraint Programming and Constructive Heuristics for Parallel Machine Scheduling with Sequence-Dependent Setups and Common Servers	Yes	[300]	2023	CoRR	42	0	0	1512	1544
HeinzNVH22 HeinzNVH22	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers	Yes	[299]	2022	Computers Indus- trial Engineering	16	5	25	1354	1556
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[630]	2021	Computers Indus- trial Engineering	14	7	22	1485	1582
BenediktMH20 BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	Yes	[86]	2020	Constraints An Int. J.	19	1	18	1288	1589
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[87]	2018	CPAIOR 2018	10	2	12	368	721
KelbelH11 KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[345]	2011	Journal of Intelli- gent Manufacturing	10	12	14	1373	1705

D.33 7 Works by Roger Kameugne

Table 57: Works from bibtex (Total 7)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
KameugneFND23	R. Kameugne, Séverine Betmbe Fetgo, T.	Horizontally Elastic Edge Finder Rule for	Yes	[340]	2023	CP 2023	17	0	0	485	653
KameugneFND23	Noulamo, Clémentin Tayou Djamégni	Cumulative Constraint Based on Slack and Density									
ThomasKS20	C. Thomas, R. Kameugne, P. Schaus	Insertion Sequence Variables for Hybrid Routing and	Yes	[593]	2020	CPAIOR 2020	18	0	16	601	700
ThomasKS20		Scheduling Problems									
KameugneFGOQ18	R. Kameugne, Séverine Betmbe Fetgo, V.	Horizontally Elastic Not-First/Not-Last Filtering	Yes	[339]	2018	CPAIOR 2018	17	1	12	484	726
KameugneFGOQ18	Gingras, Y. Ouellet, C. Quimper	Algorithm for Cumulative Resource Constraint									
Kameugne15	R. Kameugne	Propagation techniques of resource constraint for	Yes	[338]	2015	Constraints An Int.	2	0	0	1371	1662
Kameugne15		cumulative scheduling				J.					
Kameugne14	R. Kameugne	Techniques de Propagation de la Contrainte de	Yes	[337]	2014	University of	139	0	0	2855	n/a
Kameugne14		Ressource en Ordonnancement Cumulatif				Yaounde I, Cameroon					
KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D.	A quadratic edge-finding filtering algorithm for	Yes	[342]	2014	Constraints An Int.	27	6	10	1372	1674
KameugneFSN14	Scott, Y. Ngo-Kateu	cumulative resource constraints				J.					
KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D.	A Quadratic Edge-Finding Filtering Algorithm for	Yes	[341]	2011	CP 2011	15	7	9	486	834
KameugneFSN11	Scott, Y. Ngo-Kateu	Cumulative Resource Constraints									

D.34 7 Works by András Kovács

Table 58: Works from bibtex (Total 7)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[360]	2011	Constraints An Int. J.	24	4	26	1378	1706
KovacsK11 KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[362]	2011	Constraints An Int. J.	24	3	24	1379	1707
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[359]	2008	Eng. Appl. Artif. Intell.	7	5	14	1377	1733
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[358]	2007	CPAIOR 2007	15	2	12	495	879
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[364]	2006	CPAIOR 2006	13	2	7	499	888
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[361]	2005	CP 2005	1	2	3	496	904
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[363]	2004	CP 2004	15	3	12	498	916

D.35 7 Works by Arnaud Malapert

Table 59: Works from bibtex (Total 7)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BonninMNE24 BonninMNE24	C. Bonnin, A. Malapert, M. Nattaf, M. Espinouse	Toward a Global Constraint for Minimizing the Flowtime	Yes	[114]	2024	ICORES 2024	12	0	0	385	647
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[471]	2020	CP 2020	16	0	6	547	698
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[427]	2019	CPAIOR 2019	17	1	7	532	713
MalapertCGJLR13 MalapertCGJLR13	A. Malapert, H. Cambazard, C. Gu��ret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	Yes	[426]	2013	ICAPS 2013	2	0	0	531	808
MalapertCGJLR12 MalapertCGJLR12	A. Malapert, H. Cambazard, C. Gu��ret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	Yes	[425]	2012	INFORMS Journal on Computing	17	23	21	1401	1690
Malapert11 Malapert11	A. Malapert	Techniques d'ordonnancement d'atelier et de fourn��es bas��es sur la programmation par contraintes. (Shop and batch scheduling with constraints)	Yes	[424]	2011	��cole des mines de Nantes, France	194	0	0	2861	n/a
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[262]	2009	CP 2009	9	15	12	453	853

D.36 7 Works by Barry O’Sullivan

Table 60: Works from bibtex (Total 7)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
ArmstrongGOS22	E. Armstrong, M. Garraffa, B. O’Sullivan, H. Simonis	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	Yes	[27]	2022	CPAIOR 2022	13	0	14	340	663
ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O’Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[26]	2021	CP 2021	18	1	0	339	680
AntunesABD20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O’Keeffe, Y. Lin, B. O’Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[20]	2020	Int. J. Artif. Intell. Tools	31	0	16	1264	1586
AntunesABD18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O’Keeffe, Y. Lin, B. O’Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[19]	2018	ICTAI 2018	8	1	24	335	718
HurleyOS16	B. Hurley, B. O’Sullivan, H. Simonis	ICON Loop Energy Show Case	Yes	[323]	2016	Data Mining and Constraint Programming - Foundations of a Cross-Disciplinary Approach	14	0	16	2888	n/a
GrimesIOS14	D. Grimes, G. Ifrim, B. O’Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[263]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1339	1672
IfrimOS12	G. Ifrim, B. O’Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[324]	2012	CP 2012	16	6	20	478	818

D.37 7 Works by Cemalettin Ozturk

Table 61: Works from bibtex (Total 7)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
GokPTGO23 GokPTGO23	Yagmur S. Gök, S. Padrón, M. Tomasella, D. Guimarans, C. Ozturk	Constraint-based robust planning and scheduling of airport apron operations through simheuristics	Yes	[275]	2023	Annals of Operations Research	36	0	0	1333	1530
OrnekOS20 OrnekOS20	M. Arslan Ornek, C. Ozturk, I. Sugut	Integer and constraint programming model formulations for flight-gate assignment problem	Yes	[489]	2022	Operational Research	29	0	0	1434	1564
AntunesABD20 AntunesABD20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O’Keeffe, Y. Lin, B. O’Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[20]	2020	Int. J. Artif. Intell. Tools	31	0	16	1264	1586
GokGSTO20 GokGSTO20	Yagmur S. Gök, D. Guimarans, Peter J. Stuckey, M. Tomasella, C. Ozturk	Robust Resource Planning for Aircraft Ground Operations	Yes	[251]	2020	CPAIOR 2020	17	2	14	447	694
AntunesABD18 AntunesABD18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O’Keeffe, Y. Lin, B. O’Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[19]	2018	ICTAI 2018	8	1	24	335	718
OrnekO16 OrnekO16	A. Ornek, C. Ozturk	Optimisation and Constraint Based Heuristic Methods for Advanced Planning and Scheduling Systems	Yes	[488]	2016	International Journal of Industrial Engineering: Theory, Applications and Practice	25	0	0	1433	1655
OzturkTHO10 OzturkTHO10	C. Ozturk, S. Tunalı, B. Hnich, Arslan M. Ornek	Simultaneous Balancing and Scheduling of Flexible Mixed Model Assembly Lines with Sequence-Dependent Setup Times	Yes	[494]	2010	Electronic Notes in Discrete Mathematics	8	15	1	1435	1719

