

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: 647)

1	2	3	4	5	6
AalianPG23 [1]	AbohashimaEG21 [2]	AbreuAPNM21 [166]	AbreuN22 [167]	AbreuNP23 [168]	AbreuPNF23 [3]
AbrilSB05 [4]	Acuna-AgostMFG09 [5]	Adelgren2023 [7]	AfsarVPG23 [8]	AggounB93 [9]	AggounMV08 [10]
AjiliW04 [12]	AkkerDH07 [606]	AkramNHSA23 [13]	AlesioNBG14 [181]	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 [170]	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 [125]
BlazewiczEP19 [97]	BlomBPS14 [99]	BlomPS16 [100]	BocewiczBB09 [101]	BofillCSV17 [103]	BofilleGPSV14 [104]
BofillGSV15 [105]	BogaerdW19 [607]	Bonfietti16 [106]	BonfiettiLBM11 [107]	BonfiettiLBM12 [108]	BonfiettiLBM14 [109]
BonfiettiLM13 [110]	BonfiettiLM14 [111]	BonfiettiM12 [112]	BonfiettiZLM16 [113]	BoothNB16 [114]	BorghesiBLMB18 [115]
BoucherBVBL97 [116]	BoudreaultSLQ22 [117]	BourreauGGLT22 [118]	BreitingerL95 [119]	BridiBLMB16 [120]	BridiLBBM16 [121]
BrusoniCLMMT96 [123]	BurtLPS15 [124]	Caballero19 [126]	Caballero23 [127]	CampeauG22 [128]	CappartS17 [129]
CappartTSR18 [130]	CarchraeB09 [131]	CarchraeBF05 [132]	CarlierSJP21 [136]	Caseau97 [137]	CastroGR10 [138]
CatusseCBL16 [139]	CauwelaertDMS16 [140]	CauwelaertDS20 [142]	CauwelaertLS18 [141]	CestaOPS14 [143]	CestaOS98 [144]
ChapadosJR11 [145]	ChenGPSH10 [146]	ChuGNSW13 [147]	ChuX05 [148]	CireCH13 [149]	CireCH16 [150]
Clercq12 [169]	ClercqPBJ11 [151]	CobanH10 [152]	CobanH11 [153]	CohenHB17 [154]	ColT19 [156]
ColT22 [160]	Colombani96 [157]	CorreaLR07 [158]	CzerniachowskaWZ23 [159]	DannaP03 [162]	DannaP04 [161]
Darby-DowmanLMZ97 [163]	Davenport10 [164]	DavenportKRSH07 [165]	Dejemeppe16 [172]	DejemeppeCS15 [173]	DejemeppeD14 [174]
Demasse03 [175]	Demasse05 [176]	DemirovicS18 [177]	Derrien15 [178]	DerrienP14 [179]	DerrienPZ14 [180]
DilkinaDH05 [182]	DincbasSH90 [184]	DomdorfPH03 [185]	DoomsH08 [186]	DorndorfHP99 [187]	DorndorfPH99 [188]
DoulabiRP14 [189]	DoulabiRP16 [190]	EdisO11 [191]	EdisO11a [192]	EdwardsBSE19 [193]	EfthymiouY23 [194]
ElciOH22 [195]	Elkhyari03 [196]	ElkhyariGJ02 [197]	ElkhyariGJ02a [198]	EmdeZD22 [199]	ErtIK91 [200]
EscobetPQPRA19 [201]	EtminaniesfahaniGNMS22 [202]	EvenSH15 [203]	EvenSH15a [204]	Fahimi16 [205]	FahimiOQ18 [206]
FahimiQ23 [207]	FalaschiGMP97 [208]	FallahiAC20 [209]	FanXG21 [210]	FarsiTM22 [211]	Fatemi-AnarakiTFV23 [212]
FetgoD22 [214]	FocacciLN00 [215]	FontaineMH16 [216]	ForbesHJST24 [217]	FortinZDF05 [218]	FrankK05 [219]
FriedrichFMRSS14 [220]	FrimodigS19 [221]	Froger16 [222]	FrohnerTR19 [223]	FrostD98 [224]	GalleguillosKSB19 [225]
GarganiR07 [226]	GarridoAO09 [227]	GarridoOS08 [228]	GayHLS15 [229]	GayHS15 [230]	GayHS15a [231]

Table 1: Key Overview (Total: 647)

1	2	3	4	5	6
GaySS14 [232]	GedikKEK18 [233]	GeibingerKKMMW21 [234]	GeibingerMM19 [236]	GeibingerMM21 [237]	GeitzGSSW22 [238]
GelainPRVW17 [239]	German18 [240]	Geske05 [241]	GhasemiMH23 [242]	GilesH16 [243]	GingrasQ16 [244]
GodardLN05 [245]	Godet21a [246]	GodetLHS20 [247]	GoelSHFS15 [248]	GokgurHO18 [249]	GoldwaserS17 [250]
GoldwaserS18 [251]	Goltz95 [252]	GombolayWS18 [253]	GomesHS06 [254]	GomesM17 [255]	GrimesH10 [256]
GrimesH11 [257]	GrimesH15 [258]	GrimesHM09 [259]	GrimesIOS14 [260]	Groleaz21 [261]	GroleazNS20 [263]
GroleazNS20a [262]	GruianK98 [264]	GuSS13 [265]	GuSSWC14 [266]	GuSW12 [267]	GuoHLW20 [268]
GuoZ23 [269]	GurEA19 [670]	GurPAE23 [270]	GuyonLPR12 [271]	HachemiGR11 [272]	Ham18 [273]
Ham18a [274]	HamC16 [276]	HamPK21 [275]	HanenKP21 [277]	HarjunkoskiG02 [278]	HarjunkoskiMBC14 [279]
HauderBRPA20 [283]	He0GLW18 [284]	HebrardALLCMR22 [285]	HebrardHJMPV16 [286]	HebrardTW05 [287]	HechingH16 [288]
HeckmanB11 [289]	HeinzB12 [290]	HeinzKB13 [291]	HeinzNVH22 [295]	HeinzS11 [293]	HeinzSB13 [294]
HeinzSSW12 [292]	HeipckeCCS00 [297]	HentenryckM04 [298]	HentenryckM08 [299]	HermenierDL11 [300]	HillBCGN22 [301]
HillTV21 [302]	HoYCLLC18 [303]	HoeveGSL07 [609]	Hooker00 [304]	Hooker04 [305]	Hooker05 [306]
Hooker05a [307]	Hooker06 [308]	Hooker07 [309]	Hooker10 [310]	Hooker17 [311]	Hooker19 [312]
HookerH17 [314]	HookerO03 [313]	HookerY02 [315]	HoundjiSW19 [316]	HoundjiSWD14 [317]	HubnerGSV21 [318]
HurleyOS16 [319]	IfrimOS12 [320]	IsikYA23 [321]	JainG01 [323]	JainM99 [322]	Jans09 [324]
JelinekB16 [325]	JourdanFRD94 [326]	JungblutK22 [327]	JuvinHHL23 [328]	JuvinHL22 [329]	JuvinHL23 [330]
JuvinHL23a [331]	KamarainenS02 [332]	Kameugne14 [333]	Kameugne15 [334]	KameugneFGOQ18 [335]	KameugneFND23 [336]
KameugneFSN11 [337]	KameugneFSN14 [338]	KanetAG04 [339]	KelarevaTK13 [340]	KelbelH11 [341]	KeriK07 [342]
KhayatLR06 [343]	KhemmoudjPB06 [344]	KimCMLLP23 [345]	KlankeBYE21 [346]	KletzanderM17 [347]	KoehlerBFFHPSSS21 [348]
KorbaaYG00 [352]	KorbaaYG99 [351]	KoschB14 [353]	KovacsB07 [354]	KovacsB08 [355]	KovacsB11 [356]
KovacsEKV05 [357]	KovacsK11 [358]	KovacsTKSG21 [361]	KovacsV04 [359]	KovacsV06 [360]	KreterSS15 [362]
KreterSS17 [363]	KreterSSZ18 [364]	KrogtLPHJ07 [608]	KuB16 [365]	KuchcinskiW03 [366]	KucukY19 [368]
Kumar03 [367]	Laborie03 [369]	Laborie09 [370]	Laborie18a [371]	LaborieRSV18 [372]	LacknerMMWW21 [373]
LacknerMMWW23 [374]	LahimerLH11 [375]	LammaMM97 [377]	LauLN08 [378]	Layfield02 [380]	Lemos21 [381]
Letort13 [382]	LetortBC12 [383]	LetortCB13 [384]	LetortCB15 [385]	LiFJZLL22 [387]	LiW08 [386]
LiessM08 [388]	LimBTBB15 [391]	LimHTB16 [390]	LimRX04 [389]	Limtanyakul07 [392]	LimtanyakulS12 [393]
LipovetzkyBPS14 [394]	LiuCGM17 [396]	LiuJ06 [397]	LiuLH19 [395]	Lombardi10 [398]	LombardiBM15 [399]
LombardiBMB11 [400]	LombardiM09 [401]	LombardiM10 [403]	LombardiM10a [402]	LombardiM12 [405]	LombardiM12a [404]
LombardiM13 [406]	LombardiMB13 [407]	LombardiMRB10 [408]	LopesCSM10 [409]	LopezAKYG00 [410]	LorigeonBB02 [411]
LouieVNB14 [412]	Lunardi20 [414]	LunardiBLRV20 [413]	LuoB22 [416]	LuoVLBM16 [415]	Madi-WambaB16 [417]
Madi-WambaLOBM17 [418]	MakMS10 [419]	Malapert11 [420]	MalapertCGJLR12 [421]	MalapertCGJLR13 [422]	MalapertN19 [423]
Malik08 [424]	MalikMB08 [425]	MaraveliasG04 [426]	MartinPY01 [427]	MartnezAJ22 [428]	Mason01 [429]
Mehdizadeh-Somarin23 [430]	MejiaY20 [431]	MelgarejoLS15 [11]	Menana11 [432]	MenciaSV12 [433]	MenciaSV13 [434]
MengZRZL20 [435]	Mercier-AubinGQ20 [437]	MercierH08 [436]	Milano11 [438]	MilanoORT02 [439]	MilanoW06 [440]
MilanoW09 [441]	MoffittPP05 [442]	MokhtarzadehTNF20 [443]	MonetteDD07 [444]	MonetteDH09 [445]	MontemanniD23 [447]
MontemanniD23a [446]	MossigeGSMC17 [448]	MouraSCL08 [450]	MouraSCL08a [449]	MullerMKP22 [451]	MurinR19 [452]

Table 1: Key Overview (Total: 647)

1	2	3	4	5	6
MurphyMB15 [453]	Muscettola02 [454]	MusliuSS18 [455]	NaderiBZ22 [457]	NaderiBZ22a [456]	NaderiR22 [458]
NaderiRBAU21 [459]	NaderiRR23 [460]	Nattaf16 [461]	NattafAL15 [462]	NattafAL17 [463]	NattafALR16 [464]
NattafDYW19 [465]	NattafHKAL19 [466]	NattafM20 [467]	NeronABCDD06 [481]	NishikawaSTT18 [470]	NishikawaSTT18a [471]
NishikawaSTT19 [472]	NouriMHD23 [604]	NovaraNH16 [473]	Novas19 [474]	NovasH10 [475]	NovasH12 [476]
NovasH14 [477]	NuijtenA94 [478]	NuijtenA96 [480]	NuijtenP98 [479]	OddiPCC03 [482]	OhrimenkoSC09 [483]
OuelletQ13 [484]	OuelletQ18 [485]	OuelletQ22 [486]	OujanaAYB22 [487]	OzturkTHO13 [488]	PandeyS21a [489]
PapaB98 [492]	Pape94 [490]	PapeB97 [491]	ParkUJR19 [493]	PembertonG98 [494]	PenzDN23 [495]
PerezGSL23 [496]	PesantRR15 [498]	PoderB08 [500]	PoderBS04 [501]	PohlAK22 [502]	Polo-MejiaALB20 [503]
PopovicCGNC22 [504]	PourDERB18 [505]	PovedaAA23 [506]	Pralet17 [507]	PraletLJ15 [508]	PrataAN23 [509]
Puget95 [510]	QinDCS20 [512]	QinWSLS21 [511]	QuSN06 [513]	QuirogaZH05 [514]	RendlPHPR12 [516]
RiahiNS018 [517]	RodosekW98 [518]	Rodriguez07 [520]	RodriguezDG02 [519]	RoshanaeiBAUB20 [521]	RoshanaeiLAU17 [522]
RoshanaeiLAU17a [523]	RossiTHP07 [524]	RuggieroBBMA09 [525]	SacramentoSP20 [526]	Sadykov04 [527]	SadykovW06 [528]
SakkoutW00 [529]	SchausD08 [530]	SchausHMCMD11 [531]	SchildW00 [532]	SchnellH15 [533]	Schutt11 [534]
SchuttCSW12 [535]	SchuttFS13 [537]	SchuttFS13a [536]	SchuttFSW09 [538]	SchuttFSW11 [540]	SchuttFSW13 [541]
SchuttFSW15 [542]	SchuttS16 [543]	SchuttW10 [544]	SchuttWS05 [545]	SerraNM12 [546]	ShaikhK23 [547]
ShiYXQ22 [549]	ShinBBHO18 [550]	Siala15 [551]	Siala15a [552]	SialaAH15 [553]	SimoninAHL12 [554]
SimoninAHL15 [555]	Simonis07 [559]	Simonis95 [557]	Simonis95a [556]	Simonis99 [558]	SimonisC95 [561]
SimonisCK00 [560]	SimonisH11 [562]	SourdN00 [563]	SquillaciPR23 [564]	SubulanC22 [565]	SunLYL10 [567]
SureshMOK06 [568]	SvancaraB22 [569]	SzerediS16 [570]	TanT18 [572]	TangB20 [573]	TangLWSK18 [574]
TardivoDFMP23 [575]	TasselGS23 [576]	Tay92 [578]	Teppan22 [579]	TerekhovDOB12 [580]	TerekhovTDB14 [581]
Tesch16 [582]	Tesch18 [583]	ThiruvadyBME09 [584]	ThiruvadyWGS14 [585]	ThomasKS20 [586]	Thorsteinsson01 [587]
Timpe02 [588]	Tom19 [589]	TopalogluO11 [590]	TorresL00 [591]	TouatBT22 [592]	Touraivane95 [593]
TranAB16 [594]	TranB12 [595]	TranDRFWOVB16 [596]	TranPZLDB18 [597]	TranTDB13 [598]	TranVNB17 [599]
TranVNB17a [600]	TranWDRFOVB16 [601]	TrojetHL11 [602]	Tsang03 [603]	ValleMGT03 [605]	VanczaM01 [610]
VerfaillieL01 [611]	Vilim02 [612]	Vilim03 [613]	Vilim04 [614]	Vilim05 [615]	Vilim09 [616]
Vilim09a [617]	Vilim11 [618]	VilimBC04 [619]	VilimBC05 [620]	VilimLS15 [621]	VillaverdeP04 [622]
VlkHT21 [623]	Wallace06 [626]	Wallace94 [624]	Wallace96 [625]	WallaceY20 [627]	WangB20 [628]
WangB23 [629]	WangMD15 [630]	WariZ19 [631]	WatsonB08 [632]	WessenCS20 [633]	WikarekS19 [634]
WinterMMW22 [635]	Wolf03 [636]	Wolf05 [637]	Wolf09 [640]	Wolf11 [638]	WolfS05 [639]
WolinskiKG04 [641]	WuBB05 [642]	WuBB09 [643]	YangSS19 [644]	YounespourAKE19 [645]	YoungFS17 [646]
YunusogluY22 [648]	YuraszeckMC23 [649]	YuraszeckMCCR23 [651]	YuraszeckMPV22 [650]	Zahout21 [652]	ZarandiASC20 [654]
ZarandiB12 [213]	ZarandiKS16 [653]	ZeballosH05 [655]	ZeballosQH10 [656]	ZhangBB22 [658]	ZhangJZL22 [657]
ZhangLS12 [661]	ZhangW18 [660]	ZhangYW21 [659]	Zhou96 [662]	Zhou97 [663]	ZhouGL15 [664]
ZhuS02 [665]	ZhuSZW23 [666]	ZibranR11 [667]	ZibranR11a [668]	ZouZ20 [669]	abs-0907-0939 [499]
abs-1009-0347 [539]	abs-1901-07914 [77]	abs-1902-01193 [14]	abs-1902-09244 [282]	abs-1911-04766 [235]	abs-2102-08778 [155]
abs-2211-14492 [566]	abs-2305-19888 [296]	abs-2306-05747 [577]	abs-2312-13682 [497]	abs-2402-00459 [469]	

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 324)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	325	642
Bit-Monnot23 Bit-Monnot23	A. Bit-Monnot	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	Yes	[96]	2023	ECAI 2023	8	0	0	371	643
EfthymiouY23 EfthymiouY23	N. Efthymiou, N. Yorke-Smith	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	Yes	[194]	2023	CPAIOR 2023	16	0	23	415	644
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[328]	2023	CP 2023	16	0	0	476	645
JuvinHL23 JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[330]	2023	CPAIOR 2023	16	0	11	477	646
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	[336]	2023	CP 2023	17	0	0	480	647
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	[345]	2023	CPAIOR 2023	16	0	13	485	648
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	[430]	2023	APMS 2023	14	0	0	529	649
PerezGSL23 PerezGSL23	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	Yes	[496]	2023	ICTAI 2023	7	0	0	553	650
PovedaAA23 PovedaAA23	G. Pováda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	Yes	[506]	2023	CP 2023	21	0	0	557	651
SquillaciPR23 SquillaciPR23	S. Squillaci, C. Pralet, S. Roussel	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Yes	[564]	2023	CPAIOR 2023	17	0	19	584	652
TardivoDFMP23 TardivoDFMP23	F. Tardivo, A. Dovier, A. Formisano, L. Michel, E. Pontelli	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	Yes	[575]	2023	CPAIOR 2023	18	0	30	590	653
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	[576]	2023	ICAPS 2023	9	0	0	591	654
WangB23 WangB23	R. Wang, N. Barnier	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	Yes	[629]	2023	ICTAI 2023	8	0	0	620	655
YuraszeckMC23 YuraszeckMC23	F. Yuraszeck, G. Mejía, D. Canut-de-Bon	A competitive constraint programming approach for the group shop scheduling problem	Yes	[649]	2023	ANT 2023	6	1	15	633	656
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	337	657
BoudreaultSLQ22 BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling	Yes	[117]	2022	CP 2022	16	0	0	383	658
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	[238]	2022	CPAIOR 2022	18	0	24	436	659
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	[285]	2022	IJCAI 2022	7	0	0	456	660
JungblutK22 JungblutK22	P. Jungblut, D. Kranzlmüller	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	Yes	[327]	2022	IPDPS 2022	4	0	0	475	661
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	[387]	2022	ICNSC 2022	6	0	31	506	662

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LuoB22 LuoB22	Yiqing L. Luo, J. Christopher Beck	Packing by Scheduling: Using Constraint Programming to Solve a Complex 2D Cutting Stock Problem	Yes	[416]	2022	CPAIOR 2022	17	0	28	521	663
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[486]	2022	CPAIOR 2022	17	1	22	549	664
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	[487]	2022	CoDIT 2022	6	1	21	550	665
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	[504]	2022	CP 2022	15	0	0	556	666
SvancaraB22 SvancaraB22	J. Svancara, R. Barták	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling	Yes	[569]	2022	ICAART 2022	8	0	0	586	667
Teppan22 Teppan22	Erich Christian Teppan	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	Yes	[579]	2022	ICAART 2022	8	0	0	592	668
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	[592]	2022	ICAART 2022	8	0	0	599	669
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[635]	2022	CP 2022	18	0	0	623	670
ZhangBB22 ZhangBB22	J. Zhang, Giovanni Lo Bianco, J. Christopher Beck	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware	Yes	[658]	2022	ICAPS 2022	9	0	0	634	671
ZhangJZL22 ZhangJZL22	H. Zhang, Y. Ji, Z. Zhao, S. Liu	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	Yes	[657]	2022	ICNSC 2022	6	0	21	635	672
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	334	673
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	336	674
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	340	675
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	342	676
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	364	677
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[234]	2021	CPAIOR 2021	10	0	6	433	678
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[237]	2021	AAAI 2021	9	0	0	435	679
HanenKP21 HanenKP21	C. Hanen, Alix Munier Kordon, T. Pedersen	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Yes	[277]	2021	CPAIOR 2021	17	1	24	454	680
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	[302]	2021	CPAIOR 2021	19	0	38	465	681
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	[346]	2021	CPAIOR 2021	16	3	13	486	682
KovacsTKSG21 KovacsTKSG21	B. Kovács, P. Tassel, W. Kohlenbrein, P. Schrott-Kostwein, M. Gebser	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Yes	[361]	2021	CP 2021	17	0	0	492	683
LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[373]	2021	CP 2021	18	0	0	501	684
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	333	685