D.38 7 Works by Gabriela P. Henning

Table 62: Works from bibtex (Total 7)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
NovaraNH16 NovaraNH16	Franco M. Novara, Juan M. Novas, Gabriela P. Henning	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation	Yes	[477]	2016	Computers Chemical Engineering	17	18	31	1425	1654
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[481]	2014	Expert Syst. Appl.	14	35	26	1429	1675
NovasH12 NovasH12	Juan M. Novas, Gabriela P. Henning	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations	Yes	[480]	2012	Computers Chemical Engineering	17	17	15	1428	1692
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[479]	2010	Computers Chemical Engineering	20	48	19	1427	1718
ZeballosQH10 ZeballosQH10	L. Zeballos, O. Quiroga, Gabriela P. Henning	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations	Yes	[663]	2010	Eng. Appl. Artif. Intell.	20	33	28	1498	1720
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[521]	2005	ICRA 2005	6	2	7	567	906
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[662]	2005	Inteligencia Artif.	10	0	0	1497	1752

D.39 6 Works by Yves Deville

Table 63: Works from bibtex (Total 6)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
DejemeppeD14 DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[175]	2014	CPAIOR 2014	9	0	7	411	790
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[321]	2014	CP 2014	16	5	7	477	796
SchausHMCMD11 SchausHMCMD11	P. Schaus, Pascal Van Hentenryck, J. Monette, C. Coffrin, L. Michel, Y. Deville	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Yes	[538]	2011	Constraints An Int. J.	23	14	5	1458	1708
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[449]	2009	ICAPS 2009	8	0	0	539	856
SchausD08 SchausD08	P. Schaus, Y. Deville	A Global Constraint for Bin-Packing with Precedences: Application to the Assembly Line Balancing Problem	Yes	[537]	2008	AAAI 2008	6	0	0	573	871
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[448]	2007	CPAIOR 2007	14	0	12	538	882

D.40 6 Works by Stefan Heinz

Table 64: Works from bibtex (Total 6)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[295]	2013	CPAIOR 2013	16	9	15	465	804
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[298]	2013	Constraints An Int. J.	36	7	31	1355	1680
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[294]	2012	CPAIOR 2012	17	8	21	464	817
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[296]	2012	Constraints An Int. J.	12	10	9	1356	1686
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[297]	2011	SEA 2011	10	5	12	466	832
BertholdHLS10 BertholdHLS10	T. Berthold, S. Heinz, Marco E. Lübbecke, Rolf H. Möhring, J. Schulz	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling	Yes	[92]	2010	CPAIOR 2010	5	28	10	371	842

D.41 6 Works by Wim Nuijten

Table 65: Works from bibtex (Total 6)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[47]	2006	Handbook of Con- straint Program- ming ICAPS 2005	39	30	25	No	n/a
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[247]	2005		9	0	0	445	901
BaptistePN01 BaptistePN01	P. Baptiste, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling	No	[50]	2001	Book	null	296	0	No	n/a
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[216]	2000	AIPS 2000	10	0	0	424	945
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[570]	2000	INFORMS Journal on Computing	12	7	14	1469	1776
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[483]	1998	J. Heuristics	16	42	0	1431	1782

D.42 6 Works by Erwin Pesch

Table 66: Works from bibtex (Total 6)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
MullerMKP22 MullerMKP22	D. Müller, Marcus Gerhard Müller, D. Kress, E. Pesch	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning	Yes	[455]	2022	European Journal of Operational Research	18	17	59	1415	1560
BlazewiczEP19 BlazewiczEP19	J. Blazewicz, Klaus H. Ecker, E. Pesch, G. Schmidt, M. Sterna, J. Weglarz	Constraint Programming and Disjunctive Scheduling	No	[97]	2019	Handbook on Scheduling	62	38	0	No	n/a
DomdorfPH03 DomdorfPH03	U. Domdorf, E. Pesch, Toản Phan Huy	Machine Learning by Schedule Decomposition — Prospects for an Integration of AI and OR Techniques for Job Shop Scheduling	No	[186]	2003	Advances in Evolutionary Computing	null	0	57	No	n/a
DorndorfHP99 DorndorfHP99	U. Dorndorf, Toản Phan Huy, E. Pesch	A Survey of Interval Capacity Consistency Tests for Time- and Resource-Constrained Scheduling	No	[188]	1999	Project Scheduling	null	18	20	No	n/a
DorndorfPH99 DorndorfPH99	U. Dorndorf, E. Pesch, Toản Phan Huy	Recent Developments in Scheduling	No	[189]	1999	Operations Research Proceedings 1999	null	0	34	No	946
BlazewiczDP96 BlazewiczDP96	J. Błażewicz, W. Domschke, E. Pesch	The job shop scheduling problem: Conventional and new solution techniques	Yes	[126]	1996	European Journal of Operational Research	33	344	127	1292	1788

D.43 6 Works by Emmanuel Poder

Table 67: Works from bibtex (Total 6)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BeldiceanuCDP11 BeldiceanuCDP11 abs-0907-0939 abs-0907-0939	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[80]	2011	Annals of Operations Research	24	8	8	1286	1699
	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[506]	2009	CoRR	12	0	0	1504	1731
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[81]	2008	CPAIOR 2008	15	8	9	365	863
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[507]	2008	ICAPS 2008	8	0	0	560	870
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	Yes	[82]	2007	CPAIOR 2007	15	4	7	366	874
PoderBS04 PoderBS04	E. Poder, N. Beldiceanu, E. Sanlaville	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption	Yes	[508]	2004	European Journal of Operational Research	16	7	8	1443	1753

D.44 6 Works by Vahid Roshanaei

Table 68: Works from bibtex (Total 6)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
NaderiRR23 NaderiRR23	B. Naderi, R. Ruiz, V. Roshanaei	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook	Yes	[464]	2023	INFORMS Journal on Computing	27	2	50	1418	1538
NaderiR22 NaderiR22	B. Naderi, V. Roshanaei	Critical-Path-Search Logic-Based Benders Decomposition Approaches for Flexible Job Shop Scheduling	No	[462]	2022	INFORMS Journal on Optimization	null	5	49	No	1563
NaderiRBAU21 NaderiRBAU21	B. Naderi, V. Roshanaei, Mehmet A. Begen, Dionne M. Aleman, David R. Urbach	Increased Surgical Capacity without Additional Resources: Generalized Operating Room Planning and Scheduling	No	[463]	2021	Production and Operations Management	null	22	61	No	1579
RoshanaeiBAUB20 RoshanaeiBAUB20	V. Roshanaei, Kyle E.C. Booth, Dionne M. Aleman, David R. Urbach, J. Christopher Beck	Branch-and-check methods for multi-level operating room planning and scheduling	Yes	[528]	2020	International Journal of Production Economics	19	24	43	1452	1600
RoshanaeiLAU17 RoshanaeiLAU17	V. Roshanaei, C. Luong, Dionne M. Aleman, D. Urbach	Propagating logic-based Benders' decomposition approaches for distributed operating room scheduling	Yes	[529]	2017	European Journal of Operational Research	17	61	46	1453	1642
RoshanaeiLAU17a RoshanaeiLAU17a	V. Roshanaei, C. Luong, Dionne M. Aleman, David R. Urbach	Collaborative Operating Room Planning and Scheduling	No	[530]	2017	INFORMS Journal on Computing	null	54	42	No	1643