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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	354	686
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	[247]	2020	AAAI 2020	8	1	0	442	687
GroleazNS20 GroleazNS20	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	Solving the Group Cumulative Scheduling Problem with CPO and ACO	Yes	[263]	2020	CP 2020	17	1	25	449	688
GroleazNS20a GroleazNS20a	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	Yes	[262]	2020	GECCO 2020	9	3	28	450	689
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[437]	2020	CPAIOR 2020	13	2	13	531	690
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[467]	2020	CP 2020	16	0	6	542	691
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[573]	2020	CPAIOR 2020	16	6	12	589	692
ThomasKS20 ThomasKS20	C. Thomas, R. Kameugne, P. Schaus	Insertion Sequence Variables for Hybrid Routing and Scheduling Problems	Yes	[586]	2020	CPAIOR 2020	18	0	16	596	693
WangB20 WangB20	R. Wang, N. Barnier	Global Propagation of Transition Cost for Fixed Job Scheduling	Yes	[628]	2020	ECAI 2020	8	0	0	619	694
WessenCS20 WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Yes	[633]	2020	CPAIOR 2020	10	2	11	622	695
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	344	696
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	360	697
BogaerdtW19 BogaerdtW19	Pim van den Bogaerdt, Mathijs de Weerd	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	Yes	[607]	2019	CPAIOR 2019	16	1	16	375	698
ColT19 ColT19	Giacomo Da Col, Erich Christian Teppan	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	Yes	[156]	2019	CP 2019	17	11	12	401	699
FrimodigS19 FrimodigS19	S. Frimodig, C. Schulte	Models for Radiation Therapy Patient Scheduling	Yes	[221]	2019	CP 2019	17	3	26	424	700
FrohnerTR19 FrohnerTR19	N. Frohner, S. Teuschl, Günther R. Raidl	Casual Employee Scheduling with Constraint Programming and Metaheuristics	Yes	[223]	2019	EUROCAST 2019	9	0	6	425	701
GalleguillosKSB19 GalleguillosKSB19	C. Galleguillos, Z. Kiziltan, A. Sirbu, Özalp Babaoglu	Constraint Programming-Based Job Dispatching for Modern HPC Applications	Yes	[225]	2019	CP 2019	18	1	27	427	702
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[236]	2019	CPAIOR 2019	16	6	15	434	703
KucukY19 KucukY19	M. Küçük, Seyda Topaloglu Yildiz	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem	Yes	[368]	2019	RAST 2019	5	0	0	497	704
LiuLH19 LiuLH19	K. Liu, S. Löffler, P. Hofstedt	Solving the Talent Scheduling Problem by Parallel Constraint Programming	Yes	[395]	2019	AIAI 2019	9	1	5	514	705
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[423]	2019	CPAIOR 2019	17	1	7	527	706
MurinR19 MurinR19	S. Murín, H. Rudová	Scheduling of Mobile Robots Using Constraint Programming	Yes	[452]	2019	CP 2019	16	2	22	538	707
ParkUJR19 ParkUJR19	H. Park, J. Um, J. Jung, M. Ruskowski	Developing a Production Scheduling System for Modular Factory Using Constraint Programming	Yes	[493]	2019	RAAD 2019	8	1	3	551	708
Tom19 Tom19	M. Tom	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling	Yes	[589]	2019	FUZZ-IEEE 2019	6	0	21	598	709
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[644]	2019	CPAIOR 2019	10	1	14	631	710

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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	332	711
ArbaouiY18 ArbaouiY18	T. Arbaoui, F. Yalaoui	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming	Yes	[24]	2018	ACIIDS 2018	10	2	14	335	712
AstrandJZ18 AstrandJZ18	M. Åstrand, M. Johansson, A. Zanarini	Fleet Scheduling in Underground Mines Using Constraint Programming	Yes	[37]	2018	CPAIOR 2018	9	9	10	343	713
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	365	714
CappartTSR18 CappartTSR18	Q. Cappart, C. Thomas, P. Schaus, L. Rousseau	A Constraint Programming Approach for Solving Patient Transportation Problems	Yes	[130]	2018	CP 2018	17	6	31	388	715
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[177]	2018	CPAIOR 2018	18	4	16	408	716
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	[284]	2018	CP 2018	18	6	26	455	717
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	[303]	2018	AICCC 2018	6	2	14	466	718
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	[335]	2018	CPAIOR 2018	17	1	12	479	719
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[371]	2018	CPAIOR 2018	9	18	10	500	720
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[455]	2018	CPAIOR 2018	17	7	23	541	721
NishikawaSTT18 NishikawaSTT18	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Fork-Join Tasks with Constraint Programming	Yes	[470]	2018	CANDAR 2018	6	2	14	543	722
NishikawaSTT18a NishikawaSTT18a	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Tasks Based on Constraint Programming	Yes	[471]	2018	TENCON 2018	6	1	9	544	723
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	[485]	2018	CPAIOR 2018	18	6	16	548	724
RiahiNS018 RiahiNS018	V. Riahi, M. A. Hakim Newton, K. Su, A. Sattar	Local Search for Flowshops with Setup Times and Blocking Constraints	Yes	[517]	2018	ICAPS 2018	9	0	0	564	725
TanT18 TanT18	Y. Tan, D. Terekhov	Logic-Based Benders Decomposition for Two-Stage Flexible Flow Shop Scheduling with Unrelated Parallel Machines	Yes	[572]	2018	Canadian AI 2018	12	1	23	588	726
Tesch18 Tesch18	A. Tesch	Improving Energetic Propagations for Cumulative Scheduling	Yes	[583]	2018	CP 2018	17	5	21	594	727
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	372	728
CappartS17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[129]	2017	CPAIOR 2017	16	2	28	387	729
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	[154]	2017	SAT 2017	17	1	12	400	730
GelainPRVW17 GelainPRVW17	M. Gelain, Maria Silvia Pini, F. Rossi, Kristen Brent Venable, T. Walsh	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems	Yes	[239]	2017	CPAIOR 2017	16	1	5	437	731
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[250]	2017	CP 2017	16	0	10	443	732
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[311]	2017	CP 2017	14	6	24	470	733

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KletzanderM17 KletzanderM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[347]	2017	CPAIOR 2017	15	1	9	487	734
LiuCGM17 LiuCGM17	T. Liu, Roberto Di Cosmo, M. Gabbrielli, J. Mauro	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Yes	[396]	2017	CP 2017	17	0	15	512	735
Madi-WambaLOBM17 Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Green Energy Aware Scheduling Problem in Virtualized Datacenters	Yes	[418]	2017	ICPADS 2017	8	1	8	524	736
MossigeGSMC17 MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[448]	2017	CP 2017	18	6	33	535	737
Pralet17 Pralet17	C. Pralet	An Incomplete Constraint-Based System for Scheduling with Renewable Resources	Yes	[507]	2017	CP 2017	19	1	30	558	738
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	[600]	2017	IJCAI 2017	5	1	0	604	739
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[646]	2017	CP 2017	10	6	21	632	740
AmadiniGM16 AmadiniGM16	R. Amadini, M. Gabbrielli, J. Mauro	Parallelizing Constraint Solvers for Hard RCPSPP Instances	Yes	[17]	2016	LION 2016	7	2	16	330	741
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[113]	2016	CP 2016	17	0	11	381	742
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	[114]	2016	CP 2016	17	21	24	382	743
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized Dispatching and Scheduling	Yes	[121]	2016	ECAI 2016	2	0	0	384	744
CatusseCBL16 CatusseCBL16	N. Catusse, H. Cambazard, N. Brauner, P. Lemaire, B. Penz, A. Lagrange, P. Rubini	A Branch-and-Price Algorithm for Scheduling Observations on a Telescope	Yes	[139]	2016	IJCAI 2016	7	0	0	391	745
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[140]	2016	CP 2016	16	1	12	392	746
FontaineMH16 FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[216]	2016	CPAIOR 2016	11	3	0	421	747
GilesH16 GilesH16	K. Giles, Willem-Jan van Hoeve	Solving a Supply-Delivery Scheduling Problem with Constraint Programming	Yes	[243]	2016	CP 2016	16	2	6	439	748
GingrasQ16 GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[244]	2016	IJCAI 2016	7	0	0	440	749
HechingH16 HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[288]	2016	CPAIOR 2016	11	10	0	458	750
JelinekB16 JelinekB16	J. Jelinek, R. Barták	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station	Yes	[325]	2016	PADL 2016	10	0	5	474	751
LimHTB16 LimHTB16	B. Lim, Hassan L. Hijazi, S. Thiébaux, Menkes van den Briel	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control	Yes	[390]	2016	CP 2016	18	2	23	508	752
LuoVLBM16 LuoVLBM16	R. Luo, Richard Anthony Valenzano, Y. Li, J. Christopher Beck, Sheila A. McIlraith	Using Metric Temporal Logic to Specify Scheduling Problems	Yes	[415]	2016	KR 2016	4	0	0	522	753
Madi-WambaB16 Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[417]	2016	CPAIOR 2016	16	0	0	523	754
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[543]	2016	CP 2016	17	3	23	573	755
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[570]	2016	CP 2016	10	9	14	587	756
Tesch16 Tesch16	A. Tesch	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $\mathcal{O}(n^2 \log n)$	Yes	[582]	2016	CP 2016	27	4	14	593	757
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	[596]	2016	SOCS 2016	9	3	0	602	758

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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	[601]	2016	AAAI 2016	9	0	0	605	759
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	352	760
BofillGSV15 BofillGSV15	M. Bofill, M. Garcia, J. Suy, M. Villaret	MaxSAT-Based Scheduling of B2B Meetings	Yes	[105]	2015	CPAIOR 2015	9	7	8	374	761
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	[124]	2015	CPAIOR 2015	17	0	8	386	762
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[173]	2015	CP 2015	16	5	11	406	763
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[203]	2015	CP 2015	18	3	12	419	764
GayHLS15 GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	Yes	[229]	2015	CP 2015	9	20	15	429	765
GayHS15 GayHS15	S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint	Yes	[230]	2015	CP 2015	9	10	9	430	766
GayHS15a GayHS15a	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[231]	2015	CPAIOR 2015	16	5	12	431	767
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[362]	2015	CP 2015	17	7	16	495	768
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	[391]	2015	CPAIOR 2015	15	4	18	507	769
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[399]	2015	CP 2015	16	0	8	515	770
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	530	771
MurphyMB15 MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System	Yes	[453]	2015	CP 2015	17	1	20	539	772
PesantRR15 PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	Yes	[498]	2015	CPAIOR 2015	16	1	7	554	773
PraletLJ15 PraletLJ15	C. Pralet, S. Lemai-Chenevier, J. Jaubert	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search	Yes	[508]	2015	CP 2015	16	0	8	559	774
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[553]	2015	CP 2015	10	4	17	577	775
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[621]	2015	CPAIOR 2015	17	31	19	617	776
ZhouGL15 ZhouGL15	J. Zhou, Y. Guo, G. Li	On complex hybrid flexible flowshop scheduling problems based on constraint programming	Yes	[664]	2015	FSKD 2015	5	0	16	638	777
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	[181]	2014	CP 2014	18	3	19	329	778
BartoliniBBLM14 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	353	779
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	369	780
BofillEGPSV14 BofillEGPSV14	M. Bofill, J. Espasa, M. Garcia, M. Palahí, J. Suy, M. Villaret	Scheduling B2B Meetings	Yes	[104]	2014	CP 2014	16	3	10	373	781
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	379	782
DejemeppeD14 DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[174]	2014	CPAIOR 2014	9	0	7	407	783

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DerrienP14 DerrienP14	A. Derrien, T. Petit	A New Characterization of Relevant Intervals for Energetic Reasoning	Yes	[179]	2014	CP 2014	9	14	0	409	784
DerrienPZ14 DerrienPZ14	A. Derrien, T. Petit, S. Zampelli	A Declarative Paradigm for Robust Cumulative Scheduling	Yes	[180]	2014	CP 2014	9	3	10	410	785
DoulabiRP14 DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[189]	2014	CPAIOR 2014	9	3	10	413	786
FriedrichFMRSS14 FriedrichFMRSS14	G. Friedrich, M. Fröhstück, V. Mersheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	No	[220]	2014	GOR 2014	7	3	2	No	787
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[232]	2014	CP 2014	15	7	11	432	788
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[317]	2014	CP 2014	16	5	7	472	789
KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[353]	2014	CPAIOR 2014	16	4	18	489	790
LipovetzkyBPS14 LipovetzkyBPS14	N. Lipovetzky, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	Planning for Mining Operations with Time and Resource Constraints	Yes	[394]	2014	ICAPS 2014	9	0	0	511	791
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	[412]	2014	ICRA 2014	7	16	9	520	792
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	378	793
ChuGNSW13 ChuGNSW13	G. Chu, S. Gaspers, N. Narodytska, A. Schutt, T. Walsh	On the Complexity of Global Scheduling Constraints under Structural Restrictions	Yes	[147]	2013	IJCAI 2013	7	0	0	395	794
CireCH13 CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[149]	2013	CPAIOR 2013	7	3	23	397	795
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	[265]	2013	CPAIOR 2013	7	10	24	452	796
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[291]	2013	CPAIOR 2013	16	9	15	460	797
KelarevaTK13 KelarevaTK13	E. Kelareva, K. Tierney, P. Kilby	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	Yes	[340]	2013	CPAIOR 2013	17	16	28	482	798
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[384]	2013	CPAIOR 2013	16	3	10	505	799
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[406]	2013	ICAPS 2013	2	0	0	519	800
MalapertCGJLR13 MalapertCGJLR13	A. Malapert, H. Cambazard, C. Guéret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	Yes	[422]	2013	ICAPS 2013	2	0	0	526	801
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[484]	2013	CP 2013	16	12	14	547	802
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[537]	2013	CP 2013	17	10	20	570	803
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[536]	2013	CPAIOR 2013	17	20	27	571	804
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	[598]	2013	ICAPS 2013	9	0	0	603	805
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	370	806
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	377	807
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	380	808

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GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[267]	2012	CP 2012	15	5	20	453	809
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[290]	2012	CPAIOR 2012	17	8	21	459	810
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[320]	2012	CP 2012	16	6	20	473	811
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[383]	2012	CP 2012	16	18	12	504	812
RendlPHPR12 RendlPHPR12	A. Rendl, M. Prandtstetter, G. Hiermann, J. Puchinger, Günther R. Raidl	Hybrid Heuristics for Multimodal Homecare Scheduling	Yes	[516]	2012	CPAIOR 2012	17	14	14	563	813
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[535]	2012	CPAIOR 2012	17	18	21	569	814
SerraNM12 SerraNM12	T. Serra, G. Nishioka, Fernando J. M. Marcellino	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach	Yes	[546]	2012	CP 2012	17	0	8	576	815
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[554]	2012	CP 2012	15	3	8	578	816
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[595]	2012	ECAI 2012	6	0	0	601	817
ZhangLS12 ZhangLS12	X. Zhang, Z. Lv, X. Song	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method	Yes	[661]	2012	CIT 2012	4	1	3	636	818
BajestaniB11 BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[41]	2011	ICAPS 2011	8	0	0	345	819
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	376	820
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[145]	2011	CPAIOR 2011	6	5	12	394	821
ClercPB11 ClercPB11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[151]	2011	CP 2011	16	3	11	398	822
EdisO11 EdisO11	Emrah B. Edis, C. Oguz	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach	Yes	[191]	2011	CPAIOR 2011	7	5	16	414	823
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[257]	2011	CP 2011	17	5	18	447	824
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[293]	2011	SEA 2011	10	5	12	461	825
HermenierDL11 HermenierDL11	F. Hermenier, S. Demasse, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[300]	2011	CP 2011	15	28	5	464	826
KameugneFSN11 KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[337]	2011	CP 2011	15	7	9	481	827
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	[375]	2011	CPAIOR 2011	14	3	15	502	828
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[400]	2011	CPAIOR 2011	17	1	13	516	829
SimonisH11 SimonisH11	H. Simonis, T. Hadzic	A Resource Cost Aware Cumulative	Yes	[562]	2011	CSCLP 2011	14	3	9	583	830
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[618]	2011	CPAIOR 2011	16	28	6	615	831
Wolf11 Wolf11	A. Wolf	Constraint-Based Modeling and Scheduling of Clinical Pathways	Yes	[638]	2011	CSCLP 2011	17	5	19	627	832
ZibranR11 ZibranR11	Minhaz F. Zibran, Chanchal K. Roy	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach	Yes	[667]	2011	ICPC 2011	4	17	18	640	833
ZibranR11a ZibranR11a	Minhaz F. Zibran, Chanchal K. Roy	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring	Yes	[668]	2011	SCAM 2011	10	26	27	641	834

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BertholdH10	T. Berthold, S. Heinz, Marco E. Lübbecke, Rolf	A Constraint Integer Programming Approach for	Yes	[92]	2010	CPAIOR 2010	5	28	10	368	835
BertholdH10	H. Möhring, J. Schulz	Resource-Constrained Project Scheduling									
CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons	Yes	[152]	2010	CPAIOR 2010	5	9	9	399	836
Davenport10	Andrew J. Davenport	by Logic-Based Benders Decomposition									
Davenport10		Integrated Maintenance Scheduling for	Yes	[164]	2010	CPAIOR 2010	5	9	2	404	837
Davenport10		Semiconductor Manufacturing									
GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and	Yes	[256]	2010	CPAIOR 2010	15	13	20	446	838
GrimesH10		Maximal Time-Lags: A Simple Constraint									
GrimesH10		Programming Approach									
LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain	Yes	[403]	2010	CP 2010	15	1	11	518	839
LombardiM10		Durations and Self-Timed Execution									
MakMS10	K. Mak, J. Ma, W. Su	A constraint programming approach for production	Yes	[419]	2010	ICNC 2010	5	1	3	525	840
MakMS10		scheduling of multi-period virtual cellular									
MakMS10		manufacturing systems									
SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning	Yes	[544]	2010	CP 2010	15	13	14	574	841
SchuttW10		Algorithm for Cumulative Resource Constraints									
SunLYL10	Z. Sun, H. Li, M. Yao, N. Li	Scheduling Optimization Techniques for FlexRay	Yes	[567]	2010	GreenCom 2010	6	4	8	585	842
SunLYL10		Using Constraint-Programming									
Acuna-AgostMFG09	R. Acuna-Agost, P. Michelon, D. Feillet, S.	Constraint Programming and Mixed Integer Linear	Yes	[5]	2009	CPAIOR 2009	2	3	2	327	843
Acuna-AgostMFG09	Gueye	Programming for Rescheduling Trains under									
Acuna-AgostMFG09		Disrupted Operations									
AronssonBK09	M. Aronsson, M. Bohlin, P. Kreuger	MILP formulations of cumulative constraints for	Yes	[29]	2009	ATMOS 2009	13	0	0	338	844
AronssonBK09		railway scheduling - A comparative study									
Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[45]	2009	CP 2009	1	0	0	346	845
Baptiste09											
GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional	Yes	[259]	2009	CP 2009	9	15	12	448	846
GrimesHM09		Wisdom									
Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling	Yes	[370]	2009	CPAIOR 2009	15	53	2	499	847
Laborie09		Illustrated on Three Problems									
LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the	Yes	[401]	2009	CP 2009	15	7	12	517	848
LombardiM09		RCPSP with Time Lags and Variable Durations									
MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint	Yes	[445]	2009	ICAPS 2009	8	0	0	534	849
MonetteDH09		Programming									
SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M.	Why Cumulative Decomposition Is Not as Bad as It	Yes	[538]	2009	CP 2009	16	34	11	572	850
SchuttFSW09	Wallace	Sounds									
ThiruvadyBME09	Dhananjay R. Thiruvady, C. Blum, B. Meyer,	Hybridizing Beam-ACO with Constraint	Yes	[584]	2009	HM 2009	15	13	12	595	851
ThiruvadyBME09	Andreas T. Ernst	Programming for Single Machine Job Scheduling									
Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete	Yes	[616]	2009	CP 2009	15	25	4	613	852
Vilim09		Cumulative Resources in $O(kn \log n)$									
Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete	Yes	[617]	2009	CPAIOR 2009	15	13	4	614	853
Vilim09a		Cumulative Resources									
Wolf09	A. Wolf, G. Schrader	Linear Weighted-Task-Sum – Scheduling Prioritized	Yes	[640]	2009	INAP 2009	17	1	12	626	854
Wolf09		Tasks on a Single Resource									
BarlattCG08	A. Barlatt, Amy Mainville Cohn, Oleg Yu.	A Hybrid Approach for Solving Shift-Selection and	Yes	[52]	2008	CPAIOR 2008	5	1	9	349	855
BarlattCG08	Gusikhin	Task-Sequencing Problems									
BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the	Yes	[81]	2008	CPAIOR 2008	15	8	9	362	856
BeldiceanuCP08		Context of Non-Overlapping Rectangles									
BeniniLMR08	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	A Constraint Programming Approach for Allocation	Yes	[89]	2008	CP 2008	15	7	23	367	857
BeniniLMR08		and Scheduling on the CELL Broadband Engine									
DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic	Yes	[186]	2008	CPAIOR 2008	16	1	2	412	858
DoomsH08		Project Scheduling									
HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[299]	2008	CPAIOR 2008	5	13	3	463	859
HentenryckM08											

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LauLN08 LauLN08	Hoong Chuin Lau, Kong Wei Lye, Viet Bang Nguyen	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)	Yes	[378]	2008	CPAIOR 2008	5	0	4	503	860
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	[450]	2008	CP 2008	16	11	10	536	861
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	[449]	2008	CSE 2008	8	5	14	537	862
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[500]	2008	ICAPS 2008	8	0	0	555	863
SchausD08 SchausD08	P. Schaus, Y. Deville	A Global Constraint for Bin-Packing with Precedences: Application to the Assembly Line Balancing Problem	Yes	[530]	2008	AAAI 2008	6	0	0	568	864
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[632]	2008	CPAIOR 2008	15	14	17	621	865
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	[606]	2007	CPAIOR 2007	15	2	8	328	866
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	363	867
DavenportKRS07 DavenportKRS07	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	[165]	2007	CP 2007	13	1	2	405	868
GarganiR07 GarganiR07	A. Gargani, P. Refalo	An Efficient Model and Strategy for the Steel Mill Slab Design Problem	Yes	[226]	2007	CP 2007	13	17	5	428	869
HoeveGSL07 HoeveGSL07	Willem-Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[609]	2007	AAAI 2007	6	0	0	467	870
KeriK07 KeriK07	A. Kéri, T. Kis	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method	Yes	[342]	2007	CPAIOR 2007	14	1	13	483	871
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[354]	2007	CPAIOR 2007	15	2	12	490	872
KrogtLPHJ07 KrogtLPHJ07	Roman van der Krogt, J. Little, K. Pulliam, S. Hanhilammi, Y. Jin	Scheduling for Cellular Manufacturing	Yes	[608]	2007	CP 2007	13	2	3	496	873
Limtanyakul07 Limtanyakul07	K. Limtanyakul	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming	Yes	[392]	2007	GOR 2007	6	2	3	510	874
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[444]	2007	CPAIOR 2007	14	0	12	533	875
RossiTHP07 RossiTHP07	R. Rossi, A. Tarim, B. Hnich, Steven D. Prestwich	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost	Yes	[524]	2007	CPAIOR 2007	15	6	10	566	876
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	355	877
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	366	878
GomesHS06 GomesHS06	Carla P. Gomes, Willem-Jan van Hoeve, B. Selman	Constraint Programming for Distributed Planning and Scheduling	Yes	[254]	2006	AAAI 2006	2	0	0	445	879
KhemmoudjPB06 KhemmoudjPB06	Mohand Ou Idir Khemmoudj, M. Porcheron, H. Bennaecur	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages	Yes	[344]	2006	CP 2006	13	8	8	484	880
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[360]	2006	CPAIOR 2006	13	2	7	494	881
LiuJ06 LiuJ06	Y. Liu, Y. Jiang	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming	Yes	[397]	2006	PRICAI 2006	5	0	0	513	882

Table 2: Works from bibtex (Total 324)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[513]	2006	SoC 2006	4	2	5	561	883
Wallace06 Wallace06	M. Wallace	Hybrid Algorithms in Constraint Programming	Yes	[626]	2006	CSCLP 2006	32	1	35	618	884
AbrilSB05 AbrilSB05	M. Abril, Miguel A. Salido, F. Barber	Distributed Constraints for Large-Scale Scheduling Problems	Yes	[4]	2005	CP 2005	1	0	0	326	885
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	341	886
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[72]	2005	IJCAI 2005	6	0	0	359	887
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[132]	2005	CP 2005	1	0	0	389	888
ChuX05 ChuX05	Y. Chu, Q. Xia	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems	Yes	[148]	2005	CPAIOR 2005	15	13	13	396	889
DilkinaDH05 DilkinaDH05	B. Dilkina, L. Duan, William S. Havens	Extending Systematic Local Search for Job Shop Scheduling Problems	Yes	[182]	2005	CP 2005	5	2	7	411	890
FortinZDF05 FortinZDF05	J. Fortin, P. Zielinski, D. Dubois, H. Fargier	Interval Analysis in Scheduling	Yes	[218]	2005	CP 2005	15	13	11	422	891
FrankK05 FrankK05	J. Frank, E. Kürklü	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations	Yes	[219]	2005	CPAIOR 2005	18	4	4	423	892
Geske05 Geske05	U. Geske	Railway Scheduling with Declarative Constraint Programming	Yes	[241]	2005	INAP 2005	18	2	3	438	893
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[245]	2005	ICAPS 2005	9	0	0	441	894
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[287]	2005	CP 2005	1	0	3	457	895
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[307]	2005	CP 2005	14	30	10	469	896
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[357]	2005	CP 2005	1	2	3	491	897
MoffittPP05 MoffittPP05	Michael D. Moffitt, B. Peintner, Martha E. Pollack	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints	Yes	[442]	2005	AAAI 2005	6	0	0	532	898
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[514]	2005	ICRA 2005	6	2	7	562	899
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[545]	2005	INAP 2005	15	6	4	575	900
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[615]	2005	CPAIOR 2005	14	5	8	612	901
Wolf05 Wolf05	A. Wolf	Better Propagation for Non-preemptive Single-Resource Constraint Problems	Yes	[637]	2005	CSCLP 2005	15	4	8	625	902
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[639]	2005	INAP 2005	14	6	6	628	903
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[642]	2005	CP 2005	1	0	0	630	904
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	339	905
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[71]	2004	ECAI 2004	5	0	0	358	906
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[298]	2004	CPAIOR 2004	16	12	14	462	907
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[305]	2004	CP 2004	12	39	9	468	908
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[359]	2004	CP 2004	15	3	12	493	909
LimRX04 LimRX04	A. Lim, B. Rodrigues, Z. Xu	Solving the Crane Scheduling Problem Using Intelligent Search Schemes	Yes	[389]	2004	CP 2004	5	5	6	509	910

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MaraveliasG04 MaraveliasG04	Christos T. Maravelias, Ignacio E. Grossmann	Using MILP and CP for the Scheduling of Batch Chemical Processes	Yes	[426]	2004	CPAIOR 2004	20	15	15	528	911
Sadykov04 Sadykov04	R. Sadykov	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem	Yes	[527]	2004	CPAIOR 2004	7	11	7	567	912
Vilim04 Vilim04	P. Vilím	O(n log n) Filtering Algorithms for Unary Resource Constraint	Yes	[614]	2004	CPAIOR 2004	13	22	5	611	913
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[619]	2004	CP 2004	15	13	4	616	914
VillaverdeP04 VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	No	[622]	2004	ISCA 2004	6	0	0	No	915
WolinskiKG04 WolinskiKG04	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures	Yes	[641]	2004	DSD 2004	8	0	9	629	916
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	357	917
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	[162]	2003	CP 2003	5	21	3	403	918
Kumar03 Kumar03	T. K. Satish Kumar	Incremental Computation of Resource-Envelopes in Producer-Consumer Models	Yes	[367]	2003	CP 2003	15	4	2	498	919
OddiPCC03 OddiPCC03	A. Oddi, N. Policella, A. Cesta, G. Cortellessa	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem	Yes	[482]	2003	CP 2003	15	8	6	546	920
ValleMGT03 ValleMGT03	Carmelo Del Valle, Antonio A. Márquez, Rafael M. Gasca, M. Toro	On Selecting and Scheduling Assembly Plans Using Constraint Programming	Yes	[605]	2003	KES 2003	8	7	7	606	921
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[613]	2003	CP 2003	1	1	1	610	922
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[636]	2003	CP 2003	15	11	7	624	923
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[54]	2002	CP 2002	16	6	4	350	924
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[53]	2002	ERCIM/CologNet 2002	15	1	9	351	925
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[79]	2002	CP 2002	17	33	9	361	926
ElkhyariGJ02 ElkhyariGJ02	A. Elkhyari, C. Guéret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems	Yes	[197]	2002	CP 2002	6	1	6	416	927
ElkhyariGJ02a ElkhyariGJ02a	A. Elkhyari, C. Guéret, N. Jussien	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools	Yes	[198]	2002	PATAT 2002	24	9	20	417	928
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[315]	2002	CP 2002	5	8	7	471	929
KamarainenS02 KamarainenS02	O. Kamarainen, Hani El Sakkout	Local Probing Applied to Scheduling	Yes	[332]	2002	CP 2002	17	9	13	478	930
Muscettola02 Muscettola02	N. Muscettola	Computing the Envelope for Stepwise-Constant Resource Allocations	Yes	[454]	2002	CP 2002	16	14	4	540	931
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[612]	2002	CP 2002	1	6	1	609	932
ZhuS02 ZhuS02	Kenny Qili Zhu, Andrew E. Santosa	A Meeting Scheduling System Based on Open Constraint Programming	Yes	[665]	2002	CAiSE 2002	5	0	5	639	933
Thorsteinsson01 Thorsteinsson01	Erlendur S. Thorsteinsson	Branch-and-Check: A Hybrid Framework Integrating Mixed Integer Programming and Constraint Logic Programming	Yes	[587]	2001	CP 2001	15	67	12	597	934
VanczaM01 VanczaM01	J. Váncza, A. Márkus	A Constraint Engine for Manufacturing Process Planning	Yes	[610]	2001	CP 2001	15	2	19	607	935
VerfaillieL01 VerfaillieL01	G. Verfaillie, M. Lemaître	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View	Yes	[611]	2001	CP 2001	15	11	6	608	936
AngelsmarkJ00 AngelsmarkJ00	O. Angelsmark, P. Jonsson	Some Observations on Durations, Scheduling and Allen's Algebra	Yes	[18]	2000	CP 2000	5	1	9	331	937

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FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[215]	2000	AIPS 2000	10	0	0	420	938
DorndorfPH99 DorndorfPH99	U. Dorndorf, E. Pesch, Toàn Phan Huy	Recent Developments in Scheduling	No	[188]	1999	Operations Re- search Proceedings 1999	null	0	34	No	939
KorbaaYG99 KorbaaYG99	O. Korbaa, P. Yim, J. Gentina	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming	Yes	[351]	1999	ECC 1999	8	1	0	488	940
Simonis99 Simonis99	H. Simonis	Building Industrial Applications with Constraint Programming	Yes	[558]	1999	CCL'99 1999	39	5	18	581	941
CestaOS98 CestaOS98	A. Cesta, A. Oddi, Stephen F. Smith	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints	Yes	[144]	1998	CP 1998	1	5	0	393	942
FrostD98 FrostD98	D. Frost, R. Dechter	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units	Yes	[224]	1998	CP 1998	1	10	2	426	943
GruianK98 GruianK98	F. Gruian, K. Kuchcinski	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming	Yes	[264]	1998	EUROMICRO 1998	8	5	10	451	944
PembertonG98 PembertonG98	Joseph C. Pemberton, Flavius Galiber III	A constraint-based approach to satellite scheduling	Yes	[494]	1998	DIMACS 1998	14	26	0	552	945
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[518]	1998	CP 1998	15	19	10	565	946
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	348	947
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	356	948
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	[116]	1997	PACT 1997	18	0	0	No	949
Caseau97 Caseau97	Y. Caseau	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel	Yes	[137]	1997	CP 1997	4	0	0	390	950
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[491]	1997	PACT 1997	20	0	0	No	951
BrusoniCLMMT96 BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[123]	1996	ISMIS 1996	10	1	9	385	952
Colombani96 Colombani96	Y. Colombani	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem	Yes	[157]	1996	CP 1996	15	4	5	402	953
Zhou96 Zhou96	J. Zhou	A Constraint Program for Solving the Job-Shop Problem	Yes	[662]	1996	CP 1996	15	10	7	637	954
Goltz95 Goltz95	H. Goltz	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling	Yes	[252]	1995	CP 1995	14	7	7	444	955
Puget95 Puget95	J. Puget	Applications of Constraint Programming	Yes	[510]	1995	CP 1995	4	6	2	560	956
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[557]	1995	CP 1995	4	7	3	579	957
Simonis95a Simonis95a	H. Simonis	Application Development with the CHIP System	Yes	[556]	1995	CONTESSA 1995	21	1	12	580	958
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[561]	1995	CP 1995	14	17	8	582	959
Touraivane95 Touraivane95	Touraivane	Constraint Programming and Industrial Applications	Yes	[593]	1995	CP 1995	3	2	1	600	960
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	[326]	1994	ILPS 1994	1	0	0	No	961
NuijtenA94 NuijtenA94	W. P. M. Nuijten, Emile H. L. Aarts	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling	Yes	[478]	1994	ECAI 1994	5	0	0	545	962
Wallace94 Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[624]	1994	Constraint Pro- gramming 1994	19	0	0	No	963

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BaptisteLV92	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on	Yes	[51]	1992	ICRA 1992	6	13	6	347	964
BaptisteLV92		constraint logic programming									
ErtlK91 ErtlK91	M. Anton Ertl, A. Krall	Optimal Instruction Scheduling using Constraint	Yes	[200]	1991	PLILP 1991	12	14	14	418	965
		Logic Programming									

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, activity, flow-shop, order, transportation, machine, make-span, resource		cycle, alwaysIn, cumulative, noOverlap, endBeforeStart		CPO, Cplex	steel cable	mining industry	real-world		1	642
AbrilSB05 [4]	1	distributed, scheduling, multi-agent, order					railway				244	885
Acuna-AgostMFG09 [5]	2	re-scheduling, order, scheduling, transportation					railway		Roadef		202	843
AkkerDH07 [606]	15	resource, due-date, scheduling, make-span, precedence, order, cmax, completion-time, machine, job, lateness, release-date, sequence dependent setup, preempt	RCPSP, single machine, parallel machine	cumulative		Cplex					225	866
AlesioNBG14 [181]	18	preempt, job-shop, distributed, scheduling, completion-time, make-span, resource, open-shop, order, job, activity, task		alldifferent		OPL, Cplex	automotive		benchmark		137	778
AmadiniGM16 [17]	7	scheduling, make-span, resource, task, distributed, lazy clause generation, precedence	RCPSP	cumulative		MiniZinc, Gecode, Choco Solver, Gurobi, OR-Tools			benchmark, github, real-life		100	741
AngelsmarkJ00 [18]	5	resource, job, order, scheduling, task, job-shop									296	937
AntunesABD18 [19]	8	activity, earliness, scheduling, machine, due-date, order, re-scheduling, task, lateness		bin-packing		OZ, Cplex		electricity industry	industry partner, real-world, industrial partner		70	711
AntuoriHHEN20 [21]	16	release-date, resource, job, order, due-date, completion-time, tardiness, scheduling, machine, task, job-shop, precedence		alldifferent, circuit, cycle		Choco Solver	torpedo		random instance, generated instance, gitlab, benchmark, industrial instance		44	685
AntuoriHHEN21 [22]	16	release-date, resource, transportation, job, order, due-date, tardiness, scheduling, machine, task, job-shop, precedence		cycle	C++, Java	Choco Solver, Gecode	automotive, car manufacturing, drone	automotive industry	gitlab, supplementary material		32	673
ArbaouiY18 [24]	10	setup-time, order, machine, make-span, sequence dependent setup, completion-time, cmax, resource, job, scheduling	single machine, parallel machine	alternative constraint, noOverlap, cumulative	C++	OZ, Cplex			benchmark		71	712

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ArmstrongGOS21 [26]	18	machine, transportation, flow-shop, job-shop, scheduling, job, make-span, order, completion-time, sequence dependent setup, preempt, resource, setup-time, precedence, task, cmax	HFF	alternative constraint, cycle, table constraint, circuit, diffn, bin-packing, cumulative	Java, Prolog	OZ, MiniZinc, CPO, Chuffed, Gecode, SICStus, Cplex, CHIP	robot	packaging industry	instance generator, industry partner, zenodo, supplementary material, real-world, industrial partner, benchmark	energetic reasoning	33	674
ArmstrongGOS22 [27]	13	machine, transportation, flow-shop, scheduling, job, re-scheduling, make-span, order, completion-time, resource, task, cmax	HFF, parallel machine	noOverlap, cumulative	Prolog	OZ, OPL, SICStus			real-world, benchmark		16	657
AronssonBK09 [29]	13	job-shop, transportation, order, job, task		cumulative	Prolog	Cplex, CHIP	railway		real-world, real-life	sweep	203	844
ArtiguesBF04 [30]	13	job, batch process, cmax, make-span, release-date, resource, precedence, completion-time, sequence dependent setup, job-shop, setup-time, preempt, scheduling, order, machine		disjunctive	C++	Ilog Scheduler, Ilog Solver			benchmark	edge-finding	264	905
ArtiguesHQT21 [32]	8	resource, order, preempt, scheduling, machine, release-date, job	RCPSP	cumulative		Cplex, OZ					34	675
ArtiouchineB05 [34]	15	re-scheduling, release-date, scheduling, order, completion-time, job, resource, make-span, activity, preempt, open-shop, machine, precedence, job-shop	parallel machine, single machine	disjunctive, cumulative		Ilog Scheduler	aircraft		generated instance, random instance	not-last, edge-finding, not-first	245	886
Astrand0F21 [36]	18	resource, open-shop, task, machine, precedence, job-shop, make-span, order, job, activity, scheduling		cycle, disjunctive		Gecode	farming, drone, forestry, robot, satellite, agriculture	potash industry, mining industry, mineral industry	benchmark, real-world, real-life, generated instance		35	676
AstrandJZ18 [37]	9	resource, task, machine, make-span, order, activity, scheduling	single machine	disjunctive, cumulative, cycle		Gecode	hoist, robot	potash industry		time-tabling	72	713
BadicaBIL19 [40]	11	completion-time, resource, order, activity, machine, multi-agent, distributed, make-span, scheduling		cycle		ECLiPSe, Gecode			github		55	696
BajestaniB11 [41]	8	resource, scheduling, machine, inventory, transportation, due-date, order, tardiness, job, make-span, re-scheduling	JSSP, single machine	cumulative, cycle, circuit		Ilog Solver, Cplex	railway, aircraft				178	819
Baptiste09 [45]	1	scheduling									204	845
BaptisteLV92 [51]	6										323	964
BaptisteP97 [48]	15	resource, task, preempt, precedence, release-date, flow-shop, job-shop, scheduling, re-scheduling, make-span, order, job, activity, due-date	RCPSP	disjunctive, cumulative	C++	Claire, CHIP			benchmark	edge-finding, edge-finder	306	947

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BarlattCG08 [52]	5	scheduling, resource, setup-time, job, task, machine, flow-shop, job-shop, transportation						automotive, pipeline		real-world		214	855
Bartak02 [54]	16	make-span, scheduling, machine, continuous-process, job, resource, activity, lateness, job-shop, task, precedence, earliness, order			disjunctive, cumulative	Prolog	SICStus, OZ	dairies		real-life	edge-finding, time-tabling	283	924
Bartak02a [53]	15	activity, re-scheduling, earliness, job-shop, resource, scheduling, make-span, task, precedence, order, machine, tardiness, job			cumulative, disjunctive		Ilog Scheduler	dairies		benchmark, real-life	time-tabling, edge-finding	284	925
BartakV15 [59]	12	job-shop, resource, scheduling, make-span, precedence, order, machine, job, lateness, activity, re-scheduling, setup-time								real-world, real-life	sweep	119	760
BartoliniBBLM14 [60]	16	resource, tardiness, task, job, activity, make-span, machine, scheduling			alternative constraint, cumulative			super-computer				138	779
BarzegaranZP20 [61]	9	re-scheduling, resource, distributed, machine, task, scheduling, order				Java	OR-Tools	automotive, robot				45	686
Beck06 [63]	10	due-date, flow-shop, order, scheduling, make-span, machine, resource, job, job-shop, tardiness					Ilog Scheduler			benchmark		236	877
BeckDF97 [65]	15	precedence, release-date, due-date, re-scheduling, make-span, order, scheduling, resource, inventory, machine, job, job-shop, task, activity	single machine	ma-	cycle, cumulative			robot		benchmark, real-world	edge-finding	307	948
BeckPS03 [69]	10	job, job-shop, task, activity, precedence, release-date, due-date, re-scheduling, make-span, transportation, earliness, order, tardiness, scheduling, flow-time, resource, completion-time, machine, setup-time	RCPSP				Ilog Scheduler	robot		benchmark, real-world		276	917
BeckW04 [71]	5	job-shop, machine, job, activity, order, distributed, make-span, scheduling, flow-shop, resource	single machine	ma-			Ilog Scheduler				edge-finding, time-tabling	265	906
BeckW05 [72]	6	job-shop, job, activity, order, make-span, scheduling, flow-shop, resource					Ilog Scheduler				edge-finder	246	887
BehrensLM19 [76]	7	order, setup-time, resource, task, machine, distributed, multi-agent, scheduling, make-span				Python	OR-Tools, MiniZinc, OZ	robot		real-world, github		56	697
BeldiceanuC02 [79]	17	order, producer/consumer, scheduling, machine, task, resource, activity	single machine	ma-	cumulative	Prolog	SICStus, CHIP, OZ	crew-scheduling		real-life, random instance, benchmark	sweep	285	926