D.45 5 Works by Cyrille Dejemeppe

Table 69: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
CauwelaertDS20 CauwelaertDS20	Sasha Van Cauwelaert, C. Dejemeppe, P. Schaus	An Efficient Filtering Algorithm for the Unary Resource Constraint with Transition Times and Optional Activities	Yes	[143]	2020	Journal of Scheduling	19	2	21	1304	1590
CauwelaertDMS16 CauwelaertDMS16 Dejemeppe16 Dejemeppe16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus C. Dejemeppe	Efficient Filtering for the Unary Resource with Family-Based Transition Times Constraint programming algorithms and models for scheduling applications	Yes Yes	[141] [173]	2016 2016	CP 2016 Catholic University of Louvain, Louvain-la-Neuve, Belgium	16 274	1 0	12 0	396 2846	753 n/a
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[174]	2015	CP 2015	16	5	11	410	770
DejemeppeD14 DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[175]	2014	CPAIOR 2014	9	0	7	411	790

D.46 5 Works by Sophie Demassey

Table 70: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[80]	2011	Annals of Operations Research	24	8	8	1286	1699
BeldiceanuCDP11	F. Hermenier, S. Demassey, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[304]	2011	CP 2011	15	28	5	469	833
HermenierDL11	E. Néron, C. Artigues, P. Baptiste, J. Carlier, J. Damay, S. Demassey, P. Laborie	Lower Bounds for Resource Constrained Project Scheduling Problem	No	[485]	2006	Perspectives in Modern Project Scheduling	null	3	34	No	n/a
NeronABCDD06	S. Demassey, C. Artigues, P. Michelon	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem	Yes	[177]	2005	INFORMS Journal on Computing	18	43	25	1313	1749
NeronABCDD06	S. Demassey	Méthodes hybrides de programmation par contraintes et programmation linéaire pour le problème d'ordonnancement de projet à contraintes de ressources. (Hybrid Constraint Programming-Integer Linear Programming approaches for the Resource-Constrained Project Scheduling Problem)	Yes	[176]	2003	University of Avignon, France	148	0	0	2847	n/a

D.47 5 Works by Ignacio E. Grossmann

Table 71: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
HarjunkoskiMBC14 HarjunkoskiMBC14	I. Harjunkoski, Christos T. Maravelias, P. Bongers, Pedro M. Castro, S. Engell, Ignacio E. Grossmann, John N. Hooker, C. Méndez, G. Sand, J. Wassick	Scope for industrial applications of production scheduling models and solution methods	Yes	[283]	2014	Computers Chemical Engineering	33	381	176	1350	1673
CastroGR10 CastroGR10	Pedro M. Castro, Ignacio E. Grossmann, L. Rousseau	Decomposition Techniques for Hybrid MILP/CP Models applied to Scheduling and Routing Problems	No	[139]	2010	Hybrid Optimization	null	0	67	No	n/a
MaraveliasG04 MaraveliasG04	Christos T. Maravelias, Ignacio E. Grossmann	Using MILP and CP for the Scheduling of Batch Chemical Processes	Yes	[430]	2004	CPAIOR 2004	20	15	15	533	918
HarjunkoskiG02 HarjunkoskiG02	I. Harjunkoski, Ignacio E. Grossmann	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods	Yes	[282]	2002	Computers Chemical Engineering	20	169	11	1349	1759
JainG01 JainG01	V. Jain, Ignacio E. Grossmann	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems	Yes	[327]	2001	INFORMS Journal on Computing	19	279	23	1366	1764

D.48 5 Works by Hanyu Gu

Table 72: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
EtminaniesfahaniGNMS22 EtminaniesfahaniGNMS22	A. Etminaniesfahani, H. Gu, Leila Moslemi Naeni, A. Salehipour	A Forward-Backward Relax-and-Solve Algorithm for the Resource-Constrained Project Scheduling Problem	Yes	[203]	2022	SN Computer Science	10	0	57	1319	1553
GuSSWC14 GuSSWC14	H. Gu, A. Schutt, Peter J. Stuckey, Mark G. Wallace, G. Chu	Exact and Heuristic Methods for the Resource-Constrained Net Present Value Problem	No	[269]	2014	Handbook on Project Management and Scheduling Vol.1	null	5	35	No	n/a
ThiruvadyWGS14 ThiruvadyWGS14	Dhananjay R. Thiruvady, M. Wallace, H. Gu, A. Schutt	A Lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows	Yes	[592]	2014	J. Heuristics	34	19	18	1475	1677
GuSS13 GuSS13	H. Gu, A. Schutt, Peter J. Stuckey	A Lagrangian Relaxation Based Forward-Backward Improvement Heuristic for Maximising the Net Present Value of Resource-Constrained Projects	Yes	[268]	2013	CPAIOR 2013	7	10	24	457	803
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[270]	2012	CP 2012	15	5	20	458	816

D.49 5 Works by Brahim Hnich

Table 73: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
GokgurHO18 GokgurHO18	B. Gökgür, B. Hnich, S. Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	Yes	[252]	2018	International Journal of Production Research	17	31	43	1334	1626
OzturkTHO15 OzturkTHO15	C. Öztürk, S. Tunali, B. Hnich, A. Örnek	Cyclic scheduling of flexible mixed model assembly lines with parallel stations	Yes	[678]	2015	Journal of Manufacturing Systems	12	27	17	1438	1665
OzturkTHO13 OzturkTHO13	C. Öztürk, S. Tunali, B. Hnich, M. Arslan Ornek	Balancing and scheduling of flexible mixed model assembly lines	Yes	[495]	2013	Constraints An Int. J.	36	31	44	1437	1683
OzturkTHO10 OzturkTHO10	C. Ozturk, S. Tunali, B. Hnich, Arslan M. Ornek	Simultaneous Balancing and Scheduling of Flexible Mixed Model Assembly Lines with Sequence-Dependent Setup Times	Yes	[494]	2010	Electronic Notes in Discrete Mathematics	8	15	1	1435	1719
RossiTHP07 RossiTHP07	R. Rossi, A. Tarim, B. Hnich, Steven D. Prestwich	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost	Yes	[531]	2007	CPAIOR 2007	15	6	10	571	883

D.50 5 Works by Narendra Jussien

Table 74: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
MalapertCGJLR13	A. Malapert, H. Cambazard, C. Gu��ret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	Yes	[426]	2013	ICAPS 2013	2	0	0	531	808
MalapertCGJLR12	A. Malapert, H. Cambazard, C. Gu��ret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	Yes	[425]	2012	INFORMS Journal on Computing	17	23	21	1401	1690
ClercqPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[152]	2011	CP 2011	16	3	11	402	829
ElkhyariGJ02	A. Elkhyari, C. Gu��ret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems	Yes	[198]	2002	CP 2002	6	1	6	420	934
ElkhyariGJ02a	A. Elkhyari, C. Gu��ret, N. Jussien	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools	Yes	[199]	2002	PATAT 2002	24	9	20	421	935

D.51 5 Works by Juan M. Novas

Table 75: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[478]	2019	Computers Industrial Engineering	13	30	29	1426	1613
NovaraNH16 NovaraNH16	Franco M. Novara, Juan M. Novas, Gabriela P. Henning	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation	Yes	[477]	2016	Computers Chemical Engineering	17	18	31	1425	1654
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[481]	2014	Expert Syst. Appl.	14	35	26	1429	1675
NovasH12 NovasH12	Juan M. Novas, Gabriela P. Henning	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations	Yes	[480]	2012	Computers Chemical Engineering	17	17	15	1428	1692
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[479]	2010	Computers Chemical Engineering	20	48	19	1427	1718