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	resource, task, scheduling, order		geost, cumulative, disjunctive	Prolog	SICStus, CHIP, OPL	rectangle-packing, perfect-square		benchmark	edge-finding, sweep	215	856
BeldiceanuP07 [82]	15	preempt, scheduling, release-date, task, resource, order, due-date		cumulative, disjunctive						sweep	226	867
BenderWS21 [84]	16	preempt, activity, task, order, machine, make-span, job, distributed, resource, setup-time, scheduling	RCPSP	noOverlap	Python		agriculture				36	677
BenediktSMVH18 [87]	10	job-shop, scheduling, order, job, preempt, resource, machine	single machine, parallel machine	noOverlap		OZ, Gurobi	energy-price		github, random instance, generated instance		73	714
BeniniBGM06 [88]	15	activity, task, distributed, tardiness, precedence, scheduling, make-span, resource, order, setup-time		cycle, cumulative		ECLiPSe, Cplex, Ilog Solver, OZ	automotive, pipeline		real-life		237	878
BeniniLMR08 [89]	15	resource, order, activity, task, machine, preempt, release-date, distributed, tardiness, precedence, scheduling, make-span	SCC	circuit		Ilog Scheduler, Cplex, OZ	medical, pipeline		benchmark		216	857
BertholdHLMS10 [92]	5	precedence, scheduling, order, completion-time, job, resource, preempt	psplib, RCPSP	disjunctive, cumulative		Cplex, SCIP, Z3					194	835
BessiereHMQW14 [93]	16	scheduling, order, job, resource, setup-time, task, machine		alldifferent, cycle		Choco Solver	satellite	textile industry	benchmark, real-life		139	780
BillautHL12 [95]	15	tardiness, precedence, release-date, flow-shop, job-shop, make-span, order, setup-time, job, scheduling, completion-time, due-date, resource, open-shop, machine, cmax	single machine	cycle		Mistral, Cplex			random instance		165	806
Bit-Monnot23 [96]	8	precedence, scheduling, machine, distributed, order, job, make-span, open-shop, task, lazy clause generation, job-shop, resource, activity	Open Shop Scheduling Problem, OSP	cycle, cumulative, disjunctive		OR-Tools, MiniZinc, CPO, Mistral			real-world, github, benchmark		2	643
BofillCSV17 [103]	9	machine, preempt, cmax, lazy clause generation, precedence, scheduling, make-span, resource, order, activity	RCPSP, psplib	cumulative		Z3, SCIP			benchmark	energetic reasoning	87	728
BofillEGPSV14 [104]	16	order, scheduling, lazy clause generation, machine, task				Cplex, Gecode, MiniZinc, SCIP			industrial stance	in-	140	781
BofillGSV15 [105]	9	machine, scheduling, order				Cplex			industrial stance	in-	120	761
BogaardtW19 [607]	16	scheduling, completion-time, order, setup-time, job, machine, job-shop, tardiness, precedence	single machine, parallel machine	noOverlap	C	OPL, Cplex	railway		benchmark		57	698

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BonfiettiLBM11 [107]	15	scheduling, order, job, resource, make-span, activity, machine, precedence, task, job-shop	RCPSP	cumulative, cycle		Ilog Solver	hoist, robot		generated instance, industrial instance, benchmark		179	820
BonfiettiLBM12 [108]	16	scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, job-shop	RCPSP	cumulative, cycle		Ilog Solver	hoist, robot		benchmark	time-tabling	166	807
BonfiettiLM13 [110]	5	make-span, job-shop, precedence, resource, activity, job, order, scheduling	RCPSP	cumulative, cycle		Cplex					152	793
BonfiettiLM14 [111]	16	make-span, machine, task, job-shop, precedence, open-shop, resource, activity, job, distributed, order, scheduling	RCPSP, psplib	cumulative					real-world, benchmark		141	782
BonfiettiM12 [112]	3	job, task, precedence, job-shop, resource, activity, scheduling, machine	RCPSP	cumulative			hoist		industrial instance		167	808
BonfiettiZLM16 [113]	17	resource, make-span, activity, precedence, scheduling, order	RCPSP	cumulative, cycle, disjunctive		OR-Tools	automotive	automotive industry, control system industry	generated instance, github, industrial instance, benchmark, real-world	edge-finder, sweep	101	742
BoothNB16 [114]	17	distributed, resource, scheduling, task, machine, precedence, order, activity, re-scheduling		disjunctive, cumulative, noOverlap	C++	Cplex	robot, medical		real-world		102	743
BoudreaultSLQ22 [117]	16	lazy clause generation, order, activity, make-span, machine, scheduling, cmax, transportation, distributed, resource, preempt, precedence, task	RCPSP, psplib	disjunctive, cumulative		Chuffed, MiniZinc, OR-Tools, OPL	offshore	ship repair industry	benchmark, generated instance, supplementary material, github, real-life, industrial partner, github, real-world	not-last, energetic reasoning, edge-finding, not-first	17	658
BridiLBBM16 [121]	2	resource, task, machine, distributed, make-span, order, job, activity, scheduling									103	744
BrusoniCLMMT96 [123]	10	resource, activity, precedence, task, distributed, due-date, job-shop, scheduling, order, job		disjunctive	Prolog		railway				311	952
BurtLPS15 [124]	17	task, machine, precedence, order, tardiness, job, job-shop, resource, scheduling, make-span, completion-time	parallel machine, single machine	cumulative, cycle		Cplex, Gurobi, Gecode, MiniZinc			real-world, benchmark, industry partner		121	762
CappartS17 [129]	16	machine, activity, job, precedence, re-scheduling, resource, job-shop, scheduling, task, order, completion-time	TMS	cumulative, noOverlap, alternative constraint, span constraint		OPL, OZ	railway		bitbucket, random instance, real-life		88	729
CappartTSR18 [130]	17	resource, setup-time, producer/consumer, scheduling, transportation, order, activity		cumulative, noOverlap, circuit, disjunctive		Cplex, MiniZinc, OPL, CPO	medical, patient		bitbucket, CSPLib, real-life		74	715

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
CarchraeBF05 [132]	1	scheduling, order, task, make-span									247	888
Caseau97 [137]	4	preempt, make-span, order, scheduling, job, resource, job-shop, task		cumulative			robot		benchmark	edge-finding	309	950
CatusseCBL16 [139]	7	release-date, resource, due-date, scheduling, order, machine, job, task	parallel machine, single machine	disjunctive	Julia	OPL					104	745
CauwelaertDMS16 [140]	16	batch process, task, job, job-shop, order, activity, make-span, machine, scheduling, completion-time, setup-time, resource, sequence dependent setup, preempt, precedence		cumulative, disjunctive	Java		container terminal		real-life, bit-bucket, benchmark	not-last, edge-finding, not-first	105	746
CestaOS98 [144]	1	resource, scheduling, job					robot				301	942
ChapadosJR11 [145]	6	activity, scheduling, order, task		cycle, cumulative		OPL		retail industry		time-tabling	180	821
ChuGNSW13 [147]	7	distributed, resource, scheduling, precedence, order, task, machine, job		disjunctive, cumulative, alldifferent		CHIP				not-first, not-last, edge-finding	153	794
ChuX05 [148]	15	scheduling, machine, resource, job, release-date, order, due-date, completion-time	single machine	disjunctive, cumulative		ECLiPSe					248	889
CireCH13 [149]	7	make-span, tardiness, scheduling, machine, job, resource, precedence, task, order		circuit, cumulative		OPL, SCIP, Cplex, OZ					154	795
ClercqPBJ11 [151]	16	resource, order, activity, due-date, release-date, distributed, precedence, scheduling, completion-time		alldifferent, cumulative	Java	CHIP, Choco Solver			benchmark	time-tabling, sweep, energetic reasoning, edge-finding	181	822
CobanH10 [152]	5	distributed, tardiness, job, preempt, re-scheduling, make-span, order, scheduling		circuit, disjunctive		OPL, Cplex					195	836
CohenHB17 [154]	17	scheduling, task, machine, order, activity		alternative constraint, noOverlap		OZ, OPL, Cplex				time-tabling	89	730
ColT19 [156]	17	earliness, order, scheduling, precedence, make-span, machine, resource, job, job-shop	JSSP	noOverlap, disjunctive	Java	MiniZinc, CPO, OR-Tools			github, benchmark, real-world		58	699
Colombani96 [157]	15	job, scheduling, resource, order, task, preempt, activity, due-date, machine, precedence, release-date, job-shop		disjunctive		CHIP					312	953
DannaP03 [162]	5	machine, job, job-shop, activity, earliness, order, tardiness, scheduling, resource		disjunctive		Cplex, Ilog Solver, Ilog Scheduler			benchmark		277	918
Davenport10 [164]	5	resource, release-date, tardiness, scheduling, completion-time, order, earliness, due-date				Cplex	semiconductor				196	837

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
DavenportKRS07 [165]	13	make to order, activity, machine, sequence dependent setup, preempt, precedence, resource, inventory, job-shop, order, scheduling, job, setup-time		disjunctive, bin-packing	C++	Cplex, CHIP		steel industry			227	868
DejemeppeCS15 [173]	16	completion-time, tardiness, job-shop, scheduling, sequence dependent setup, make-span, machine, release-date, task, precedence, setup-time, job, resource, order, preempt, activity	single machine	disjunctive, cumulative, cycle			container terminal		real-world, bitbucket, generated instance, benchmark	not-last, not-first, edge-finding	122	763
DejemeppeD14 [174]	9	make-span, precedence, job-shop, resource, activity, setup-time, scheduling, order, job		cumulative			medical, patient		bitbucket		142	783
DemirovicS18 [177]	18	scheduling, order, task, resource, activity, precedence		cumulative, disjunctive		MiniZinc, Gurobi, OZ			real-world, benchmark	time-tabling	75	716
DerrienP14 [179]	9	resource, scheduling, activity, order, make-span	psplib, CuSP	cumulative	Java	Choco Solver			random instance	sweep, edge-finding, energetic reasoning sweep	143	784
DerrienPZ14 [180]	9	re-scheduling, make-span, scheduling, resource, order, job, activity, machine, precedence	RCPSP, CuSP	cumulative		Choco Solver, CHIP			benchmark, random instance, real-world		144	785
DilkinaDH05 [182]	5	machine, precedence, job-shop, make-span, job, scheduling, order				OPL					249	890
DoomsH08 [186]	16	scheduling, resource, completion-time, machine, job, job-shop, activity, task, order	RCPSP					services industry			217	858
DoulabiRP14 [189]	9	activity, scheduling, due-date, resource, task, order		bin-packing		Cplex	surgery, nurse, operating room, medical, patient				145	786
EdisO11 [191]	7	task, job, completion-time, activity, lateness, earliness, resource, make-span, scheduling, flow-time, preempt, tardiness, due-date, machine	parallel machine	bin-packing, noOverlap, cumulative		OPL, Cplex					182	823
EfthymiouY23 [194]	16	order, job, make-span, re-scheduling, task, job-shop, scheduling, machine, setup-time	CHSP, JSSP	cumulative, disjunctive, cycle	Python	OPL, OR-Tools	pipeline, hoist, electroplating, satellite		benchmark, random instance, generated instance, real-life, industrial instance		3	644
ElkhyariGJ02 [197]	6	resource, activity, precedence, scheduling, machine, due-date, preempt, make-span, re-scheduling, task	RCPSP	cumulative, disjunctive, table constraint							286	927
ElkhyariGJ02a [198]	24	activity, re-scheduling, order, due-date, scheduling, task, precedence, open-shop, resource	RCPSP, psplib	cumulative, disjunctive		OZ, OPL			benchmark, real-life	time-tabling	287	928

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ErtIK91 [200]	12	setup-time, resource, scheduling, order, machine, task		cycle	Prolog		pipeline		real-world, benchmark		324	965
EvenSH15 [203]	18	preempt, transportation, order, scheduling, machine, distributed, resource, completion-time, task		disjunctive, cumulative		OPL, Choco Solver	emergency service		real-life, real-world	sweep	123	764
FocacciLN00 [215]	10	due-date, task, machine, preempt, job-shop, distributed, cmax, precedence, scheduling, make-span, sequence dependent setup, resource, open-shop, order, setup-time, job, activity		disjunctive					real-world	edge-finding	297	938
FontaineMH16 [216]	11	order, machine, job, task, completion-time, make-span, job-shop, resource, precedence, scheduling	parallel machine	disjunctive		MiniZinc, Gurobi, CHIP			benchmark		106	747
FortinZDF05 [218]	15	resource, order, task, activity, temporal constraint reasoning, precedence, make-span, scheduling	psplib								250	891
FrankK05 [219]	18	order, scheduling, job, resource, due-date, task, precedence		cycle			satellite, aircraft		benchmark		251	892
FrimodigS19 [221]	17	resource, order, task, machine, job-shop, job, scheduling		regular presson, cumulative, bin-packing	ex- Python	Gecode, Cplex, MiniZinc, OZ	radiation therapy, surgery, medical, patient, nurse, physician		benchmark, real-world		59	700
FrohnerTR19 [223]	9	scheduling, order, distributed			Java, Python	MiniZinc, Gecode, Gurobi	nurse		benchmark, real-world		60	701
FrostD98 [224]	1	order, scheduling						power industry			302	943
GalleguillosKSB19 [225]	18	re-scheduling, machine, distributed, resource, order, activity, job, scheduling, make-span	JSSP	cumulative, alternative constraint	Python	OR-Tools, OZ	super-computer, datacenter				61	702
GarganiR07 [226]	13	order, machine, resource, inventory		bin-packing	C++	OPL	steel mill	steel industry	real-life, CSPLib		228	869
GayHLS15 [229]	9	precedence, task, order, make-span, resource, scheduling, activity	OSP, psplib, RCPSP	cumulative, disjunctive					benchmark, bitbucket	edge-finding, time-tabling	124	765
GayHS15 [230]	9	scheduling, precedence, resource, preempt, task, order		cumulative, table constraint, disjunctive		Choco Solver, OR-Tools, Gecode			bitbucket	time-tabling, sweep	125	766
GayHS15a [231]	16	manpower, task, order, preempt, resource, scheduling, machine	psplib, RCPSP	cumulative, disjunctive	Java				benchmark, bitbucket, real-world	time-tabling, not-first, not-last, energetic reasoning, edge-finding, sweep	126	767

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GaySS14 [232]	15	machine, job, completion-time, activity, order, setup-time, make-span, scheduling, precedence, manpower, continuous-process, resource, job-shop		cycle, cumulative, disjunctive			steel mill		real-life, CSPlib	sweep	147	788
GeibingerKKMMW21 [234]	10	distributed, scheduling				MiniZinc, OR-Tools, Gurobi, Cplex, Gecode	nurse, physician, COVID, medical, patient	pharmaceutical industry	real-world		37	678
GeibingerMM19 [236]	16	precedence, release-date, resource, activity, re-scheduling, job, order, due-date, completion-time, scheduling, make-span, task	RCPSP	alternative constraint, noOverlap, cumulative, endBeforeStart	Java	Cplex, Gecode, MiniZinc	automotive		real-life, generated instance, industrial partner, real-world, benchmark	time-tabling	62	703
GeibingerMM21 [237]	9	lazy clause generation, precedence, release-date, resource, activity, job, order, due-date, completion-time, tardiness, scheduling, machine, task	RCPSP	disjunctive, cumulative		CPO, Chuffed, Cplex	nurse, operating room		real-life, github, generated instance, real-world, benchmark	time-tabling	38	679
GeitzGSSW22 [238]	18	make-span, order, setup-time, job, scheduling, completion-time, sequence dependent setup, resource, task, machine, preempt, producer/consumer, lateness, lazy clause generation, precedence, job-shop, batch process, transportation	single machine, RCPSP, JSSP	cumulative		OZ, OPL	robot		real-life, github, real-world	not-last, sweep	18	659
GelainPRVW17 [239]	16	resource, scheduling, order							CSPlib, real-life, benchmark		90	731
Geske05 [241]	18	machine, task, re-scheduling, job, activity, order, distributed, resource, scheduling, lateness, job-shop		cumulative	Prolog	CHIP, SIC-Stus	railway		real-life		252	893
GilesH16 [243]	16	inventory, setup-time, activity, task, transportation, order, scheduling, resource		cumulative, disjunctive		Cplex	pipeline	petro-chemical industry, chemical processing industry, chemical industry			107	748
GingrasQ16 [244]	7	resource, scheduling, task, order, make-span, completion-time, precedence	psplib, CuSP, RCPSP	disjunctive, cumulative		Choco Solver			benchmark	sweep, edge-finder, edge-finding, energetic reasoning	108	749
GodardLN05 [245]	9	scheduling, activity, order, completion-time, earliness, machine, make-span, job, precedence, tardiness, resource, job-shop	JSSP	table constraint, cumulative, disjunctive		OZ, Ilog Scheduler, Ilog Solver			benchmark		253	894

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GodetLHS20 [247]	8	lazy clause generation, setup-time, release-date, scheduling, task, order, machine, make-span, cmax, completion-time, resource, job	parallel machine, PMSP, single machine	alldifferent, bin-packing, cumulative, disjunctive		OZ, Choco Solver, CHIP, Chuffed	satellite		github, real-life, benchmark, generated instance	not-last, time-tabling	46	687
GoldwaserS17 [250]	16	scheduling, machine, transportation, due-date, order, lazy clause generation, resource		cumulative, disjunctive	Python	Gurobi, Gecode	torpedo	steel industry	instance generator, github, generated instance benchmark		91	732
Goltz95 [252]	14	due-date, machine, task, job, completion-time, order, resource, scheduling, precedence, job-shop		cumulative, disjunctive	Prolog	CHIP				edge-finding	314	955
GomesHS06 [254]	2	scheduling, distributed, task, multi-agent, order				Ilog Solver			real-life		238	879
GrimesH10 [256]	15	cmax, machine, job, setup-time, job-shop, flow-shop, sequence dependent setup, open-shop, task, batch process, resource, scheduling, make-span, precedence, order	Open Shop Scheduling Problem	disjunctive, cumulative, cycle		OZ		steel industry	benchmark	time-tabling, edge-finding	197	838
GrimesH11 [257]	17	cmax, completion-time, machine, tardiness, job, release-date, earliness, lazy clause generation, job-shop, flow-shop, open-shop, task, due-date, resource, scheduling, make-span, precedence, order	RCPSP	disjunctive, cumulative		Cplex, Ilog Scheduler, Ilog Solver, OZ, OPL			benchmark	edge-finding	183	824
GrimesHM09 [259]	9	make-span, resource, job, precedence, open-shop, scheduling, task, order, job-shop, machine	Open Shop Scheduling Problem, OSP	disjunctive	Java	Choco Solver, Ilog Scheduler, Mistral			benchmark	not-last, edge-finding	205	846
GroleazNS20 [263]	17	tardiness, precedence, release-date, job-shop, setup-time, job, scheduling, resource, order, machine, inventory, preempt, due-date	GCSP	noOverlap, cycle, cumulative, circuit		CPO, OR-Tools		food industry	benchmark, industrial instance		47	688
GroleazNS20a [262]	9	scheduling, machine, inventory, transportation, due-date, distributed, order, tardiness, job, release-date, precedence, resource, setup-time, preempt	parallel machine, RCPSP	cycle, noOverlap, cumulative		Cplex, CPO		food industry	industrial partner, benchmark		48	689
GruianK98 [264]	8	task, resource, scheduling, order, activity, re-scheduling		cumulative, cycle, diffn, circuit		OPL, CHIP	pipeline, aircraft		benchmark		303	944
GuSS13 [265]	7	lazy clause generation, activity, order, distributed, scheduling, precedence, make-span, machine, resource	single machine	cumulative					benchmark	edge-finding, edge-finder, time-tabling	155	796
GuSW12 [267]	15	lazy clause generation, activity, order, preempt, scheduling, precedence, make-span, cmax, resource, job		cumulative	C++				benchmark		168	809

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HananKP21 [277]	17	job-shop, resource, scheduling, make-span, completion-time, task, machine, precedence, order, cmax, tardiness, job, lateness, preempt, release-date, due-date	RCPSP, CuSP, parallel machine	cumulative	Python	Claire	pipeline		Roadef, generated instance, random instance	energetic reasoning	39	680
He0GLW18 [284]	18	distributed, machine, precedence, re-scheduling, transportation, multi-agent, order, scheduling			Python	Gurobi	real-time pricing, energy-price		real-world, bit-bucket		76	717
HebrardALLCMR22 [285]	7	activity, order, scheduling		cumulative	Julia	OZ, Claire	deep space			sweep	19	660
HebrardTW05 [287]	1	order, job, machine, job-shop, scheduling									254	895
HechingH16 [288]	11	re-scheduling, job, task, order, scheduling, manpower		circuit, noOverlap		OPL, Cplex, OZ	patient, medical		real-world		109	750
HeinzB12 [290]	17	activity, precedence, release-date, due-date, earliness, order, tardiness, scheduling, resource, completion-time, machine, job	single machine	cycle, cumulative, alternative constraint		SCIP, Cplex, Ilog Solver, Ilog Scheduler, OPL					169	810
HeinzKB13 [291]	16	release-date, job-shop, resource, scheduling, order, machine, tardiness, job	single machine	cumulative		SCIP, OPL, Cplex					156	797
HeinzS11 [293]	10	preempt, order, scheduling, resource, completion-time, machine, job	psplib, RCPSP	disjunctive, cumulative		SCIP, Cplex			benchmark	energetic reasoning, time-tabling	184	825
HentenryckM04 [298]	16	open-shop, resource, order, activity, job, due-date, completion-time, tardiness, scheduling, make-span, machine, task, job-shop, precedence		disjunctive, cycle, cumulative					benchmark		266	907
HentenryckM08 [299]	5	order		bin-packing			steel mill		CSPLib		218	859
HermenierDL11 [300]	15	precedence, distributed, resource, order, scheduling, completion-time, producer/consumer, machine, task		bin-packing, disjunctive, alldifferent, cumulative, cycle, table constraint		OZ, Choco Solver	datacenter				185	826
HillTV21 [302]	19	scheduling, machine, job, resource, activity, flow-shop, release-date, task, precedence, order, preempt, lazy clause generation, make-span	RCPSP, psplib, single machine	cycle, cumulative, alternative constraint					real-world		40	681
HoYLLCLC18 [303]	6	resource, task, machine, distributed, re-scheduling, order, job, scheduling			C		nurse, medical, patient		real-world		77	718
HoeveGSL07 [609]	6	re-scheduling, job, precedence, distributed, resource, task, job-shop, multi-agent, scheduling, machine, order		disjunctive		Ilog Scheduler, Cplex			benchmark	edge-finding	229	870
Hooker04 [305]	12	machine, task, precedence, release-date, make-span, order, tardiness, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		267	908

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Hooker05a [307]	14	release-date, due-date, resource, scheduling, make-span, task, precedence, order, machine, tardiness, job		circuit, cumulative, disjunctive		OPL, Cplex, Ilog Scheduler					255	896
Hooker17 [311]	14	job, due-date, order, tardiness, scheduling, resource		circuit		OZ			benchmark, random instance		92	733
HookerY02 [315]	5	resource, scheduling, order, machine, job	RCPSP	disjunctive, cumulative							288	929
HoundjiSWD14 [317]	16	precedence, resource, scheduling, machine, inventory, transportation, due-date, order	single machine	circuit					bitbucket, generated instance		148	789
IfrimOS12 [320]	16	task, order, machine, job, re-scheduling, distributed, due-date, resource, scheduling		disjunctive			datacenter, energy-price		real-life		170	811
JelinekB16 [325]	10	scheduling, task, order, completion-time		table constraint, cumulative	Prolog	OZ, SICS-tus, OPL			real-life		110	751
JungblutK22 [327]	4	distributed, machine, make-span, scheduling, resource, order, task, preempt		circuit		MiniZinc			benchmark, github, real-world		20	661
JuvinHHL23 [328]	16	cmax, resource, job, setup-time, scheduling, task, order, job-shop, due-date, machine, preempt, make-span, flow-shop, completion-time, precedence	JSSP, parallel machine	endBeforeStart, disjunctive, alldifferent, cumulative, noOverlap	C++	CPO, Mistral			supplementary material, github, benchmark	not-last, edge-finding, not-first	4	645
JuvinHL23 [330]	16	make-span, completion-time, task, precedence, order, cmax, machine, tardiness, job, setup-time, job-shop, flow-shop, scheduling		noOverlap, end-BeforeStart		Cplex, CPO			real-world		5	646
KamarainenS02 [332]	17	machine, job-shop, resource, precedence, transportation, earliness, activity, job, order, preempt, scheduling	KRFP			ECLiPSe			real-world, benchmark		289	930
KameugneFGOQ18 [335]	17	resource, task, cmax, precedence, make-span, scheduling, order, completion-time	RCPSP, CuSP	cumulative, disjunctive	Java	CHIP, Choco Solver			benchmark, real-world	time-tabling, not-first, sweep, not-last, energetic reasoning	78	719
KameugneFND23 [336]	17	machine, resource, precedence, cmax, order, preempt, scheduling, make-span, completion-time, task, lazy clause generation	psplib, CuSP, RCPSP	disjunctive, cumulative	Java	CHIP, Choco Solver			benchmark	sweep, energetic reasoning, edge-finding, not-last, not-first, edge-finder, time-tabling	6	647
KameugneFSN11 [337]	15	job-shop, release-date, resource, precedence, job, order, preempt, scheduling, make-span, completion-time, task	RCPSP, psplib, CuSP	disjunctive, cumulative		Gecode			benchmark	edge-finding, not-last, not-first, time-tabling	186	827

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KelarevaTK13 [340]	17	order, tardiness, make-span, re-scheduling, task, resource, lazy clause generation, activity, precedence, scheduling, inventory, transportation, setup-time	Liner Shipping Fleet Repositioning Problem, BPCTOP, LSFRP, Bulk Port Cargo Throughput Optimisation Problem	alldifferent		Cplex, MiniZinc, OZ, SCIP	earth observation, shipping line, satellite		real-world		157	798
KeriK07 [342]	14	due-date, tardiness, temporal constraint reasoning, job, activity, order, earliness, make-span, scheduling, precedence, cmax, resource, job-shop	RCPSP	cycle	C++					edge-finding	230	871
KhemmoudjPB06 [344]	13	resource, stock level, distributed, order, scheduling		cycle, cumulative	C++	CHIP			real-world		239	880
KimCMLLP23 [345]	16	make-span, job, precedence, open-shop, distributed, tardiness, setup-time, earliness, job-shop, due-date, scheduling, order, transportation, machine	parallel machine, SCC	noOverlap	Python	Gurobi, OR-Tools		steel industry	real-world, benchmark, zenodo		7	648
KlankeBYE21 [346]	16	re-scheduling, make-span, order, job, activity, scheduling, completion-time, due-date, resource, task, machine, producer/consumer, job-shop, batch process		noOverlap, disjunctive, cumulative, circuit	Python	Gurobi, Cplex, CHIP, OR-Tools		food-processing industry	benchmark, random instance, real-life		41	682
KletzanderM17 [347]	15	scheduling, machine, resource, transportation, order	parallel machine			OZ	torpedo	steel industry			93	734
KorbaaYG99 [351]	8	job, resource, task, job-shop, scheduling, machine, flow-shop, order, transportation, make-span		cycle, circuit	Prolog	CHIP, Ilog Solver, OZ	robot, hoist				299	940
KoschB14 [353]	16	resource, completion-time, batch process, lateness, job-shop, release-date, due-date, multi-agent, order, cmax, make-span, scheduling, machine, distributed, job	single machine, RCPSP	cumulative, bin-packing, disjunctive	Java	Choco Solver, Cplex, OZ	semiconductor		benchmark		149	790
KovacsB07 [354]	15	order, tardiness, job, activity, preempt, release-date, earliness, due-date, job-shop, flow-shop, resource, scheduling, make-span, completion-time, machine	parallel machine, single machine	cumulative	C++	Ilog Solver			benchmark		231	872
KovacsEKV05 [357]	1	scheduling, resource, setup-time, job, job-shop, precedence							real-life		256	897

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KovacsTKSG21 [361]	17	resource, precedence, job-shop, due-date, preempt, scheduling, order, machine, tardiness, flow-shop, job, inventory, re-scheduling, task, distributed, release-date	RCPSP, single machine	cumulative		Gurobi, OR-Tools, Cplex			github, supplementary material, real-world, benchmark		42	683
KovacsV04 [359]	15	job, job-shop, resource, scheduling, make-span, task, machine, precedence, order	single machine	disjunctive, cumulative		Ilog Scheduler			industrial partner, benchmark, real-life	edge-finding	268	909
KovacsV06 [360]	13	tardiness, job, setup-time, earliness, job-shop, resource, scheduling, make-span, task, machine, precedence, order	RCPSP, single machine	cumulative		Ilog Scheduler	automotive		industrial partner, benchmark, generated instance		240	881
KreterSS15 [362]	17	scheduling, task, order, machine, preempt, activity, make-span, completion-time, resource, lazy clause generation	RCPSP, parallel machine	cumulative, diffn		Cplex, MiniZinc, CHIP, Chuffed			benchmark		127	768
KrogtLPHJ07 [608]	13	resource, order, job, inventory, activity, due-date, machine, job-shop, precedence, scheduling		circuit	Prolog	OPL	semiconductor aircraft		real-world		232	873
KucukY19 [368]	5	order, scheduling, distributed, resource, setup-time, sequence dependent setup, task		disjunctive, cycle, noOverlap		Cplex	satellite, earth observation		benchmark, generated instance	time-tabling	63	704
Kumar03 [367]	15	activity, order, scheduling, producer/consumer, resource		cycle						bi-partite matching, max-flow	278	919
Laborie09 [370]	15	task, precedence, order, machine, tardiness, job, activity, setup-time, release-date, inventory, earliness, sequence dependent setup, due-date, preempt, job-shop, resource, scheduling		noOverlap, endBeforeStart, alternative constraint, cumulative, disjunctive	C	OPL, CPO, OZ	aircraft, satellite		real-world, benchmark		206	847
Laborie18a [371]	9	resource, job, release-date, scheduling, task, due-date, machine, precedence		cumulative, alternative constraint		Ilog Scheduler, CPO, OPL			real-life, benchmark, real-world	energetic reasoning	79	720
LacknerMMWW21 [373]	18	release-date, flow-shop, batch process, setup-time, job, order, due-date, tardiness, scheduling, make-span, machine, task, lateness, earliness	parallel machine, OSP, single machine	noOverlap, cumulative, end-BeforeStart		Chuffed, Cplex, OPL, CPO, OZ, OR-Tools, MiniZinc, Gurobi	semiconductor oven scheduling	electronics industry, steel industry, manufacturing industry	random instance, industrial partner, benchmark, instance generator, real-life, supplementary material		43	684
LahimerLH11 [375]	14	resource, task, machine, preempt, cmax, precedence, make-span, order, job, scheduling, completion-time	parallel machine, RCPSP	disjunctive	C++	Ilog Scheduler			benchmark	energetic reasoning	187	828
LauLN08 [378]	5	order, distributed, inventory, resource, scheduling, flow-shop, transportation, job-shop, machine, job							benchmark, real-world		219	860

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LetortBC12 [383]	16	order, machine, make-span, precedence, resource, scheduling, task	psplib	cumulative, geost, bin-packing	Java, Prolog	Choco Solver, CHIP, SICStus	datacenter		Roadef, benchmark, random instance	sweep, edge-finding	171	812
LetortCB13 [384]	16	machine, make-span, precedence, resource, scheduling, task, order	psplib, RCPSP	cumulative, disjunctive, bin-packing	Java, Prolog	Choco Solver, SICStus			Roadef, benchmark, random instance	energetic reasoning, sweep, edge-finding	158	799
LiFJZLL22 [387]	6	task, machine, tardiness, job, buffer-capacity, flow-time, setup-time, distributed, job-shop, batch process, transportation, flow-shop, scheduling, make-span, order, completion-time	single machine			OZ, OPL	robot		benchmark		21	662
LimBTBB15 [391]	15	job-shop, scheduling, multi-agent, order, machine, tardiness, job, re-scheduling, earliness				OPL	HVAC		benchmark	time-tabling	128	769
LimHTB16 [390]	18	machine, activity, re-scheduling, multi-agent, order, scheduling, distributed		cumulative		OPL	real-time pricing, HVAC, energy-price		real-world		111	752
LimRX04 [389]	5	scheduling, preempt, machine, job, completion-time, order, transportation				OZ	container terminal		generated instance		269	910
Limtanyakul07 [392]	6	make-span, task, machine, release-date, resource, precedence, job, order, scheduling, due-date		cumulative		OPL	robot		real-life	energetic reasoning	233	874
LipovetzkyBPS14 [394]	9	scheduling, resource, precedence, task, order, transportation, make-span		disjunctive		Cplex	crew-scheduling		industrial partner, real-life, industry partner, real-world, benchmark, generated instance		150	791
LiuCGM17 [396]	17	transportation, order, cmax, scheduling, machine, task, activity			Python	OR-Tools, OPL, MiniZinc		tourism industry	github		94	735
LiuJ06 [397]	5	make-span, task, order, scheduling, resource		cycle, disjunctive							241	882
LiuLH19 [395]	9	order, resource, scheduling				Choco Solver, OZ			CSPlib, benchmark	time-tabling	64	705
LombardiBM15 [399]	16	completion-time, job-shop, resource, activity, precedence, scheduling, machine, distributed, order, job, make-span, task	JSSP, RCPSP, psplib						benchmark, real-world		129	770
LombardiBMB11 [400]	17	resource, order, activity, completion-time, scheduling, make-span, machine, task, precedence	RCPSP	cycle, cumulative	C++		hoist		benchmark, industrial instance, real-life		188	829

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LombardiM09 [401]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task, preempt	RCPSP			Ilog Solver			real-world, instance generator		207	848
LombardiM10 [403]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task	RCPSP	disjunctive, cumulative		Ilog Solver			real-world, benchmark		198	839
LombardiM13 [406]	2	precedence, make-span, order, activity, scheduling, resource, task	RCPSP, psplib								159	800
LouieVNB14 [412]	7	resource, job, scheduling, task, order, machine, activity		cycle		OPL	patient, robot				151	792
LuoB22 [416]	17	order, scheduling, resource, re-scheduling, machine, batch process, job, job-shop		diffn, bin-packing, alwaysIn, cumulative	Python	CHIP, Cplex	super-computer, railway, rectangle-packing		generated instance, github, real-life, real-world, industry partner, industrial instance		22	663
LuoVLBM16 [415]	4	task, machine, precedence, order, job, activity, job-shop, resource, scheduling					nurse			time-tabling	112	753
Madi-WambaB16 [417]	16	precedence, job, order, scheduling, task, resource		cumulative	Java	Choco Solver, CHIP			real-world, benchmark, random instance, generated instance		113	754
Madi-WambaLOBM17 [418]	8	machine, task, activity, re-scheduling, job, precedence, distributed, scheduling, order, resource		bin-packing, cumulative	Prolog	SICStus	datacenter		real-world	sweep	95	736
MakMS10 [419]	5	scheduling, due-date, order, machine, inventory, task, job, activity, transportation, precedence, resource		cycle							199	840
MalapertCGJLR13 [422]	2	cmax, open-shop, resource, preempt, precedence, flow-shop, task, job, job-shop, order, make-span, machine, scheduling	Open Shop Scheduling Problem, single machine	disjunctive, cumulative	Java	Choco Solver			real-life, benchmark		160	801
MalapertN19 [423]	17	make-span, scheduling, completion-time, sequence dependent setup, resource, order, setup-time, job, flow-time, task, machine, cmax	parallel machine, PMSP, PTC, single machine	noOverlap, alwaysIn, cumulative, alternative constraint		Cplex, CPO	semiconductor		generated instance, benchmark, industrial instance, Roadeff		65	706
MaraveliasG04 [426]	20					OZ					270	911
Mehdizadeh-Somarin23 [430]	14	multi-agent, job-shop, completion-time, re-scheduling, tardiness, machine, scheduling, cmax, flow-shop, job, task, setup-time, precedence, order, make-span, preempt	parallel machine, JSSP, single machine		Python	Cplex, OZ	robot, COVID		random instance		8	649
MelgarejoLS15 [11]	17	tardiness, scheduling, machine, task, precedence, transportation, setup-time, resource, order, job	single machine	circuit, disjunctive, alldifferent, noOverlap, table constraint		OZ, Cplex			real-world, benchmark		130	771

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Mercier-AubinGQ20 [437]	13	job, preempt, task, make-span, sequence dependent setup, setup-time, tardiness, precedence, resource, earliness, completion-time, machine, lazy clause generation, activity, job-shop, due-date, scheduling, order	RCPS	cycle, circuit, cumulative, disjunctive	C++, Python	OPL, MiniZinc		textile industry, manufacturing industry	industrial instance, industrial partner		49	690
MoffittPP05 [442]	6	scheduling, resource, order, activity, machine, cmax, make-span	Temporal Constraint Satisfaction Problem	cycle, disjunctive							257	898
MonetteDD07 [444]	14	precedence, job-shop, make-span, job, scheduling, completion-time, resource, open-shop, order, preempt, no preempt, task, machine	Open Shop Scheduling Problem, OSP	disjunctive		Gecode			benchmark	not-last, not-first, edge-finding	234	875
MonetteDH09 [445]	8	precedence, release-date, job-shop, tardiness, make-span, job, scheduling, completion-time, resource, order, preempt, activity, earliness, distributed, due-date, task, machine		cycle, disjunctive, cumulative					benchmark	not-last	208	849
MossigeGSMC17 [448]	18	activity, job, distributed, order, completion-time, preempt, scheduling, make-span, machine, task, job-shop, resource, precedence	FJS, single machine, RCPS	cumulative, cycle, disjunctive	Prolog	SICStus, CHIP	rectangle-packing, robot		industrial partner, real-world, benchmark, random instance, CSPLib, generated instance		96	737
MouraSCL08 [450]	16	scheduling, preempt, activity, order, transportation, inventory, precedence, distributed, resource		table constraint, disjunctive, cycle	C++	Ilog Solver, OZ, Ilog Scheduler	pipeline			max-flow	220	861
MouraSCL08a [449]	8	transportation, re-scheduling, order, scheduling, due-date, resource, inventory, distributed		disjunctive, cumulative	C++	Ilog Solver, Ilog Scheduler	pipeline		real-world, benchmark		221	862
MurinR19 [452]	16	job-shop, task, make-span, transportation, order, resource, scheduling, machine, setup-time, job, activity, completion-time, precedence	JSPT	noOverlap, alternative constraint, endBeforeStart		Cplex, OPL	patient, robot		real-life, benchmark, github		66	707
MurphyMB15 [453]	17	scheduling, task, order, machine, activity, re-scheduling, resource		cycle, circuit, cumulative, disjunctive	Java	Choco Solver		real-world			131	772
Muscettola02 [454]	16	job-shop, resource, activity, precedence, scheduling, order, job, cmax		cycle						edge-finding, max-flow	290	931
MusliuSS18 [455]	17	distributed, scheduling, activity, manpower, task, order, machine		cycle		Gecode, Gurobi, MiniZinc	operating room, nurse		generated instance, benchmark, real-life		80	721

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
NattafM20 [467]	16	setup-time, resource, scheduling, make-span, order, completion-time, machine, job, flow-time	single machine, PMSP, parallel machine, PTC	cumulative, noOverlap		CPO, Cplex	semiconductor		benchmark, industrial instance		50	691
NishikawaSTT18 [470]	6	make-span, order, resource, activity, task, distributed, precedence, scheduling		alternative constraint, endBeforeStart		Cplex, OZ	pipeline, robot		real-world, benchmark		81	722
NishikawaSTT18a [471]	6	task, order, activity, make-span, scheduling, distributed, resource, precedence, re-scheduling		endBeforeStart, alternative constraint		OZ, Cplex	robot, nurse, pipeline		real-world, benchmark, real-life		82	723
NuijtenA94 [478]	5	precedence, resource, job-shop, scheduling, preempt, order, completion-time, machine, make-span, job	JSSP	disjunctive	C++	Ilog Solver, CPO				time-tabling	321	962
OddiPCC03 [482]	15	preempt, distributed, resource, scheduling, precedence, order, completion-time, task, machine, activity	single machine	cycle	Java		satellite, earth observation		benchmark		279	920
OuelletQ13 [484]	16	scheduling, task, order, preempt, make-span, completion-time, precedence, resource	CuSP, RCPSP, psplib	cumulative, disjunctive		Choco Solver			benchmark	edge-finding, not-first, edge-finder, energetic reasoning, not-last, time-tabling, sweep	161	802
OuelletQ18 [485]	18	scheduling, task, order, make-span, completion-time, precedence, resource	RCPSP, psplib	cumulative, disjunctive	Java	OZ, Choco Solver			benchmark, Roadef	edge-finding, not-first, energetic reasoning, not-last, time-tabling	83	724
OuelletQ22 [486]	17	scheduling, task, order, preempt, activity, completion-time, resource, lazy clause generation		cumulative, disjunctive	Java	MiniZinc, Choco Solver	nurse		github, benchmark, random instance	edge-finding, not-first, energetic reasoning, not-last, time-tabling, sweep	23	664

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
OujanaAYB22 [487]	6	distributed, due-date, tardiness, make to order, precedence, flow-shop, job-shop, batch process, buffer-capacity, make-span, setup-time, job, scheduling, completion-time, sequence dependent setup, resource, open-shop, order, task, machine, preempt	PMSP, parallel machine, FJS, HFF	span constraint, noOverlap, disjunctive		CPO, OPL	COVID, robot	food industry, steel industry	benchmark, industrial instance, real-world, real-life		24	665
ParkUJR19 [493]	8	task, machine, flow-time, order, cmax, tardiness, job, lateness, preempt, no preempt, distributed, due-date, job-shop, flow-shop, resource, scheduling, make-span, open-shop, completion-time	parallel machine, single machine	endBeforeStart, cycle, noOverlap					real-world		67	708
PembertonG98 [494]	14	job-shop, resource, activity, preempt, scheduling, machine, order, job, task		geost, cycle		Ilog Solver, OPL	satellite, robot				304	945
PerezGSL23 [496]	7	resource, inventory, scheduling, task, order, machine, activity, make-span, completion-time, transportation, re-scheduling		table constraint, cumulative		OPL	operating room, nurse, steel mill, container terminal		real-world, generated instance		9	650
PesantRR15 [498]	16	activity, transportation, lazy clause generation, scheduling, order		cumulative, table constraint		Gurobi, Gecode, Ilog Solver					132	773
PoderB08 [500]	8	resource, producer/consumer, release-date, task, activity, preempt, due-date, order, scheduling		cumulative		CHIP				sweep	222	863
PopovicCGNC22 [504]	15	order, completion-time, scheduling, make-span, machine, task, resource, transportation, activity	TMS	cumulative, alwaysIn, noOverlap	C++, Prolog	Cplex, SICStus, CHIP, OZ	pipeline	electricity industry			25	666
PovedaAA23 [506]	21	make-span, resource, job, precedence, lazy clause generation, release-date, task, job-shop, scheduling, preempt, activity, order	RCPSP	cumulative, disjunctive	Python	Chuffed, Cplex, MiniZinc, CPO	automotive, aircraft		real-world, github, benchmark, industrial instance, real-life		10	651
Pralet17 [507]	19	setup-time, job, activity, precedence, job-shop, due-date, order, sequence dependent setup, make-span, resource, scheduling, machine	RCPSP, psplib, JSSP	cycle, cumulative, disjunctive		CPO, Cplex, CHIP	satellite		benchmark		97	738
PraletLJ15 [508]	16	order, job-shop, activity, make-span, precedence, resource, job, due-date, scheduling, tardiness, task	JSSP	alternative constraint, noOverlap, cycle		CPO, Cplex	earth observation, satellite				133	774
Puget95 [510]	4	resource, job-shop, task, job, activity, order, scheduling, transportation, manpower		disjunctive		OPL			benchmark		315	956
QuSN06 [513]	4	task, scheduling, distributed, resource, precedence		circuit	Prolog	SICStus					242	883