D.52 5 Works by Kenneth N. Brown

Table 76: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
AntunesABD20 AntunesABD20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[20]	2020	Int. J. Artif. Intell. Tools	31	0	16	1264	1586
AntunesABD18 AntunesABD18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[19]	2018	ICTAI 2018	8	1	24	335	718
MurphyMB15 MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System	Yes	[457]	2015	CP 2015	17	1	20	544	779
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	Yes	[650]	2009	Computers Opera- tions Research	9	42	5	1490	1730
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[649]	2005	CP 2005	1	0	0	635	911

D.53 5 Works by Bahman Naderi

Table 77: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
NaderiRR23 NaderiRR23	B. Naderi, R. Ruiz, V. Roshanaei	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook	Yes	[464]	2023	INFORMS Journal on Computing	27	2	50	1418	1538
NaderiBZ22 NaderiBZ22	B. Naderi, Mehmet A. Begen, G. Zhang	Integrated Order Acceptance and Resource Decisions Under Uncertainty: Robust and Stochastic Approaches	Yes	[461]	2022	SSRN Electronic Journal	29	0	44	1416	1561
NaderiBZ22a NaderiBZ22a	B. Naderi, Mehmet A. Begen, Gregory S. Zaric	Type-2 integrated process-planning and scheduling problem: Reformulation and solution algorithms	Yes	[460]	2022	Computers Operations Research	19	3	44	1417	1562
NaderiR22 NaderiR22	B. Naderi, V. Roshanaei	Critical-Path-Search Logic-Based Benders Decomposition Approaches for Flexible Job Shop Scheduling	No	[462]	2022	INFORMS Journal on Optimization	null	5	49	No	1563
NaderiRBAU21 NaderiRBAU21	B. Naderi, V. Roshanaei, Mehmet A. Begen, Dionne M. Aleman, David R. Urbach	Increased Surgical Capacity without Additional Resources: Generalized Operating Room Planning and Scheduling	No	[463]	2021	Production and Operations Management	null	22	61	No	1579

D.54 5 Works by Mohamed Siala

Table 78: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
AntunesABD20 AntunesABD20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[20]	2020	Int. J. Artif. Intell. Tools	31	0	16	1264	1586
AntunesABD18 AntunesABD18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[19]	2018	ICTAI 2018	8	1	24	335	718
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[558]	2015	Constraints An Int. J.	2	4	0	1465	1667
Siala15a Siala15a	M. Siala	Search, propagation, and learning in sequencing and scheduling problems. (Recherche, propagation et apprentissage dans les problèmes de séquençement et d'ordonnancement)	Yes	[559]	2015	INSA France Toulouse,	199	0	0	2866	n/a
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[560]	2015	CP 2015	10	4	17	582	782

D.55 5 Works by Marek Vlk

Table 79: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
abs-2305-19888 abs-2305-19888	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek	Constraint Programming and Constructive Heuristics for Parallel Machine Scheduling with Sequence-Dependent Setups and Common Servers	Yes	[300]	2023	CoRR	42	0	0	1512	1544
HeinzNVH22 HeinzNVH22	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers	Yes	[299]	2022	Computers Industrial Engineering	16	5	25	1354	1556
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[630]	2021	Computers Industrial Engineering	14	7	22	1485	1582
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[87]	2018	CPAIOR 2018	10	2	12	368	721
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[59]	2015	ICAART 2015	12	0	0	355	767

D.56 5 Works by Nic Wilson

Table 80: Works from bibtex (Total 5)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
AntunesABD20 AntunesABD20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[20]	2020	Int. J. Artif. Intell. Tools	31	0	16	1264	1586
AntunesABD18 AntunesABD18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[19]	2018	ICTAI 2018	8	1	24	335	718
BeckW07 BeckW07	J. Christopher Beck, N. Wilson	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations	Yes	[73]	2007	J. Artif. Intell. Res.	50	27	0	1282	1739
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[72]	2005	IJCAI 2005	6	0	0	362	894
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[71]	2004	ECAI 2004	5	0	0	361	913

E Other Works

E.1 Books from bibtex

Table 81: Works from bibtex (Total 3)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
ArtiguesDN08 ArtiguesDN08	P. Baptiste, Claude Le Pape, W. Nuijten	Resource Constrained Project Scheduling	No	[31]	2008	Book	null	63	0	No	n/a
BaptistePN01 BaptistePN01		Constraint-Based Scheduling	No	[50]	2001	Book	null	296	0	No	n/a
Hooker00 Hooker00	John N. Hooker	Logic Based Methods for Optimization: Combining Optimization and Constraint Satisfaction	No	[308]	2000	Book	null	185	0	No	n/a

E.2 PhDThesis from bibtex

Table 82: Works from bibtex (Total 27)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
Astrand21 Astrand21	M. Åstrand	Short-term Underground Mine Scheduling: An Industrial Application of Constraint Programming	Yes	[35]	2021	Royal Institute of Technology, Stockholm, Sweden	142	0	0	2841	n/a
Godet21a Godet21a	A. Godet	Sur le tri de tâches pour résoudre des problèmes d'ordonnancement avec la programmation par contraintes. (On the use of tasks ordering to solve scheduling problems with constraint programming)	Yes	[248]	2021	IMT Atlantique Bretagne Pays de la Loire, Brest, France	168	0	0	2853	n/a
Groleaz21 Groleaz21	L. Groleaz	The Group Cumulative Scheduling Problem	Yes	[264]	2021	Université de Lyon	153	0	0	2854	n/a
Lemos21 Lemos21	Alexandre Duarte de Almeida Lemos	Solving scheduling problems under disruptions	Yes	[385]	2021	UNIVERSIDADE DE LISBOA INSTITUTO SUPERIOR TÉCNICO	188	0	0	2857	n/a
Zahout21 Zahout21	B. Zahout	Algorithmes exacts et approchés pour l'ordonnancement des travaux multiressources à intervalles fixes dans des systèmes distribués : approche monocritère et multiagent	Yes	[659]	2021	Université de Tours - LIFAT	185	0	0	2867	n/a
Lunardi20 Lunardi20	Willian Tessaro Lunardi	A Real-World Flexible Job Shop Scheduling Problem With Sequencing Flexibility: Mathematical Programming, Constraint Programming, and Metaheuristics	Yes	[418]	2020	University of Luxembourg, Luxembourg City, Luxembourg	181	0	0	2860	n/a
Caballero19 Caballero19	Jordi Coll Caballero	Scheduling Through Logic-Based Tools	Yes	[127]	2019	Universitat de Girona, Spain	194	0	0	2844	n/a
German18 German18	G. German	Constraint programming for lot-sizing problems	Yes	[242]	2018	Université Grenoble Alpes	112	0	0	2852	n/a
Dejemeppe16 Dejemeppe16	C. Dejemeppe	Constraint programming algorithms and models for scheduling applications	Yes	[173]	2016	Catholic University of Louvain, Louvain-la-Neuve, Belgium	274	0	0	2846	n/a
Fahimi16 Fahimi16	H. Fahimi	Efficient algorithms to solve scheduling problems with a variety of optimization criteria	Yes	[206]	2016	Université Laval, Quebec, Canada	120	0	0	2850	n/a
Froger16 Froger16	A. Froger	Maintenance scheduling in the electricity industry : a particular focus on a problem rising in the onshore wind industry	Yes	[224]	2016	Université d'Angers	181	0	0	2851	n/a
Nattaf16 Nattaf16	M. Nattaf	Ordonnancement sous contraintes d'énergie	Yes	[465]	2016	UPS Toulouse - Université Toulouse 3 Paul Sabatier	199	0	0	2864	n/a
Derrien15 Derrien15	A. Derrien	Ordonnancement cumulatif en programmation par contraintes : caractérisation énergétique des raisonnements et solutions robustes. (Cumulative scheduling in constraint programming : energetic characterization of reasoning and robust solutions)	Yes	[179]	2015	École des mines de Nantes, France	113	0	0	2848	n/a
Siala15a Siala15a	M. Siala	Search, propagation, and learning in sequencing and scheduling problems. (Recherche, propagation et apprentissage dans les problèmes de séquençement et d'ordonnancement)	Yes	[559]	2015	INSA Toulouse, France	199	0	0	2866	n/a
Kameugne14 Kameugne14	R. Kameugne	Techniques de Propagation de la Contrainte de Ressource en Ordonnancement Cumulatif	Yes	[337]	2014	University of Yaounde I, Cameroon	139	0	0	2855	n/a
Letort13 Letort13	A. Letort	Passage à l'échelle pour les contraintes d'ordonnancement multi-ressources	Yes	[386]	2013	Ecole des Mines de Nantes	132	0	0	2858	n/a

Table 82: Works from bibtex (Total 27)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
Clerc12 Clercq12	Alexis de Clercq	Ordonnancement cumulatif avec dépassements de capacité : Contrainte globale et décompositions	Yes	[170]	2012	Ecole des Mines de Nantes	196	0	0	2845	n/a
Malapert11 Malapert11	A. Malapert	Techniques d'ordonnancement d'atelier et de fournées basées sur la programmation par contraintes. (Shop and batch scheduling with constraints)	Yes	[424]	2011	École des mines de Nantes, France	194	0	0	2861	n/a
Menana11 Menana11	J. Menana	Automates et programmation par contraintes pour la planification de personnel. (Automata and Constraint Programming for Personnel Scheduling Problems)	Yes	[436]	2011	University of Nantes, France	148	0	0	2863	n/a
Schutt11 Schutt11	A. Schutt	Improving Scheduling by Learning	Yes	[541]	2011	University of Melbourne, Australia	209	0	0	2865	n/a
Lombardi10 Lombardi10	M. Lombardi	Hybrid Methods for Resource Allocation and Scheduling Problems in Deterministic and Stochastic Environments	Yes	[402]	2010	University of Bologna, Italy	175	0	0	2859	n/a
Malik08 Malik08	Abid M. Malik	Constraint Programming Techniques for Optimal Instruction Scheduling	Yes	[428]	2008	University of Waterloo, Ontario, Canada	151	0	0	2862	n/a
Demasse03 Demasse03	S. Demasse	Méthodes hybrides de programmation par contraintes et programmation linéaire pour le problème d'ordonnancement de projet à contraintes de ressources. (Hybrid Constraint Programming-Integer Linear Programming approaches for the Resource-Constrained Project Scheduling Problem)	Yes	[176]	2003	University of Avignon, France	148	0	0	2847	n/a
Elkhyari03 Elkhyari03	A. Elkhyari	Outils d'aide à la décision pour des problèmes d'ordonnancement dynamiques	Yes	[197]	2003	Université de Nantes	333	0	0	2849	n/a
Baptiste02 Baptiste02	P. Baptiste	Résultats de complexité et programmation par contraintes pour l'ordonnancement	Yes	[44]	2002	Université de Technologie de Compiègne	237	0	0	2842	n/a
Layfield02 Layfield02	Colin J. Layfield	A constraint programming pre-processor for duty scheduling	Yes	[384]	2002	University of Leeds, UK	230	0	0	2856	n/a
Beck99 Beck99	J. Christopher Beck	Texture measurements as a basis for heuristic commitment techniques in constraint-directed scheduling	Yes	[62]	1999	University of Toronto, Canada	418	0	0	2843	n/a

Table 83: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Astrand21 [35]	142	distributed, due-date, job-shop, flow-shop, resource, transportation, open-shop, machine, job, re-scheduling, precedence, order, inventory, tardiness, activity, setup-time, preempt, release-date, scheduling, make-span, completion-time, task, sequence dependent setup	RCPSP, parallel machine, HFS, single machine	cumulative, alldifferent, cycle, circuit, disjunctive, Disjunctive constraint, Reified constraint	C++, Julia	Cplex, OPL, Gecode	satellite, drone, agri-culture, semiconductor, robot	mineral industry, mining industry, maritime industry, potash industry, shipping industry	real-world, generated instance, real-life, benchmark	time-tabling, not-first, not-last, edge-finding, NEH	2814	n/a
Baptiste02 [44]	237	re-scheduling, resource, release-date, scheduling, preempt, flow-time, task, job-shop, machine, activity, make-span, flow-shop, job, completion-time, precedence, distributed, inventory, no preempt, setup-time, due-date, open-shop, tardiness, order, lateness, earliness, cmax, sequence dependent setup	Open Shop Scheduling Problem, PJSSP, HFS, single machine, RCPSP, OSSP, parallel machine, JSSP	cumulative, circuit, disjunctive, Cardinality constraint, Disjunctive constraint, alternative constraint, table constraint, Arithmetic constraint	Prolog, C++	Choco Solver, Claire, Ilog Solver, OPL, CHIP, ECLiPSe, Ilog Scheduler, Z3	hoist		real-life, generated instance, benchmark	not-first, energetic reasoning, not-last, edge-finding	2838	n/a
Beck99 [62]	418	due-date, multi-agent, order, distributed, preempt, scheduling, inventory, machine, release-date, job-shop, task, tardiness, activity, transportation, stock level, precedence, make-span, re-scheduling, resource, job, producer/consumer	single machine	cumulative, Disjunctive constraint, circuit, disjunctive	Prolog, C++	Ilog Solver, CHIP, Ilog Scheduler, OPL	robot, medical		benchmark, real-world	not-last, edge-finding, not-first	2840	n/a
Caballero19 [127]	194	resource, machine, setup-time, preempt, lazy clause generation, task, order, activity, distributed, precedence, release-date, cmax, make-span, scheduling, completion-time	psplib, RCPSP	alldifferent, circuit, Cardinality constraint, cycle, Arithmetic constraint, cumulative	C++	SCIP, CHIP, Z3, CPO, Chuffed, MiniZinc, OPL			benchmark, real-life, instance generator	energetic reasoning, GRASP, time-tabling, edge-finding, bi-partite matching	2820	n/a
Clerc12 [170]	196	task, order, machine, job, manpower, activity, job-shop, make-span, resource, scheduling, due-date	psplib	Cumulatives constraint, alldifferent, cumulative, disjunctive, SoftCumulativeSum, circuit, SoftCumulative	Prolog	ECLiPSe, SICStus, Choco Solver, CHIP, Gecode	patient		benchmark	not-last, energetic reasoning, edge-finding, sweep, time-tabling, not-first	2830	n/a