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
QuirogaZH05 [514]	6	release-date, tardiness, precedence, flow-shop, scheduling, completion-time, make-span, resource, order, inventory, activity, earliness, due-date, flow-time, task, machine				Ilog Solver, OPL, OZ, Ilog Scheduler, ECLiPSe	robot				258	899
RendlPHPR12 [516]	17	re-scheduling, job, scheduling, order, machine, transportation			Java	OZ	medical, patient, nurse		real-world, CSPlib, benchmark		172	813
RiahiNS018 [517]	9	flow-shop, completion-time, job, scheduling, distributed, tardiness, setup-time, order, buffer-capacity, machine, make-span, sequence dependent setup							real-world, real-life, benchmark		84	725
RodosekW98 [518]	15	task, order, transportation, machine, activity, make-span, job, resource, scheduling		circuit, disjunctive, cycle	Prolog	OPL, CHIP, ECLiPSe, Cplex	hoist, electroplating		benchmark		305	946
RossiTHP07 [524]	15	resource, inventory, scheduling, distributed, stock level, order		cumulative, cycle		OPL, Choco Solver					235	876
Sadykov04 [527]	7	release-date, due-date, preempt, scheduling, completion-time, task, precedence, machine, job, lateness	parallel machine, single machine	disjunctive						edge-finding	271	912
SchausD08 [530]	6	precedence, order, preempt, task		cycle, bin-packing		Ilog Solver, OPL			real-life, benchmark		223	864
SchuttCSW12 [535]	17	scheduling, resource, order, preempt, activity, lazy clause generation, precedence, make-span		cumulative		CHIP			benchmark		173	814
SchuttFS13 [537]	17	resource, job, lazy clause generation, scheduling, task, order, job-shop, machine, activity, make-span, completion-time, precedence	RCPSP, FJS	disjunctive, span constraint, alternative constraint, cumulative		MiniZinc			benchmark	time-tabling, energetic reasoning	162	803
SchuttFS13a [536]	17	make-span, scheduling, completion-time, resource, order, task, machine, preempt, activity, lazy clause generation, precedence	RCPSP, psplib	disjunctive, cumulative, circuit		SCIP, CHIP, OZ			benchmark	not-last, edge-finding, energetic reasoning	163	804
SchuttFSW09 [538]	16	scheduling, resource, open-shop, order, task, machine, preempt, activity, lazy clause generation, precedence, make-span, job	psplib	disjunctive, cumulative		ECLiPSe, CHIP, SICStus, OZ			benchmark, real-world	edge-finder	209	850
SchuttS16 [543]	17	machine, producer/consumer, precedence, order, inventory, lazy clause generation, activity, preempt, manpower, resource, scheduling, make-span	RCPSP	cumulative		Chuffed, MiniZinc, Ilog Scheduler, OPL			benchmark		114	755
SchuttW10 [544]	15	task, order, lazy clause generation, activity, preempt, release-date, due-date, resource, scheduling, make-span	psplib, CuSP, RCPSP	disjunctive, cumulative	Java	CHIP	rectangle-packing		benchmark	edge-finding, not-last, not-first	200	841

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SchuttWS05 [545]	15	task, order, due-date, machine, preempt, resource, release-date, scheduling		cumulative, disjunctive		OPL, CHIP			benchmark	not-last	259	900
SerraNM12 [546]	17	preempt, resource, scheduling, precedence, order, machine, activity, release-date, inventory		alwaysIn, cumulative, cycle		OPL, Cplex			benchmark, real-world		174	815
SialaAH15 [553]	10	make-span, open-shop, task, machine, precedence, order, cmax, tardiness, job, setup-time, earliness, lazy clause generation, job-shop, resource, scheduling	RCPSP, JSSP	disjunctive, cumulative		Mistral			github, benchmark	edge-finding	134	775
SimoninAHL12 [554]	15	resource, activity, precedence, preempt, scheduling, order, task		disjunctive, span constraint, cumulative, cycle		CHIP	satellite			sweep	175	816
Simonis95 [557]	4	transportation, resource, scheduling, task, machine, producer/consumer, precedence, order		cumulative, cycle, diffn, circuit	Prolog	CHIP	aircraft	food industry			316	957
Simonis95a [556]	21	due-date, scheduling, manpower, task, order, machine, inventory, job, precedence, producer/consumer, distributed, stock level, resource		cycle, diffn, circuit, cumulative	Prolog, C++	OZ, OPL, CHIP	aircraft, pipeline	chemical industry	real-life, benchmark		317	958
Simonis99 [558]	39	due-date, manpower, transportation, resource, scheduling, stock level, task, machine, producer/consumer, precedence, order, job, activity, inventory		disjunctive, cumulative, alldifferent, cycle, diffn, circuit	C++, Prolog	OZ, OPL, CHIP, ECLiPSe, SICStus	aircraft, pipeline, nurse	process industry, chemical industry, food industry	benchmark, real-world, real-life	bi-partite matching	300	941
SimonisC95 [561]	14	manpower, flow-shop, task, order, transportation, machine, inventory, job, batch process, producer/consumer, stock level, resource, continuous-process, job-shop, due-date, scheduling		diffn, cumulative	Prolog	OZ, CHIP	aircraft, pipeline	food industry	real-life		318	959
SimonisH11 [562]	14	preempt, manpower, task, order, producer/consumer, resource, scheduling		cumulative		Choco Solver, CHIP, Cplex			real-life, real-world	edge-finding, sweep	189	830
SquillaciPR23 [564]	17	resource, activity, multi-agent, distributed, order, scheduling, task	OSP, Earth Observation Scheduling Problem, EOSP	noOverlap	Python	Cplex	earth orbit, earth observation, satellite		github, benchmark		11	652
SunLYL10 [567]	6	task, order, scheduling, distributed		cycle		Cplex, OPL	automotive				201	842
SvancaraB22 [569]	8	multi-agent, batch process, make-span, order, activity, scheduling, resource, task		alternative constraint, noOverlap			railway		benchmark, real-world	time-tabling	26	667
SzerediS16 [570]	10	task, order, machine, preempt, activity, make-span, resource, precedence, lazy clause generation, scheduling	RCPSP, psplib	cumulative		Cplex, MiniZinc, SCIP, Chuffed, Gecode			benchmark		115	756

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
TanT18 [572]	12	flow-shop, task, scheduling, completion-time, precedence, make-span, re-scheduling, machine, cmax, job, release-date, job-shop, setup-time	single machine, parallel machine	disjunctive		Cplex	operating room, patient, medical, robot		benchmark		85	726
TangB20 [573]	16	batch process, machine, job, flow-shop, precedence, resource, make-span, scheduling, tardiness, due-date, order	2BPHFSP, single machine	span constraint, bin-packing, alwaysIn, endBeforeStart, cycle	Java	Cplex, CPO	semiconductor	manufacturing industry	real-world		51	692
TardivoDFMP23 [575]	18	activity, order, preempt, scheduling, make-span, lazy clause generation, task, resource, precedence	RCPSP, psplib, CuSP	disjunctive, cumulative	C++	CHIP, Gecode, MiniZinc			bitbucket, benchmark, real-world	energetic reasoning, not-last, not-first, edge-finding, time-tabling, sweep	12	653
TasselGS23 [576]	9	scheduling, preempt, flow-time, flow-shop, task, order, completion-time, machine, make-span, re-scheduling, job, precedence, tardiness, resource, job-shop	JSSP	cumulative, noOverlap, disjunctive	Java	Choco Solver			industrial instance, real-world, supplementary material, github, benchmark		13	654
Teppan22 [579]	8	job-shop, task, make-span, order, cmax, preempt, distributed, resource, completion-time, scheduling, machine, setup-time, job, flow-shop	parallel machine, PTC, FJS, JSSP	noOverlap, endBeforeStart	Java	OR-Tools, OPL			real-life, benchmark		27	668
Tesch16 [582]	27	scheduling, order, job, completion-time, precedence, resource, make-span	CuSP, psplib, RCPSP	cumulative, disjunctive	C++	OPL			Roadef	sweep, edge-finding, energetic reasoning, not-last, time-tabling, not-first	116	757
Tesch18 [583]	17	scheduling, preempt, due-date, order, machine, task, job, completion-time, precedence, lateness, release-date, resource, make-span	CuSP, psplib, single machine, RCPSP	cumulative					Roadef	sweep, edge-finding, energetic reasoning, not-last, time-tabling	86	727
ThiruvadyBME09 [584]	15	tardiness, open-shop, machine, due-date, job, make-span, scheduling, order, resource, setup-time	single machine	cumulative	C++	Gecode					210	851
ThomasKS20 [586]	18	scheduling, order, activity, transportation, resource		cumulative	C, Java	Cplex, CPO, OR-Tools, OPL	medical, patient		benchmark, CSPLib, generated instance, bitbucket		52	693

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Thorsteinsson01 [587]	15	task, due-date, order, scheduling, job, machine, precedence	parallel machine	alldifferent, circuit, cumulative		OZ, OPL					293	934
Tom19 [589]	6	job-shop, job, re-scheduling, task, tardiness, activity, resource, make-span, scheduling, machine, transportation	single machine		Java	OZ, OPL			real-world		68	709
TouatBT22 [592]	8	tardiness, job, activity, preempt, release-date, no preempt, earliness, distributed, due-date, job-shop, flow-shop, resource, scheduling, make-span, completion-time, task, machine, precedence, order	RCSPS, single machine	noOverlap		OZ, OPL, Cplex	robot, container terminal, satellite		benchmark, generated instance	time-tabling	28	669
Touraivane95 [593]	3	scheduling, order, task			Prolog		crew-scheduling		real-life		319	960
TranB12 [595]	6	resource, make-span, scheduling, due-date, sequence dependent setup, tardiness, job, order, machine, completion-time, distributed, precedence, cmax, setup-time, release-date	PMSP, single machine, parallel machine	cycle, circuit	C++	Cplex			benchmark		176	817
TranDRFWOVB16 [596]	9	resource, activity, re-scheduling, job, order, scheduling, machine, task, job-shop, precedence		cycle	Python	OPL	aircraft				117	758
TranTDB13 [598]	9	flow-shop, resource, scheduling, make-span, order, cmax, task, machine, job, re-scheduling, flow-time, setup-time, distributed	parallel machine	cycle	C++	Cplex, OZ			real-world		164	805
TranVNB17a [600]	5	scheduling, task, order, transportation, machine, activity, resource, setup-time		alternative constraint, cumulative		Cplex	medical, robot		real-world		98	739
TranWDRFOVB16 [601]	9	precedence, job, order, activity, scheduling, job-shop, machine, task	single machine	cumulative, cycle	Python	OPL, Ilog Scheduler	robot, satellite		benchmark		118	759
ValleMGT03 [605]	8	machine, order, transportation, make-span, resource, job, precedence, task, job-shop, scheduling				Ilog Solver	robot		real-life	edge-finder	280	921
VanczaM01 [610]	15	resource, scheduling, precedence, task, machine, order		disjunctive, cycle		OZ	robot		real-life, real-world		294	935
VerfaillieL01 [611]	15	job, open-shop, order, scheduling, task, job-shop	Open Shop Scheduling Problem	cycle		Cplex, OPL	earth observation, satellite				295	936
Vilim02 [612]	1	scheduling, precedence, sequence dependent setup, batch process, activity, setup-time, resource		cumulative, disjunctive						edge-finding	291	932
Vilim03 [613]	1	scheduling, job, open-shop, order, job-shop		cumulative, disjunctive						not-last, edge-finding	281	922
Vilim04 [614]	13	scheduling, precedence, sequence dependent setup, batch process, machine, task, job, completion-time, activity, order, setup-time, resource, job-shop		cumulative, disjunctive					benchmark	sweep, not-last, edge-finding	272	913

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Vilim05 [615]	14	scheduling, precedence, preempt, machine, task, job, open-shop, completion-time, activity, order, resource, make-span, job-shop		cumulative, disjunctive	C++				benchmark	not-last	260	901
Vilim09 [616]	15	scheduling, precedence, preempt, job, completion-time, activity, order, resource, job-shop		cumulative, cycle		CPO				energetic reasoning, not-last, edge-finding, not-first	211	852
Vilim09a [617]	15	order, scheduling, resource, completion-time, task, activity, preempt		cycle, cumulative		Ilog Scheduler				edge-finding, not-last, energetic reasoning	212	853
Vilim11 [618]	16	scheduling, precedence, preempt, machine, task, completion-time, activity, order, manpower, resource	psplib, RCPSP	cumulative, disjunctive, cycle					benchmark	sweep, energetic reasoning, not-last, time-tabling, edge-finding	190	831
VilimBC04 [619]	15	distributed, job-shop, resource, scheduling, make-span, open-shop, completion-time, machine, precedence, order, job, activity		disjunctive, cumulative					benchmark, real-life	not-first, edge-finding, not-last	273	914
VilimLS15 [621]	17	machine, precedence, order, cmax, job, activity, earliness, job-shop, resource, scheduling, make-span, completion-time, task	psplib, RCPSP	noOverlap, disjunctive, cumulative		Cplex, CPO, OZ	rectangle-packing		benchmark	time-tabling	135	776
Wallace06 [626]	32	earliness, job-shop, transportation, task, resource, scheduling, order, machine, tardiness, job		circuit, cycle		Z3, CHIP, ECLiPSe, OPL, Cplex	hoist		Roadef, benchmark, real-world		243	884
WangB20 [628]	8	job, order, machine, task, distributed, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		OZ, Gurobi	aircraft		github		53	694
WangB23 [629]	8	job, lazy clause generation, order, task, transportation, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		Gurobi	crew-scheduling, operating room, aircraft		real-world, random instance		14	655
WatsonB08 [632]	15	job-shop, resource, scheduling, make-span, completion-time, machine, order, cmax, job		disjunctive	C++	Ilog Scheduler			benchmark, real-world		224	865
WessenCS20 [633]	10	make-span, completion-time, precedence, job, scheduling, task, order, job-shop, multi-agent		circuit		Gecode, OZ	robot		real-world		54	695

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
WinterMMW22 [635]	18	tardiness, precedence, release-date, setup-time, job, scheduling, completion-time, resource, order, task, machine, distributed, due-date	parallel machine, PMSP	alternative constraint, noOverlap		CPO, Gurobi, Cplex	farming	manufacturing industry, agricultural industry	supplementary material, real-life, industry partner, zenodo, industrial partner, benchmark		29	670
Wolf03 [636]	15	completion-time, resource, job, make-span, machine, activity, job-shop, task, order, preempt, scheduling		cumulative, disjunctive	Java		pipeline		benchmark	not-last, not-first, edge-finding, sweep	282	923
Wolf05 [637]	15	completion-time, resource, job, precedence, make-span, machine, activity, job-shop, task, order, preempt, scheduling		cumulative	Java	Ilog Scheduler			benchmark	not-last, not-first, edge-finding, sweep	261	902
Wolf09 [640]	17	resource, job, machine, job-shop, task, order, preempt, scheduling			Java	SICStus, OPL, CHIP	patient, surgery, operating room		real-life	not-last, not-first, edge-finding, sweep	213	854
Wolf11 [638]	17	sequence dependent setup, distributed, resource, inventory, machine, producer/consumer, activity, transportation, setup-time, task, order, preempt, scheduling	single machine	cumulative, alternative constraint	Java	OPL, CHIP	patient, medical, nurse, surgery, physician, operating room				191	832
WolfS05 [639]	14	preempt, activity, order, task, completion-time, scheduling, distributed, resource		cumulative		CHIP			real-world	energetic reasoning, not-last, sweep	262	903
WolinskiKG04 [641]	8	resource, precedence, scheduling, machine, order, distributed	SCC	cycle	Java		pipeline				275	916
WuBB05 [642]	1	scheduling, resource, job, make-span, release-date				Ilog Scheduler			benchmark		263	904
YangSS19 [644]	10	resource, completion-time, machine, task, activity, preempt, order, scheduling, lazy clause generation		cumulative, disjunctive	Prolog	Choco Solver, Gecode, CHIP, SICStus, OPL, OR-Tools	rectangle-packing		generated instance	not-last, energetic reasoning, edge-finding	69	710
YoungFS17 [646]	10	lazy clause generation, resource, scheduling, make-span, task, machine, precedence, order, activity, preempt	RCPSP, psplib	disjunctive, cumulative		Chuffed, MiniZinc			benchmark, github, instance generator	time-tabling	99	740
YuraszeckMC23 [649]	6	cmax, job, open-shop, distributed, order, preempt, scheduling, due-date, job-shop, flow-time, make-span, machine, release-date, precedence	OSSP, JSSP	noOverlap					github, benchmark		15	656

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ZhangBB22 [658]	9	preempt, distributed, job-shop, resource, scheduling, make-span, precedence, order, cmax, completion-time, task, machine, job, lateness	single machine	disjunctive, cycle, span constraint	Python	CPO, OPL, Gurobi			benchmark, generated instance		30	671
ZhangJZL22 [657]	6	setup-time, due-date, scheduling, flow-shop, task, order, completion-time, transportation, machine, make-span, job, precedence, tardiness, resource	parallel machine, single machine	alternative constraint, cumulative, noOverlap, endBeforeStart		OZ	semiconductor		benchmark		31	672
ZhangLS12 [661]	4	scheduling, order, cmax								time-tabling	177	818
Zhou96 [662]	15	release-date, job-shop, due-date, task, order, scheduling, precedence, completion-time, job, machine		disjunctive	Prolog	Z3				edge-finding	313	954
ZhouGL15 [664]	5	scheduling, distributed, resource, completion-time, tardiness, machine, setup-time, job, job-shop, flow-shop, task, re-scheduling, make-span, transportation, order, cmax	FJS, HFF, parallel machine	cumulative		CHIP, OR-Tools, Gecode, OZ	railway		real-world		136	777
ZhuS02 [665]	5	activity, scheduling, distributed, resource									292	933
ZibranR11 [667]	4	scheduling, order, activity			Java	OPL, Cplex					192	833
ZibranR11a [668]	10	scheduling, distributed, order, activity, resource				Cplex, OPL				time-tabling	193	834

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
AalianPG23 AalianPG23 [1]	Optimization of Short-Term Underground Mine Planning Using Constraint Programming	CP Opt	real-world	1	n		n			?	1	325
Bit-Monnot23 Bit-Monnot23 [96]	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	ARIES CP Opt OR-Tools Mistral OR-Tools	real-world, github, benchmark	1	y		y	-	JSSP OSSP	-	2	371
EfthymiouY23 EfthymiouY23 [194]	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems		benchmark, random instance, generated instance, real-life, industrial instance	3	n		n	-	CHSP	-	3	415
JuvinHHL23 JuvinHHL23 [328]	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	CP Opt Mistral	supplementary material, github, benchmark	6	ref		y		PJSSP	endBeforeStart span noOverlap	4	476
JuvinHL23 JuvinHL23 [330]	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 cumulative	5	477
KameugneFND23 KameugneFND23 [336]	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	?	benchmark	5	BL PSPLib		n	-	RCPSPs		6	480
KimCMLLP23 KimCMLLP23 [345]	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Gurobi OR-Tools	real-world, benchmark, zenodo	0	y		n	-	SCC	alternative noOverlap	7	485
Mehdizadeh-Somarin23 Mehdizadeh-Somarin23 [430]	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	8	529
PerezGSL23 PerezGSL23 [496]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	9	553
PovedaAA23 PovedaAA23 [506]	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	CP Opt MiniZinc Chuffed	real-world, github, benchmark, industrial instance, real-life	4	y		y		PP-MS- MMRCPSP/max-cal		10	557
SquillaciPR23 SquillaciPR23 [564]	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Cplex Studio	github, benchmark	2	y		n	-	EOSP	?	11	584
TardivoDFMP23 TardivoDFMP23 [575]	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	MiniCPP MiniZinc	bitbucket, github, benchmark, real-world	9	PSPLib BL Pack		y	-	RCPSP	cumulative	12	590
TasselGS23 TasselGS23 [576]	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	13	591
WangB23 WangB23 [629]	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	FaCiLe	real-world, random instance	0	(y)		n	[628]	FJS	-	14	620
YuraszeckMC23 YuraszeckMC23 [649]	A competitive constraint programming approach for the group shop scheduling problem	CP Opt	github, benchmark	0	ref		n	-	GSSP	noOverlap endBeforeStart	15	633