Table 83: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Dejemeppe16 [173]	274	make-span, sequence dependent setup, open-shop, order, job, activity, continuous-process, machine, preempt, release-date, flow-shop, batch process, tardiness, scheduling, completion-time, re-scheduling, resource, setup-time, earliness, due-date, no-wait, task, job-shop, lateness, precedence	PTC, psplib, single machine, RCPSP	disjunctive, cumulative, Element constraint, Reified constraint, Cumulatives constraint, alldifferent, GCC constraint, cycle, circuit, Disjunctive constraint, Cardinality constraint, Regular constraint		Ilog Solver, OPL, Gecode, CHIP, OR-Tools, CPO	medical, patient, super-computer, nurse, physician, robot, container terminal	paper industry	benchmark, instance generator, generated instance, industrial partner, random instance, real-world, bitbucket	not-first, not-last, sweep, edge-finding	2822	n/a
Demasse03 [176]	148	machine, job, precedence, Benders Decomposition, release-date, job-shop, open-shop, activity, flow-shop, order, resource, scheduling, preempt, task	single machine, CuSP, psplib, RCPSP, TCSP	circuit, cumulative, disjunctive, cycle	C++	Cplex, Claire, Ilog Solver			benchmark	not-last, edge-finding, time-tabling, not-first	2836	n/a
Derrien15 [179]	113	scheduling, precedence, order, make-span, task, activity, job-shop, resource, machine, job, preempt, open-shop	psplib, CuSP	Disjunctive constraint, cumulative, alldifferent, circuit, disjunctive		Claire, Choco Solver	robot		benchmark	edge-finding, sweep, time-tabling, energetic reasoning	2826	n/a
Elkhyari03 [197]	333	scheduling, task, job-shop, machine, activity, make-span, flow-shop, cmax, open-shop, tardiness, order, preempt, re-scheduling, resource, job, precedence, release-date	RCPSP, CuSP, parallel machine, Temporal Constraint Satisfaction Problem, single machine	cycle, cumulative, disjunctive		CPO, Choco Solver, Claire			benchmark, Roadef	time-tabling	2837	n/a
Fahimi16 [206]	120	completion-time, flow-shop, precedence, batch process, setup-time, due-date, task, open-shop, order, make-span, machine, job, activity, resource, lateness, job-shop, transportation, sequence dependent setup, preempt, tardiness, scheduling, Benders Decomposition	single machine, CuSP, parallel machine, RCPSP	Disjunctive constraint, Cardinality constraint, Cumulatives constraint, alldifferent, cycle, AllD-iff constraint, cumulative, alternative constraint, disjunctive	Java, C++	Choco Solver, CHIP, Ilog Scheduler, Gecode	aircraft		benchmark, random instance, real-world, Roadef	time-tabling, not-first, not-last, energetic reasoning, edge-finding, max-flow, sweep	2823	n/a

Table 83: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Froger16 [224]	181	preempt, distributed, resource, inventory, scheduling, Benders Decomposition, batch process, re-scheduling, task, order, completion-time, machine, job, manpower, release-date, transportation	single machine, CuSP, TMS	disjunctive, cycle, cumulative	Java	Gurobi, OZ, Choco Solver	satellite, energy-price, offshore	power industry, electricity industry, energy industry, wind industry	benchmark, real-life, real-world, industrial partner, instance generator, RoaDef, generated instance	max-flow	2824	n/a
German18 [242]	112	stock level, setup-time, job, task, activity, earliness, machine, resource, job-shop, cmax, order, inventory, scheduling		Disjunctive constraint, Cardinality constraint, bin-packing, Balance constraint, cumulative, Among constraint, disjunctive	Prolog	Z3, SICS-tus, OPL, Choco Solver, Cplex	nurse		real-world, benchmark, real-life, CSPLib, generated instance		2821	n/a
Godet21a [248]	168	open-shop, release-date, make-span, transportation, machine, lazy clause generation, distributed, resource, lateness, job-shop, flow-shop, precedence, cmax, preempt, due-date, order, scheduling, Benders Decomposition, completion-time, job, task, activity	single machine, RCPSP, parallel machine, JSSP, PMSP, psplib	AllDiff constraint, bin-packing, GeneralizedAllDiff-Prec, disjunctive, BinPacking constraint, cumulative, AllDiffPrec constraint, Disjunctive constraint, Element constraint, alldifferent, Cardinality constraint, cycle		OR-Tools, OPL, Claire, Choco Solver, Chuffed, MiniZinc, CHIP	satellite, robot, railway	electricity industry	real-life, github, generated instance, benchmark, random instance	sweep, time-tabling, edge-finding	2815	n/a
Groleaz21 [264]	153	inventory, tardiness, activity, setup-time, preempt, release-date, earliness, scheduling, make-span, completion-time, task, sequence dependent setup, distributed, due-date, job-shop, flow-shop, resource, transportation, cmax, open-shop, machine, job, lateness, re-scheduling, precedence, order	Open Shop Scheduling Problem, single machine, GCSP, RCPSP, OSP, parallel machine	circuit, disjunctive, Disjunctive constraint, span constraint, cumulative, cycle, noOverlap	Julia, Java	Choco Solver, Z3, OPL, OR-Tools, Gurobi, CPO, Gecode, SCIP, Cplex	dairy, robot, automotive	food industry, agrifood industry, dairy industry	benchmark, real-life	edge-finding, not-first, not-last	2816	n/a
Kameugne14 [337]	139	resource, job, scheduling, task, job-shop, machine, make-span, flow-shop, completion-time, order, preempt	RCPSP, CuSP, parallel machine, psplib	circuit, Disjunctive constraint, Cumulatives constraint, Balance constraint, cumulative, disjunctive	Java, Prolog, C++	Choco Solver, Claire, Gecode, CHIP, ECLiPSe, SICStus, Cplex, Mistral			RoaDef	not-last, edge-finder, energetic reasoning, time-tabling, edge-finding, not-first	2828	n/a

Table 83: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Layfield02 [384]	230				C	OPL, Z3, OZ,					2839	n/a
Lemos21 [385]	188	transportation, precedence, job-shop, machine, re-scheduling, distributed, multi-agent, task, job, order, resource, scheduling	RCPSP	cycle, alldifferent, cumulative, Cardinality constraint	Java, C++, Python	OPL, Gurobi, Cplex	surgery, COVID, medical, crew-scheduling, railway	railway industry	real-world, github, real-life, benchmark, Roadeff	GRASP, time-tabling	2817	n/a
Letort13 [386]	132	machine, resource, job-shop, precedence, cmax, order, scheduling, job, task	psplib	bin-packing, alldifferent, cumulative, geost, Cumulatives constraint, disjunctive	Java, Prolog	SICStus, Claire, Choco Solver, CHIP	steel mill, datacenter		Roadef, CSPLib, benchmark	energetic reasoning, edge-finding, sweep, not-first, time-tabling, not-last	2829	n/a
Lombardi10 [402]	175	re-scheduling, make-span, job, precedence, Benders Decomposition, lazy clause generation, release-date, distributed, setup-time, job-shop, due-date, activity, completion-time, order, inventory, tardiness, resource, scheduling, preempt, task, machine	single machine, SCC, CTW, RCPSP, TCSP	Disjunctive constraint, cycle, Balance constraint, AllDiff constraint, cumulative, disjunctive, table constraint, span constraint, bin-packing, circuit	C	OPL, Cplex, Ilog Solver	aircraft, pipeline, semiconductor, medical, automotive	semiconductor industry	generated instance, benchmark, real-world, instance generator, real-life	not-last, sweep, edge-finder, edge-finding, energetic reasoning, time-tabling, not-first	2834	n/a
Lunardi20 [418]	181	activity, setup-time, release-date, scheduling, make-span, task, cmax, machine, job, lateness, re-scheduling, no preempt, due-date, job-shop, batch process, preempt, flow-shop, resource, transportation, open-shop, precedence, order, completion-time, tardiness	FJS, parallel machine, single machine	cycle, noOverlap, endBeforeStart, alldifferent, disjunctive	Python	CPO, OPL, Cplex	robot	printing industry, glass industry	industrial partner, instance generator, benchmark, random instance, github, supplementary material, real-world, generated instance, real-life		2819	n/a
Malapert11 [424]	194	tardiness, order, lateness, preempt, cmax, batch process, transportation, resource, scheduling, flow-time, task, job-shop, machine, activity, make-span, no-wait, flow-shop, job, completion-time, precedence, inventory, setup-time, due-date, open-shop	Open Shop Scheduling Problem, single machine	cumulative, diffn, circuit, disjunctive, geost, cycle, alldifferent, Element constraint, bin-packing, Disjunctive constraint, Cumulatives constraint	Prolog, C++, Java	Mistral, Choco Solver, Claire, Gecode, ECLiPSe, SICStus, Cplex, OPL, CHIP, Ilog Scheduler	rectangle-packing, robot, semiconductor, patient		real-world, industrial partner, generated instance, benchmark	edge-finding, not-first, energetic reasoning, not-last, time-tabling, sweep	2831	n/a
Malik08 [428]	151	order, machine, completion-time, activity, distributed, precedence, task, job, resource, make-span, scheduling		alldifferent, Cardinality constraint, cycle			pipeline		real-life, benchmark	edge-finding	2835	n/a

Table 83: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Menana11 [436]	148	machine, task, manpower, activity, distributed, resource, precedence, scheduling		Regular constraint, alldifferent, Cardinality constraint	Prolog	Z3, CHIP, OPL, Claire, Choco Solver	nurse		Roadef, github, benchmark	time-tabling	2832	n/a
Nattaf16 [465]	199	order, tardiness, inventory, scheduling, flow-shop, setup-time, job, task, make-span, machine, resource, job-shop, cmax, preempt, due-date	RCPSP, CECSP, psplib, single machine, CuSP, parallel machine	alldifferent, cumulative, disjunctive	C++	Claire, Cplex	robot	process industry	Roadef	energetic reasoning, edge-finding, sweep	2825	n/a
Schutt11 [541]	209	lazy clause generation, resource, job-shop, precedence, cmax, preempt, order, tardiness, scheduling, completion-time, machine, setup-time, job, task, activity, open-shop, release-date, make-span	RCPSP, Open Shop Scheduling Problem, psplib	disjunctive, Arithmetic constraint, UTVPI constraint, cumulative, circuit, bin-packing, Reified constraint, Disjunctive constraint, Element constraint, alldifferent, cycle, geost	Prolog, C++	CHIP, SICStus, Ilog Scheduler, SCIP, ECLiPSe, Ilog Solver	rectangle-packing	carpet industry	benchmark, real-world, industrial instance, instance generator	sweep, edge-finder, time-tabling, not-first, energetic reasoning, edge-finding, not-last	2833	n/a
Siala15a [559]	199	job-shop, precedence, earliness, cmax, sequence dependent setup, due-date, lazy clause generation, order, tardiness, scheduling, setup-time, task, activity, open-shop, make-span, machine, job, resource	RCPSP, OSP, single machine, TMS	AtMostSeq, table constraint, Balance constraint, cumulative, circuit, Among constraint, AmongSeq constraint, disjunctive, Atmost constraint, Regular constraint, Disjunctive constraint, GCC constraint, Cardinality constraint, Card-Path, MultiAt-MostSeqCard, AtMostSeq-Card, Reified constraint, alldifferent, cycle		CHIP, Ilog Solver, Mistral, OPL, Claire	automotive, rectangle-packing		github, benchmark, random instance, Roadef, real-world, CSPLib	time-tabling, edge-finding, GRASP	2827	n/a

Table 83: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Zahout21 [659]	185	completion-time, machine, job, activity, release-date, make-span, multi-agent, distributed, resource, job-shop, flow-shop, precedence, preempt, due-date, re-scheduling, task, scheduling	CuSP, parallel machine, RCPSP, SCC, TCSP, single machine	cycle, cumulative, circuit, bin-packing		CPO, Cplex, Claire	datacenter, crew-scheduling, satellite		benchmark	GRASP	2818	n/a

E.3 InBook from bibtex

Table 84: Works from bibtex (Total 12)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[549]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	n/a
CestaOPS14 CestaOPS14	A. Cesta, A. Oddi, N. Policella, Stephen F. Smith	A Precedence Constraint Posting Approach	No	[144]	2014	Handbook on Project Management and Scheduling Vol.1	null	2	17	No	n/a
GuSSWC14 GuSSWC14	H. Gu, A. Schutt, Peter J. Stuckey, Mark G. Wallace, G. Chu	Exact and Heuristic Methods for the Resource-Constrained Net Present Value Problem	No	[269]	2014	Handbook on Project Management and Scheduling Vol.1	null	5	35	No	n/a
Milano11 Milano11	M. Milano	Constraint Programming Links with Math Programming	No	[442]	2011	Wiley Encyclopedia of Operations Research and Management Science	null	0	28	No	n/a
CastroGR10 CastroGR10	Pedro M. Castro, Ignacio E. Grossmann, L. Rousseau	Decomposition Techniques for Hybrid MILP/CP Models applied to Scheduling and Routing Problems	No	[139]	2010	Hybrid Optimization	null	0	67	No	n/a
Hooker10 Hooker10	John N. Hooker	Hybrid Modeling	No	[314]	2010	Hybrid Optimization	null	9	39	No	n/a
AggounMV08 AggounMV08	A. Aggoun, C. Maravelias, A. Vazacopoulos	Mixed Integer Programming/Constraint Programming Hybrid Methods	No	[10]	2008	Encyclopedia of Optimization	null	0	34	No	n/a
NeronABCDD06 NeronABCDD06	E. Néron, C. Artigues, P. Baptiste, J. Carlier, J. Damay, S. Demassey, P. Laborie	Lower Bounds for Resource Constrained Project Scheduling Problem	No	[485]	2006	Perspectives in Modern Project Scheduling	null	3	34	No	n/a
AjiliW04 AjiliW04	F. Ajili, Mark G. Wallace	Hybrid Problem Solving in ECLiPSe	No	[12]	2004	Constraint and Integer Programming	null	4	24	No	n/a
DannaP04 DannaP04	E. Danna, Claude Le Pape	Two Generic Schemes for Efficient and Robust Cooperative Algorithms	No	[162]	2004	Constraints and Integer Programming	null	2	34	No	n/a
DomdorfPH03 DomdorfPH03	U. Domdorf, E. Pesch, Toản Phan Huy	Machine Learning by Schedule Decomposition — Prospects for an Integration of AI and OR Techniques for Job Shop Scheduling	No	[186]	2003	Advances in Evolutionary Computing	null	0	57	No	n/a
DorndorfHPP99 DorndorfHPP99	U. Dorndorf, Toản Phan Huy, E. Pesch	A Survey of Interval Capacity Consistency Tests for Time- and Resource-Constrained Scheduling	No	[188]	1999	Project Scheduling	null	18	20	No	n/a