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	16	337
BoudreaultSLQ22 BoudreaultSLQ22 [117]	A Constraint Programming Approach to Ship Refit Project Scheduling	MiniZinc Chuffed	benchmark, generated instance, supplementary material, gitlab, real-life, industrial partner, github, real-world	9			y	-	RCPSP	cumulative	17	383
GeitzGSSW22 GeitzGSSW22 [238]	Solving the Extended Job Shop Scheduling Problem with AGVs - Classical and Quantum Approaches	firstCS QUBO	real-life, github, real-world	8	y		n	-	JSSP		18	436
HebrardALLCMR22 HebrardALLCMR22 [285]	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration			0							19	456
JungblutK22 JungblutK22 [327]	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	MiniZinc	benchmark, github, real-world	0	y		y	-			20	475
LiFJZLL22 LiFJZLL22 [387]	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	21	506
LuoB22 LuoB22 [416]	Packing by Scheduling: Using Constraint Programming to Solve a Complex 2D Cutting Stock Problem	CPO	generated instance, github, real-life, real-world, industrial partner, industrial instance	2	n		n	-	2SCSP-FF	pulse alwaysIn forbidExtent stateFunction	22	521
OuelletQ22 OuelletQ22 [486]	A MinCumulative Resource Constraint	Choco	github, benchmark, random instance	1	y		y	-		cumulative minCumulative	23	549
OujanaAYB22 OujanaAYB22 [487]	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	CP Opt	benchmark, industrial instance, real-world, real-life	0	n		n	-	HFSS	alternative span noOverlap endBeforeStart	24	550
PopovicCGNC22 PopovicCGNC22 [504]	Scheduling the Equipment Maintenance of an Electric Power Transmission Network Using Constraint Programming	CP Opt		0	n		n	-	TMS	alwaysIn noOverlap	25	556
SvancaraB22 SvancaraB22 [569]	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling		benchmark, real-world	0							26	586
Teppan22 Teppan22 [579]	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	OPL	real-life, benchmark	0	ref		n	-	FJSSP	noOverlap alternative endBeforeStart	27	592
TouatBT22 TouatBT22 [592]	A Constraint Programming Model for the Scheduling Problem with Flexible Maintenance under Human Resource Constraints	OPL	benchmark, generated instance	0	n		n	-	Single Machine Scheduling	alternative noOverlap forbidExtent	28	599
WinterMMW22 WinterMMW22 [635]	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Cplex Gurobi CP Opt Sim Anneal	supplementary material, real-life, industrial partner, zenodo, industrial partner, benchmark	0	y		y	-	PMSP	alternative noOverlap	29	623

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
ZhangBB22 ZhangBB22 [658]	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware		benchmark, generated instance	0							30	634
ZhangJZL22 ZhangJZL22 [657]	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	OP Opt	benchmark	0	ref		n	-	HFSP	alternative endBeforeStart noOverlap cumulative	31	635
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				32	334
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	33	336
ArtiguesHQT21 ArtiguesHQT21 [32]	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms			4							34	340
Astrand0F21 Astrand0F21 [36]	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	Gecode	benchmark, real-world, real-life, generated instance	0	ref generated		n	-		-	35	342
BenderWS21 BenderWS21 [84]	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	CP Opt		9	y		n	-	MRCPSP	noOverlap alternative	36	364
GeibingerKKMMW21 GeibingerKKMMW21 [234]	Physician Scheduling During a Pandemic	MiniZinc	real-world	3	y		n	-		nvalue	37	433
GeibingerMM21 GeibingerMM21 [237]	Constraint Logic Programming for Real-World Test Laboratory Scheduling	clingcon	real-life, github, generated instance, real-world, benchmark	0	y				TLSP RCPSP	disjunctive	38	435
HanenKP21 HanenKP21 [277]	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Python	Roadef, generated instance, random instance	1	ref		n	-	$P prec, r_i, d_i *$	-	39	454
HillTV21 HillTV21 [302]	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	40	465
KlankeBYE21 KlankeBYE21 [346]	Combining Constraint Programming and Temporal Decomposition Approaches - Scheduling of an Industrial Formulation Plant	OR-Tools	benchmark, random instance, real-life	0	n		n	-		cumulative circuit noOverlap	41	486
KovacsTKSG21 KovacsTKSG21 [361]	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	42	492
LacknerMMWW21 LacknerMMWW21 [373]	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	CP Opt Chuffed OR-Tools Gurobi OPL	random instance, industrial partner, benchmark, instance generator, real-life, supplementary material	3	y		y		OSP		43	501

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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							44	333
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		45	354
GodetLHS20 GodetLHS20 [247]	Using Approximation within Constraint Programming to Solve the Parallel Machine Scheduling Problem with Additional Unit Resources	MiniZinc Choco Chuffed	github, real-life, benchmark, generated instance	0	JSON		y	-	PMSPUR	disjunctive cumulative alldifferent enqueueCstr approxCstr groupCumulative	46	442
GroleazNS20 GroleazNS20 [263]	Solving the Group Cumulative Scheduling Problem with CPO and ACO	CP Opt ACO	benchmark, industrial instance	0	-		-	[263]	GCSP		47	449
GroleazNS20a GroleazNS20a [262]	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	CPO ACO	industrial partner, benchmark	0	y		n	-	GCSP	groupCumulative	48	450
Mercier-AubinGQ20 Mercier-AubinGQ20 [437]	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	MiniZinc Chuffed	industrial instance, industrial partner	1	a		a	-		circuit cumulative	49	531
NattafM20 NattafM20 [467]	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Cplex CP Opt	benchmark, industrial instance	7	-		-	[423]	PTC	alternative noOverlap	50	542
TangB20 TangB20 [573]	CP and Hybrid Models for Two-Stage Batching and Scheduling	Cplex CP Opt	real-world	0	n		n	-	2BPHFSP	span alwaysIn	51	589
ThomasKS20 ThomasKS20 [586]	Insertion Sequence Variables for Hybrid Routing and Scheduling Problems		benchmark, CSPlib, generated instance, bitbucket	3							52	596
WangB20 WangB20 [628]	Global Propagation of Transition Cost for Fixed Job Scheduling	FaCiLe	github	0	y		n	-	FJS	-	53	619
WessenCS20 WessenCS20 [633]	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Gecode	real-world	10	n		n	-		circuit alldifferent	54	622
BadicaBIL19 BadicaBIL19 [40]	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	ECLiPSe	github	0	dead		dead	-			55	344
BehrensLM19 BehrensLM19 [76]	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks	OR-Tools	real-world, github	0	y		y	-	STAAMS		56	360
BogaerdtW19 BogaerdtW19 [607]	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	custom Cplex CPO CP Opt OR-Tools	benchmark	4	n		n	-	Multi Machine Scheduling	noOverlap	57	375
ColT19 ColT19 [156]	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers		github, benchmark, real-world	2	y		y	-	JSSP	noOverlap	58	401
FrimodigS19 FrimodigS19 [221]	Models for Radiation Therapy Patient Scheduling	Mini-Zinc Gecode Cplex	benchmark, real-world	1	n		n	-		cumulative regular bin-packing	59	424
FrohnerTR19 FrohnerTR19 [223]	Casual Employee Scheduling with Constraint Programming and Metaheuristics		benchmark, real-world	0							60	425

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
GalleguillosKSB19 GalleguillosKSB19 [225]	Constraint Programming-Based Job Dispatching for Modern HPC Applications	OR-Tools		5			y		on-line dispatch		61	427
GeibingerMM19 GeibingerMM19 [236]	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling		real-life, generated instance, industrial partner, real-world, benchmark	3							62	434
KucukY19 KucukY19 [368]	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem		benchmark, generated instance	0							63	497
LiuLH19 LiuLH19 [395]	Solving the Talent Scheduling Problem by Parallel Constraint Programming		CSPLib, benchmark	0							64	514
MalapertN19 MalapertN19 [423]	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications		generated instance, benchmark, industrial instance, RoadeF	3							65	527
MurinR19 MurinR19 [452]	Scheduling of Mobile Robots Using Constraint Programming	CP Opt Cplex OPL	real-life, benchmark, github	3	y		y		JSPT	endBeforeStart alternative noOverlap	66	538
ParkUJR19 ParkUJR19 [493]	Developing a Production Scheduling System for Modular Factory Using Constraint Programming		real-world	0							67	551
Tom19 Tom19 [589]	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling		real-world	0							68	598
YangSS19 YangSS19 [644]	Time Table Edge Finding with Energy Variables		generated instance	1							69	631
AntunesABD18 AntunesABD18 [19]	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting		industry partner, real-world, industrial partner	0							70	332
ArbaouiY18 ArbaouiY18 [24]	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming		benchmark	0							71	335
AstrandJZ18 AstrandJZ18 [37]	Fleet Scheduling in Underground Mines Using Constraint Programming			0							72	343
BenediktSMVH18 BenediktSMVH18 [87]	Energy-Aware Production Scheduling with Power-Saving Modes	CPO Gurobi	github, random instance, generated instance	1	y		y	-	Energy Aware Production Scheduling		73	365
CappartTSR18 CappartTSR18 [130]	A Constraint Programming Approach for Solving Patient Transportation Problems		bitbucket, CSPLib, real-life	1							74	388
DemirovicS18 DemirovicS18 [177]	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts		real-world, benchmark	5							75	408
He0GLW18 He0GLW18 [284]	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		76	455
HoYCLLC18 HoYCLLC18 [303]	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints		real-world	0							77	466
KameugneFGOQ18 KameugneF-GOQ18 [335]	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint		benchmark, real-world	0							78	479

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Laborie18a Laborie18a [371]	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling		real-life, bench- mark, real- world	0							79	500
MusliuSS18 MusliuSS18 [455]	Solver Independent Rotating Workforce Scheduling		generated instance, bench- mark, real-life	2							80	541
NishikawaSTT18 NishikawaSTT18 [470]	Scheduling of Malleable Fork-Join Tasks with Constraint Programming		real-world, benchmark	0							81	543
NishikawaSTT18a NishikawaSTT18a [471]	Scheduling of Malleable Tasks Based on Constraint Programming		real-world, benchmark, real-life	0							82	544
OuelletQ18 OuelletQ18 [485]	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning		benchmark, RoadeF	0							83	548
RiahiNS018 RiahiNS018 [517]	Local Search for Flowshops with Setup Times and Blocking Constraints		real-world, real- life, benchmark	0							84	564
TanT18 TanT18 [572]	Logic-Based Benders Decomposition for Two-Stage Flexible Flow Shop Scheduling with Unrelated Parallel Machines		benchmark	0							85	588
Tesch18 Tesch18 [583]	Improving Energetic Propagations for Cumulative Scheduling		RoadeF	0							86	594
BofillCSV17 BofillCSV17 [103]	An Efficient SMT Approach to Solve MRCPSP/max Instances with Tight Constraints on Resources		benchmark	2							87	372
CappartS17 CappartS17 [129]	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	CPO	bitbucket, ran- dom instance, real-life	1	y		n	-	Rescheduling Railway Traffic		88	387
CohenHB17 CohenHB17 [154]	(I Can Get) Satisfaction: Preference-Based Scheduling for Concert-Goers at Multi-venue Music Festivals			12							89	400
GelainPRVW17 GelainPRVW17 [239]	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems		CSPLib, real- life, benchmark	2							90	437
GoldwaserS17 GoldwaserS17 [250]	Optimal Torpedo Scheduling	Chuffed Gurobi	instance genera- tor, github, gen- erated instance	4	y		n	-	Torpedo Scheduling		91	443
Hooker17 Hooker17 [311]	Job Sequencing Bounds from Decision Diagrams		benchmark, ran- dom instance	0							92	470
KletzanderM17 KletzanderM17 [347]	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem			2							93	487
LiuCGM17 LiuCGM17 [396]	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Chuffed OR-Tools HCSP SA	github	11	n			-	NightSplit		94	512
Madi-WambaLOBM17 Madi- WambaLOBM17 [418]	Green Energy Aware Scheduling Problem in Virtualized Datacenters		real-world	0							95	524
MossigeGSMC17 MossigeGSMC17 [448]	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems		industrial part- ner, real-world, benchmark, ran- dom instance, CSPLib, gener- ated instance	4							96	535
Pralet17 Pralet17 [507]	An Incomplete Constraint-Based System for Scheduling with Renewable Resources		benchmark	1							97	558

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TranVNB17a TranVNB17a [600]	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots (Extended Abstract)		real-world	0							98	604
YoungFS17 YoungFS17 [646]	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem		benchmark, github, instance generator	6							99	632
AmadiniGM16 AmadiniGM16 [17]	Parallelizing Constraint Solvers for Hard RCPSP Instances		benchmark, github, real-life	3							100	330
BonfiettiZLM16 BonfiettiZLM16 [113]	The Multirate Resource Constraint		generated in- stance, github, industrial instance, benchmark, real-world	1							101	381
BoothNB16 BoothNB16 [114]	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes		real-world	0							102	382
BridiLBBM16 BridiLBBM16 [121]	DARDIS: Distributed And Randomized DIspatching and Scheduling			0							103	384
CatusseCBL16 CatusseCBL16 [139]	A Branch-and-Price Algorithm for Scheduling Observations on a Telescope			0							104	391
CauwelaertDMS16 CauwelaertDMS16 [140]	Efficient Filtering for the Unary Resource with Family-Based Transition Times		real-life, bit- bucket, bench- mark	2							105	392
FontaineMH16 FontaineMH16 [216]	Parallel Composition of Scheduling Solvers		benchmark	2							106	421
GilesH16 GilesH16 [243]	Solving a Supply-Delivery Scheduling Problem with Constraint Programming			0							107	439
GingrasQ16 GingrasQ16 [244]	Generalizing the Edge-Finder Rule for the Cumulative Constraint		benchmark	0							108	440
HechingH16 HechingH16 [288]	Scheduling Home Hospice Care with Logic-Based Benders Decomposition		real-world	0							109	458
JelinekB16 JelinekB16 [325]	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station		real-life	2							110	474
LimHTB16 LimHTB16 [390]	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control		real-world	4							111	508
LuoVLBM16 LuoVLBM16 [415]	Using Metric Temporal Logic to Specify Scheduling Problems			0							112	522
Madi-WambaB16 Madi-WambaB16 [417]	The TaskIntersection Constraint		real-world, benchmark, ran- dom instance, generated in- stance	3							113	523
SchuttS16 SchuttS16 [543]	Explaining Producer/Consumer Constraints		benchmark	1							114	573
SzerediS16 SzerediS16 [570]	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling		benchmark	2							115	587
Tesch16 Tesch16 [582]	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $O(n^2 \log n)$		Roadef	1							116	593
TranDRFWOVB16 TranDRFWOVB16 [596]	A Hybrid Quantum-Classical Approach to Solving Scheduling Problems			0							117	602
TranWDRFOVB16 TranWDRFOVB16 [601]	Explorations of Quantum-Classical Approaches to Scheduling a Mars Lander Activity Problem		benchmark	0							118	605

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BartakV15 BartakV15 [59]	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints		real-world, real-life	0							119	352
BofillGSV15 BofillGSV15 [105]	MaxSAT-Based Scheduling of B2B Meetings		industrial instance	3							120	374
BurtLPS15 BurtLPS15 [124]	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feedrate Constraints: A Mine Planning Case Study		real-world, benchmark, industry partner	5							121	386
DejemeppeCS15 DejemeppeCS15 [173]	The Unary Resource with Transition Times		real-world, bitbucket, generated instance, benchmark	4							122	406
EvenSH15 EvenSH15 [203]	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling		real-life, real-world	0							123	419
GayHLS15 GayHLS15 [229]	Conflict Ordering Search for Scheduling Problems		benchmark, bitbucket	0							124	429
GayHS15 GayHS15 [230]	Simple and Scalable Time-Table Filtering for the Cumulative Constraint		bitbucket	2							125	430
GayHS15a GayHS15a [231]	Time-Table Disjunctive Reasoning for the Cumulative Constraint		benchmark, bitbucket, real-world	0							126	431
KreterSS15 KreterSS15 [362]	Modeling and Solving Project Scheduling with Calendars		benchmark	3							127	495
LimBTBB15 LimBTBB15 [391]	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings		benchmark	3							128	507
LombardiBM15 LombardiBM15 [399]	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty		benchmark, real-world	0							129	515
MelgarejoLS15 MelgarejoLS15 [11]	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems		real-world, benchmark	1							130	530
MurphyMB15 MurphyMB15 [453]	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System		real-world	3							131	539
PesantRR15 PesantRR15 [498]	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem			1							132	554
PraletLJ15 PraletLJ15 [508]	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search			0							133	559
SialaAH15 SialaAH15 [553]	Two Clause Learning Approaches for Disjunctive Scheduling		github, benchmark	5							134	577
VilimLS15 VilimLS15 [621]	Failure-Directed Search for Constraint-Based Scheduling		benchmark	8							135	617
ZhouGL15 ZhouGL15 [664]	On complex hybrid flexible flowshop scheduling problems based on constraint programming		real-world	0							136	638
AlesioNBG14 AlesioNBG14 [181]	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing		benchmark	2							137	329
BartoliniBBLM14 BartoliniBBLM14 [60]	Proactive Workload Dispatching on the EURORA Supercomputer			4							138	353
BessiereHMQW14 BessiereHMQW14 [93]	Buffered Resource Constraint: Algorithms and Complexity		benchmark, real-life	0							139	369
BofillEGPSV14 BofillEGPSV14 [104]	Scheduling B2B Meetings		industrial instance	6							140	373
BonfiettiLM14 BonfiettiLM14 [111]	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!		real-world, benchmark	2							141	379

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DejemeppeD14 DejemeppeD14 [174]	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling		bitbucket	0							142	407
DerrienP14 DerrienP14 [179]	A New Characterization of Relevant Intervals for Energetic Reasoning		random instance	0							143	409
DerrienPZ14 DerrienPZ14 [180]	A Declarative Paradigm for Robust Cumulative Scheduling		benchmark, random instance, real-world	0							144	410
DoulabiRP14 DoulabiRP14 [189]	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling			0							145	413
FriedrichFMRSS14 FriedrichFMRSS14 [220]	Representing Production Scheduling with Constraint Answer Set Programming			0							146	No
GaySS14 GaySS14 [232]	Continuous Casting Scheduling with Constraint Programming		real-life, CSPlib	0							147	432
HoundjiSWD14 HoundjiSWD14 [317]	The StockingCost Constraint		bitbucket, generated instance	0							148	472
KoschB14 KoschB14 [353]	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes		benchmark	0							149	489
LipovetzkyBPS14 LipovetzkyBPS14 [394]	Planning for Mining Operations with Time and Resource Constraints		industrial partner, real-life, industry partner, real-world, benchmark, generated instance	0							150	511
LouieVNB14 LouieVNB14 [412]	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities			0							151	520
BonfiettiLM13 BonfiettiLM13 [110]	De-Cycling Cyclic Scheduling Problems			0							152	378
ChuGNSW13 ChuGNSW13 [147]	On the Complexity of Global Scheduling Constraints under Structural Restrictions			0							153	395
CireCH13 CireCH13 [149]	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	CP Opt Cplex		1	dead		n	-			154	397
GuSS13 GuSS13 [265]	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	155	452
HeinzKB13 HeinzKB13 [291]	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling			0							156	460
KelarevaTK13 KelarevaTK13 [340]	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	MiniZinc CPX G12FD SICStus Choco	real-world	5	ref		-	-	LSFRP BPCTOP	alldifferent alldifferentExceptt	157	482
LetortCB13 LetortCB13 [384]	A Synchronized Sweep Algorithm for the <i>k</i> -dimensional cumulative Constraint		Roadef, benchmark, random instance	2	PSPlib		-	-	RCPSP	cumulative kDimensionalCum	158	505
LombardiM13 LombardiM13 [406]	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling			0							159	519
MalapertCGJLR13 MalapertCGJLR13 [422]	An Optimal Constraint Programming Approach to the Open-Shop Problem		real-life, benchmark	0							160	526
OuelletQ13 OuelletQ13 [484]	Time-Table Extended-Edge-Finding for the Cumulative Constraint		benchmark	1							161	547

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SchuttFS13 SchuttFS13 [537]	Scheduling Optional Tasks with Explanation		benchmark	1							162	570
SchuttFS13a SchuttFS13a [536]	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Mercury G12	benchmark	5	PSPlib AT BL Pack KSD15D PackD		-	-	RCPSP	cumulative	163	571
TranTDB13 TranTDB13 [598]	Hybrid Queueing Theory and Scheduling Models for Dynamic Environments with Sequence-Dependent Setup Times		real-world	0							164	603
BillautHL12 BillautHL12 [95]	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem		random instance	0							165	370
BonfiettiLBM12 BonfiettiLBM12 [108]	Global Cyclic Cumulative Constraint		benchmark	3							166	377
BonfiettiM12 BonfiettiM12 [112]	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem		industrial instance	0							167	380
GuSW12 GuSW12 [267]	Maximising the Net Present Value of Large Resource-Constrained Projects		benchmark	2							168	453
HeinzB12 HeinzB12 [290]	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling			0							169	459
IfrimOS12 IfrimOS12 [320]	Properties of Energy-Price Forecasts for Scheduling		real-life	1							170	473
LetortBC12 LetortBC12 [383]	A Scalable Sweep Algorithm for the cumulative Constraint		Roadef, benchmark, random instance	2							171	504
RendlPHPR12 RendlPHPR12 [516]	Hybrid Heuristics for Multimodal Homecare Scheduling		real-world, CSPlib, benchmark	2							172	563
SchuttCSW12 SchuttCSW12 [535]	Maximising the Net Present Value for Resource-Constrained Project Scheduling		benchmark	1							173	569
SerraNM12 SerraNM12 [546]	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach		benchmark, real-world	4							174	576
SimoninAHL12 SimoninAHL12 [554]	Scheduling Scientific Experiments on the Rosetta/Philae Mission	MOST Ilog Scheduler		0	n		n	-		cumulative dataTransfer	175	578
TranB12 TranB12 [595]	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups		benchmark	0							176	601
ZhangLS12 ZhangLS12 [661]	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method			0							177	636
BajestaniB11 BajestaniB11 [41]	Scheduling an Aircraft Repair Shop			0							178	345
BonfiettiLBM11 BonfiettiLBM11 [107]	A Constraint Based Approach to Cyclic RCPSP		generated instance, industrial instance, benchmark	3							179	376
ChapadosJR11 ChapadosJR11 [145]	Retail Store Workforce Scheduling by Expected Operating Income Maximization			0							180	394
ClercqPBJ11 ClercqPBJ11 [151]	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource		benchmark	1							181	398
EdisO11 EdisO11 [191]	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach			0							182	414