E.4 InCollection from bibtex

Table 85: Works from bibtex (Total 7)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
BlazewiczEP19 BlazewiczEP19	J. Blazewicz, Klaus H. Ecker, E. Pesch, G. Schmidt, M. Sterna, J. Weglarz	Constraint Programming and Disjunctive Scheduling	No	[97]	2019	Handbook on Scheduling	62	38	0	No	n/a
Hooker19 Hooker19	John N. Hooker	Logic-Based Benders Decomposition for Large-Scale Optimization	Yes	[316]	2019	Large Scale Optimization in Supply Chains and Smart Manufacturing	26	8	0	2887	n/a
HurleyOS16 HurleyOS16	B. Hurley, B. O'Sullivan, H. Simonis	ICON Loop Energy Show Case	Yes	[323]	2016	Data Mining and Constraint Programming - Foundations of a Cross-Disciplinary Approach	14	0	16	2888	n/a
Bartak14 Bartak14	R. Barták	Planning and Scheduling	No	[55]	2014	Computing Handbook, Third Edition: Computer Science and Software Engineering	null	0	0	No	n/a
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[47]	2006	Handbook of Constraint Programming	39	30	25	No	n/a
KanetAG04 KanetAG04	John J. Kanet, S. Ahire, Michael F. Gorman	Constraint Programming for Scheduling	Yes	[343]	2004	Handbook of Scheduling - Algorithms, Models, and Performance Analysis	22	0	0	2889	n/a
BreitingerL95 BreitingerL95	S. Breitinger, Hendrik C. R. Lock	Using Constraint Logic Programming for Industrial Scheduling Problems	No	[120]	1995	Logic Programming: Formal Methods and Practical Applications, Studies in Computer Science and Artificial Intelligence	27	0	0	No	n/a

Table 86: Automatically Extracted INCOLLECTION Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Hooker19 [316]	26	machine, job, task, activity, release-date, make-span, transportation, distributed, resource, job-shop, sequence dependent setup, due-date, order, tardiness, inventory, scheduling, Benders Decomposition	parallel machine, single machine	cycle, disjunctive, cumulative, circuit		OPL, MiniZinc	container terminal, satellite, torpedo, yard crane, operating room, patient, railway, aircraft		industrial instance	in-time-tabling	2881	n/a
HurleyOS16 [323]	14	re-scheduling, resource, scheduling, task, machine, distributed, order		cumulative			energy-price, super-computer, datacentre		real-world, benchmark		2882	n/a
KanetAG04 [343]	22	precedence, order, make-span, completion-time, task, tardiness, activity, earliness, due-date, job-shop, resource, machine, job, inventory, setup-time, transportation, scheduling	single machine, parallel machine	Disjunctive constraint, alldifferent, disjunctive		ECLiPSe, Cplex, Ilog Solver, OPL	patient			time-tabling	2885	n/a

F Background Works

Table 87: Works from bibtex (Total 23)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School	Pages	Nr Cites	Nr Refs	b	c
HartmannB22 HartmannB22	S. Hartmann, D. Briskorn	An updated survey of variants and extensions of the resource-constrained project scheduling problem	Yes	[285]	2022	European Journal of Operational Research	14	55	196	No	n/a
LamGSHD20 LamGSHD20	E. Lam, G. Gange, Peter J. Stuckey, Pascal Van Hentenryck, Jip J. Dekker	Nutmeg: a MIP and CP Hybrid Solver Using Branch-and-Check	Yes	[380]	2020	SN Operations Research Forum	27	7	28	No	n/a
RahmanianiCGR17 RahmanianiCGR17	R. Rahmaniani, Teodor Gabriel Crainic, M. Gendreau, W. Rei	The Benders decomposition algorithm: A literature review	Yes	[522]	2017	European Journal of Operational Research	17	386	113	No	n/a
HartmannB10 HartmannB10	S. Hartmann, D. Briskorn	A survey of variants and extensions of the resource-constrained project scheduling problem	Yes	[284]	2010	European Journal of Operational Research	14	577	177	No	n/a
YunesAH10 YunesAH10	T. Yunes, Ionuț D. Aron, John N. Hooker	An Integrated Solver for Optimization Problems	Yes	[654]	2010	Operations Research CP 2007	16	25	38	No	n/a
NethercoteSBBDT07 NethercoteSBBDT07	N. Nethercote, Peter J. Stuckey, R. Becket, S. Brand, Gregory J. Duck, G. Tack	MiniZinc: Towards a Standard CP Modelling Language	Yes	[472]	2007	CP 2007	15	344	5	No	n/a
KolischH06 KolischH06	R. Kolisch, S. Hartmann	Experimental investigation of heuristics for resource-constrained project scheduling: An update	Yes	[353]	2006	European Journal of Operational Research	15	503	62	No	n/a
BockmayrH05 BockmayrH05	A. Bockmayr, John N. Hooker	Constraint Programming	Yes	[102]	2005	Handbooks in Operations Research and Management Science	42	12	52	No	n/a
AronHY2004 AronHY2004	I. Aron, John N. Hooker, Tallys H. Yunes	SIMPL: A System for Integrating Optimization Techniques	Yes	[28]	2004	CPAIOR 2004	16	16	23	No	n/a
BruckerDMNP99 BruckerDMNP99	P. Brucker, A. Drexl, R. Möhring, K. Neumann, E. Pesch	Resource-constrained project scheduling: Notation, classification, models, and methods	Yes	[123]	1999	European Journal of Operational Research	39	990	137	No	n/a
Shaw98 Shaw98	P. Shaw	Using Constraint Programming and Local Search Methods to Solve Vehicle Routing Problems	Yes	[555]	1998	CP 1998	15	630	11	No	n/a
KolischS97 KolischS97	R. Kolisch, A. Sprecher	PSPLIB - A project scheduling problem library	Yes	[354]	1997	European Journal of Operational Research	12	840	18	No	n/a
CarlierP94 CarlierP94	J. Carlier, E. Pinson	Adjustment of heads and tails for the job-shop problem	Yes	[136]	1994	European Journal of Operational Research	16	151	10	No	n/a
Taillard93 Taillard93	E. Taillard	Benchmarks for basic scheduling problems	Yes	[578]	1993	European Journal of Operational Research	8	1568	6	No	n/a
ApplegateC91 ApplegateC91	D. Applegate, W. Cook	A Computational Study of the Job-Shop Scheduling Problem	Yes	[23]	1991	ORSA Journal on Computing	8	536	0	No	n/a
DechterMP91 DechterMP91	R. Dechter, I. Meiri, J. Pearl	Temporal constraint networks	Yes	[172]	1991	Artificial Intelligence	35	879	28	No	n/a
CarlierP90 CarlierP90	J. Carlier, E. Pinson	A practical use of Jackson's preemptive schedule for solving the job shop problem	Yes	[135]	1990	Annals of Operations Research	19	112	11	No	n/a
CarlierP89 CarlierP89	J. Carlier, E. Pinson	An Algorithm for Solving the Job-Shop Problem	Yes	[134]	1989	Management Science	14	516	0	No	n/a
AdamsBZ88 AdamsBZ88	J. Adams, E. Balas, D. Zawack	The Shifting Bottleneck Procedure for Job Shop Scheduling	Yes	[6]	1988	Management Science	12	1054	0	No	n/a
DincbasHSAGB88 DincbasHSAGB88	M. Dincbas, Pascal Van Hentenryck, H. Simonis, A. Aggoun, T. Graf, F. Berthier	The Constraint Logic Programming Language CHIP	Yes	[184]	1988	FGCS 1988	10	0	0	No	n/a

Table 87: Works from bibtex (Total 23)

Key Source	Authors	Title	LC	Cite	Year	Conference /Journal /School		Pages	Nr Cites	Nr Refs	b	c
BlazewiczLK83	J. Blazewicz, Jan Karel Lenstra, A. H. G.	Scheduling subject to resource constraints:	Yes	[98]	1983	Discret.	Appl.	14	947	6	No	n/a
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