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GrimesH11 GrimesH11 [257]	Models and Strategies for Variants of the Job Shop Scheduling Problem		benchmark	1							183	447
HeinzS11 HeinzS11 [293]	Explanations for the Cumulative Constraint: An Experimental Study		benchmark	1							184	461
HermenierDL11 HermenierDL11 [300]	Bin Repacking Scheduling in Virtualized Datacenters			1							185	464
KameugneFSN11 KameugneFSN11 [337]	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints		benchmark	1							186	481
LahimerLH11 LahimerLH11 [375]	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks		benchmark	2							187	502
LombardiBMB11 LombardiBMB11 [400]	Precedence Constraint Posting for Cyclic Scheduling Problems		benchmark, industrial instance, real-life	0							188	516
SimonisH11 SimonisH11 [562]	A Resource Cost Aware Cumulative		real-life, real-world	1							189	583
Vilim11 Vilim11 [618]	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources		benchmark	1							190	615
Wolf11 Wolf11 [638]	Constraint-Based Modeling and Scheduling of Clinical Pathways			4							191	627
ZibranR11 ZibranR11 [667]	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach			0							192	640
ZibranR11a ZibranR11a [668]	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring			0							193	641
BertholdHLS10 BertholdHLS10 [92]	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling			1							194	368
CobanH10 CobanH10 [152]	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition			0							195	399
Davenport10 Davenport10 [164]	Integrated Maintenance Scheduling for Semiconductor Manufacturing			0							196	404
GrimesH10 GrimesH10 [256]	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach		benchmark	1							197	446
LombardiM10 LombardiM10 [403]	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution		real-world, benchmark	1							198	518
MakMS10 MakMS10 [419]	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems			0							199	525
SchuttW10 SchuttW10 [544]	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints		benchmark	1							200	574
SunLYL10 SunLYL10 [567]	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming			0							201	585
Acuna-AgostMFG09 Acuna-AgostMFG09 [5]	Constraint Programming and Mixed Integer Linear Programming for Rescheduling Trains under Disrupted Operations		Roadef	1							202	327
AronssonBK09 AronssonBK09 [29]	MILP formulations of cumulative constraints for railway scheduling - A comparative study		real-world, real-life	0							203	338
Baptiste09 Baptiste09 [45]	Constraint-Based Schedulers, Do They Really Work?			0							204	346
GrimesHM09 GrimesHM09 [259]	Closing the Open Shop: Contradicting Conventional Wisdom		benchmark	0							205	448
Laborie09 Laborie09 [370]	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems		real-world, benchmark	2							206	499

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
LombardiM09 LombardiM09 [401]	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations		real-world, instance generator	1							207	517
MonetteDH09 MonetteDH09 [445]	Just-In-Time Scheduling with Constraint Programming		benchmark	0							208	534
SchuttFSW09 SchuttFSW09 [538]	Why Cumulative Decomposition Is Not as Bad as It Sounds		benchmark, real-world	1							209	572
ThiruvadyBME09 ThiruvadyBME09 [584]	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling			0							210	595
Vilim09 Vilim09 [616]	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$			0							211	613
Vilim09a Vilim09a [617]	Max Energy Filtering Algorithm for Discrete Cumulative Resources			1							212	614
Wolf09 Wolf09 [640]	Linear Weighted-Task-Sum – Scheduling Prioritized Tasks on a Single Resource		real-life	1							213	626
BarlattCG08 BarlattCG08 [52]	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems		real-world	1							214	349
BeldiceanuCP08 BeldiceanuCP08 [81]	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles		benchmark	0							215	362
BeniniLMR08 BeniniLMR08 [89]	A Constraint Programming Approach for Allocation and Scheduling on the CELL Broadband Engine		benchmark	1							216	367
DoomsH08 DoomsH08 [186]	Gap Reduction Techniques for Online Stochastic Project Scheduling			0							217	412
HentenryckM08 HentenryckM08 [299]	The Steel Mill Slab Design Problem Revisited		CSPLib	0							218	463
LauLN08 LauLN08 [378]	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)		benchmark, real-world	0							219	503
MouraSCL08 MouraSCL08 [450]	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network			0							220	536
MouraSCL08a MouraSCL08a [449]	Heuristics and Constraint Programming Hybridizations for a Real Pipeline Planning and Scheduling Problem		real-world, benchmark	0							221	537
PoderB08 PoderB08 [500]	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production			0							222	555
SchausD08 SchausD08 [530]	A Global Constraint for Bin-Packing with Precedences: Application to the Assembly Line Balancing Problem		real-life, benchmark	0							223	568
WatsonB08 WatsonB08 [632]	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem		benchmark, real-world	1							224	621
AkkerDH07 AkkerDH07 [606]	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems			0							225	328
BeldiceanuP07 BeldiceanuP07 [82]	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production			0							226	363
DavenportKRSH07 DavenportKRSH07 [165]	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing			0							227	405
GarganiR07 GarganiR07 [226]	An Efficient Model and Strategy for the Steel Mill Slab Design Problem		real-life, CSPLib	0							228	428

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
HoeveGSL07 HoeveGSL07 [609]	Optimal Multi-Agent Scheduling with Constraint Programming		benchmark	0							229	467
KeriK07 KeriK07 [342]	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method			2							230	483
KovacsB07 KovacsB07 [354]	A Global Constraint for Total Weighted Completion Time		benchmark	0							231	490
KrogtLPHJ07 KrogtLPHJ07 [608]	Scheduling for Cellular Manufacturing		real-world	0							232	496
Limtanyakul07 Limtanyakul07 [392]	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming		real-life	0							233	510
MonetteDD07 MonetteDD07 [444]	A Position-Based Propagator for the Open-Shop Problem		benchmark	0							234	533
RossiTHP07 RossiTHP07 [524]	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost			0							235	566
Beck06 Beck06 [63]	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling		benchmark	0							236	355
BeniniBGM06 BeniniBGM06 [88]	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs		real-life	0							237	366
GomesHS06 GomesHS06 [254]	Constraint Programming for Distributed Planning and Scheduling		real-life	0							238	445
KhemmoudjPB06 KhemmoudjPB06 [344]	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages		real-world	0							239	484
KovacsV06 KovacsV06 [360]	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP		industrial partner, benchmark, generated instance	0							240	494
LiuJ06 LiuJ06 [397]	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming			0							241	513
QuSN06 QuSN06 [513]	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices			0							242	561
Wallace06 Wallace06 [626]	Hybrid Algorithms in Constraint Programming		Roadef, benchmark, real-world	0							243	618
AbrilSB05 AbrilSB05 [4]	Distributed Constraints for Large-Scale Scheduling Problems			0							244	326
ArtiouchineB05 ArtiouchineB05 [34]	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs		generated instance, random instance	0							245	341
BeckW05 BeckW05 [72]	Proactive Algorithms for Scheduling with Probabilistic Durations			0							246	359
CarchraeBF05 CarchraeBF05 [132]	Methods to Learn Abstract Scheduling Models			0							247	389
ChuX05 ChuX05 [148]	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems			0							248	396
DilkinaDH05 DilkinaDH05 [182]	Extending Systematic Local Search for Job Shop Scheduling Problems			0							249	411
FortinZDF05 FortinZDF05 [218]	Interval Analysis in Scheduling			0							250	422
FrankK05 FrankK05 [219]	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations		benchmark	0							251	423
Geske05 Geske05 [241]	Railway Scheduling with Declarative Constraint Programming		real-life	0							252	438

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
GodardLN05 GodardLN05 [245]	Randomized Large Neighborhood Search for Cumulative Scheduling		benchmark	0							253	441
HebrardTW05 HebrardTW05 [287]	Computing Super-Schedules			0							254	457
Hooker05a Hooker05a [307]	Planning and Scheduling to Minimize Tardiness			0							255	469
KovacsEKV05 KovacsEKV05 [357]	Proterv-II: An Integrated Production Planning and Scheduling System		real-life	0							256	491
MoffittPP05 MoffittPP05 [442]	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints			0							257	532
QuirogaZH05 QuirogaZH05 [514]	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS			0							258	562
SchuttWS05 SchuttWS05 [545]	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$		benchmark	0							259	575
Vilim05 Vilim05 [615]	Computing Explanations for the Unary Resource Constraint		benchmark	4							260	612
Wolf05 Wolf05 [637]	Better Propagation for Non-preemptive Single-Resource Constraint Problems		benchmark	0							261	625
WolfS05 WolfS05 [639]	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application		real-world	0							262	628
WuBB05 WuBB05 [642]	Scheduling with Uncertain Start Dates		benchmark	0							263	630
ArtiguesBF04 ArtiguesBF04 [30]	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times		benchmark	0							264	339
BeckW04 BeckW04 [71]	Job Shop Scheduling with Probabilistic Durations			0							265	358
HentenryckM04 HentenryckM04 [298]	Scheduling Abstractions for Local Search		benchmark	0							266	462
Hooker04 Hooker04 [305]	A Hybrid Method for Planning and Scheduling		random instance	0							267	468
KovacsV04 KovacsV04 [359]	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling		industrial partner, benchmark, real-life	0							268	493
LimRX04 LimRX04 [389]	Solving the Crane Scheduling Problem Using Intelligent Search Schemes		generated instance	0							269	509
MaraveliasG04 MaraveliasG04 [426]	Using MILP and CP for the Scheduling of Batch Chemical Processes			0							270	528
Sadykov04 Sadykov04 [527]	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem			0							271	567
Vilim04 Vilim04 [614]	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint		benchmark	1							272	611
VilimBC04 VilimBC04 [619]	Unary Resource Constraint with Optional Activities		benchmark, real-life	0							273	616
VillaverdeP04 VillaverdeP04 [622]	An Investigation of Scheduling in Distributed Constraint Logic Programming			0							274	No
WolinskiKG04 WolinskiKG04 [641]	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures			0							275	629
BeckPS03 BeckPS03 [69]	Vehicle Routing and Job Shop Scheduling: What's the Difference?		benchmark, real-world	0							276	357
DannaP03 DannaP03 [162]	Structured vs. Unstructured Large Neighborhood Search: A Case Study on Job-Shop Scheduling Problems with Earliness and Tardiness Costs		benchmark	0							277	403

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
Kumar03 Kumar03 [367]	Incremental Computation of Resource-Envelopes in Producer-Consumer Models			0							278	498
OddiPCC03 OddiPCC03 [482]	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem		benchmark	0							279	546
ValleMGT03 ValleMGT03 [605]	On Selecting and Scheduling Assembly Plans Using Constraint Programming		real-life	0							280	606
Vilim03 Vilim03 [613]	Computing Explanations for Global Scheduling Constraints			0							281	610
Wolf03 Wolf03 [636]	Pruning while Sweeping over Task Intervals		benchmark	0							282	624
Bartak02 Bartak02 [54]	Visopt ShopFloor: On the Edge of Planning and Scheduling		real-life	0							283	350
Bartak02a Bartak02a [53]	Visopt ShopFloor: Going Beyond Traditional Scheduling		benchmark, real-life	0							284	351
BeldiceanuC02 BeldiceanuC02 [79]	A New Multi-resource cumulatives Constraint with Negative Heights		real-life, random instance, benchmark	0							285	361
ElkhyariGJ02 ElkhyariGJ02 [197]	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems			0							286	416
ElkhyariGJ02a ElkhyariGJ02a [198]	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools		benchmark, real-life	0							287	417
HookerY02 HookerY02 [315]	A Relaxation of the Cumulative Constraint			0							288	471
KamarainenS02 KamarainenS02 [332]	Local Probing Applied to Scheduling		real-world, benchmark	2							289	478
Muscettola02 Muscettola02 [454]	Computing the Envelope for Stepwise-Constant Resource Allocations			0							290	540
Vilim02 Vilim02 [612]	Batch Processing with Sequence Dependent Setup Times			0							291	609
ZhuS02 ZhuS02 [665]	A Meeting Scheduling System Based on Open Constraint Programming			0							292	639
Thorsteinsson01 Thorsteinsson01 [587]	Branch-and-Check: A Hybrid Framework Integrating Mixed Integer Programming and Constraint Logic Programming			0							293	597
VanczaM01 VanczaM01 [610]	A Constraint Engine for Manufacturing Process Planning		real-life, real-world	0							294	607
VerfaillieL01 VerfaillieL01 [611]	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View			0							295	608
AngelsmarkJ00 AngelsmarkJ00 [18]	Some Observations on Durations, Scheduling and Allen's Algebra			0							296	331
FocacciLN00 FocacciLN00 [215]	Solving Scheduling Problems with Setup Times and Alternative Resources		real-world	0							297	420
DorndorfPH99 DorndorfPH99 [188]	Recent Developments in Scheduling			0							298	No
KorbaaYG99 KorbaaYG99 [351]	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming			0							299	488
Simonis99 Simonis99 [558]	Building Industrial Applications with Constraint Programming		benchmark, real-world, real-life	0							300	581
CestaOS98 CestaOS98 [144]	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints			0							301	393
FrostD98 FrostD98 [224]	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units			0							302	426

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
GruianK98	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming		benchmark	0							303	451
PembertonG98	A constraint-based approach to satellite scheduling			0							304	552
PembertonG98 [494]												
RodosekW98	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems		benchmark	0							305	565
RodosekW98 [518]												
BaptisteP97	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems		benchmark	0							306	348
BaptisteP97 [48]												
BeckDF97	Five Pitfalls of Empirical Scheduling Research		benchmark, real-world	0							307	356
BeckDF97 [65]												
BoucherBVBL97	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem			0							308	No
BoucherBVBL97 [116]												
Caseau97	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel		benchmark	0							309	390
Caseau97 [137]												
PapeB97	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling			0							310	No
PapeB97 [491]												
BrusoniCLMMT96	Resource-Based vs. Task-Based Approaches for Scheduling Problems			0							311	385
BrusoniCLMMT96 [123]												
Colombani96	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem			0							312	402
Colombani96 [157]												
Zhou96	A Constraint Program for Solving the Job-Shop Problem			0							313	637
Zhou96 [662]												
Goltz95	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling		benchmark	0							314	444
Goltz95 [252]												
Puget95	Applications of Constraint Programming		benchmark	0							315	560
Puget95 [510]												
Simonis95	The CHIP System and Its Applications			0							316	579
Simonis95 [557]												
Simonis95a	Application Development with the CHIP System		real-life, bench-mark	0							317	580
Simonis95a [556]												
SimonisC95	Modelling Producer/Consumer Constraints		real-life	0							318	582
SimonisC95 [561]												
Touraivane95	Constraint Programming and Industrial Applications		real-life	0							319	600
Touraivane95 [593]												
JourdanFRD94	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming			0							320	No
JourdanFRD94 [326]												
NuijtenA94	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling			0							321	545
NuijtenA94 [478]												
Wallace94	Applying Constraints for Scheduling			0							322	No
Wallace94 [624]												
BaptisteLV92	Hoist scheduling problem: an approach based on constraint logic programming			0							323	347
BaptisteLV92 [51]												
ErtIK91	Optimal Instruction Scheduling using Constraint Logic Programming		real-world, benchmark	0							324	418
ErtIK91 [200]												

3 Journal Articles

3.1 Articles from bibtex

Table 5: Works from bibtex (Total 274)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[217]	2024	European Journal of Operational Research	15	0	26	1314	1496
PrataAN23 PrataAN23	Bruno A. Prata, Levi R. Abreu, Marcelo S. Nagano	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	Yes	[509]	2024	Results in Control and Optimization	17	0	0	1427	1497
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	[469]	2024	CoRR	21	0	0	1495	1498
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	[168]	2023	International Journal of Production Research	20	1	47	1243	1499
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	1244	1500
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	1245	1501
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	1246	1502
AkramNHRSA23 AkramNHRSA23	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	1248	1503
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	1249	1504
Caballero23 Caballero23	Jordi Coll Caballero	Scheduling through logic-based tools	Yes	[127]	2023	Constraints An Int. J.	1	0	0	1287	1505
CzerniachowskaWZ23 CzerniachowskaWZ23	K. Czerniachowska, R. Wichniarek, K. Żywicki	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations	Yes	[159]	2023	Advances in Science and Technology Research Journal	14	0	0	1297	1506
FahimiQ23 FahimiQ23	H. Fahimi, C. Quimper	Overload-Checking and Edge-Finding for Robust Cumulative Scheduling	No	[207]	2023	INFORMS Journal on Computing	null	0	16	No	1507
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	[212]	2023	Omega	15	7	60	1312	1508
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	[242]	2023	International Journal of Systems Science: Operations Logistics	null	0	104	No	1509
GuoZ23 GuoZ23	P. Guo, J. Zhu	Capacity reservation for humanitarian relief: A logic-based Benders decomposition method with subgradient cut	Yes	[269]	2023	European Journal of Operational Research	29	0	112	1325	1510
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	[270]	2023	Central Eur. J. Oper. Res.	25	1	40	1327	1511
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	[321]	2023	Soft Comput.	28	0	127	1350	1512
JuvinHL23a JuvinHL23a	C. Juvin, L. Houssin, P. Lopez	Logic-based Benders decomposition for the preemptive flexible job-shop scheduling problem	Yes	[331]	2023	Computers Operations Research	17	0	40	1355	1513
LacknerMMWW23 LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Exact methods for the Oven Scheduling Problem	Yes	[374]	2023	Constraints An Int. J.	42	0	32	1371	1514

Table 5: Works from bibtex (Total 274)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
MontemanniD23 MontemanniD23	R. Montemanni, M. Dell'Amico	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	Yes	[447]	2023	Algorithms	13	2	18	1398	1515
MontemanniD23a MontemanniD23a	R. Montemanni, M. Dell'Amico	Constraint programming models for the parallel drone scheduling vehicle routing problem	Yes	[446]	2023	EURO J. Comput. Optim.	20	0	14	1399	1516
NaderiRR23 NaderiRR23	B. Naderi, R. Ruiz, V. Roshanaei	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook	Yes	[460]	2023	INFORMS Journal on Computing	27	2	50	1403	1517
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	[604]	2023	International Journal of Production Research	null	2	44	No	1518
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	[495]	2023	Computers Operations Research	13	0	34	1422	1519
ShaikhK23 ShaikhK23	Aftab Ahmed Shaikh, Abdullah Ayub Khan	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	Yes	[547]	2023	Int. J. Electron. Secur. Digit. Forensics	12	0	0	1443	1520
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	[651]	2023	IEEE Access	11	0	0	1473	1521
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	[666]	2023	Omega	22	1	36	1482	1522
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	[296]	2023	CoRR	42	0	0	1492	1523
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	[577]	2023	CoRR	9	0	0	1493	1524
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	[497]	2023	CoRR	20	0	0	1494	1525
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	[167]	2022	Computers Industrial Engineering	20	10	56	1242	1526
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	[118]	2022	International Journal of Production Research	19	4	44	1285	1527
CampeauG22 CampeauG22	L. Campeau, M. Gamache	Short- and medium-term optimization of underground mine planning using constraint programming	Yes	[128]	2022	Constraints An Int. J.	18	0	22	1288	1528
ColT22 ColT22	Giacomo Da Col, Erich C. Teppan	Industrial-size job shop scheduling with constraint programming	Yes	[160]	2022	Operations Research Perspectives	19	3	55	1295	1529
ElciOH22 ElciOH22	Özgün Elçi, John N. Hooker	Stochastic Planning and Scheduling with Logic-Based Benders Decomposition	Yes	[195]	2022	INFORMS Journal on Computing	21	2	34	1302	1530
EmdeZD22 EmdeZD22	S. Emde, S. Zehtabian, Y. Disser	Point-to-point and milk run delivery scheduling: models, complexity results, and algorithms based on Benders decomposition	Yes	[199]	2022	Annals of Operations Research	30	0	52	1303	1531
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	[202]	2022	SN Computer Science	10	0	57	1305	1532
FarsiTM22 FarsiTM22	A. Farsi, S. Ali Torabi, M. Mokhtarzadeh	Integrated surgery scheduling by constraint programming and meta-heuristics	Yes	[211]	2022	International Journal of Management Science and Engineering Management	14	0	0	1311	1533

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FetgoD22 FetgoD22	S��verine Betmbe Fetgo, Cl��mentin Tayou Djam��gni	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited	Yes	[214]	2022	Oper. Res. Forum	32	0	20	1313	1534
HeinzNVH22 HeinzNVH22	V. Heinz, A. Nov��k, M. Vlk, Z. Hanz��lek	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers	Yes	[295]	2022	Computers Industrial Engineering	16	5	25	1339	1535
HillBCGN22 HillBCGN22	A. Hill, Andrea J. Brickey, I. Cipriano, M. Goycoolea, A. Newman	Optimization Strategies for Resource-Constrained Project Scheduling Problems in Underground Mining	No	[301]	2022	INFORMS Journal on Computing	null	0	53	No	1536
JuvinHL22 JuvinHL22	C. Juvin, L. Houssin, P. Lopez	Logic-Based Benders Decomposition for the Preemptive Flexible Job-Shop Scheduling Problem	Yes	[329]	2022	SSRN Electronic Journal	32	0	29	1354	1537
MartnezAJ22 MartnezAJ22	Karim P��rez Mart��nez, Y. Adulyasak, R. Jans	Logic-Based Benders Decomposition for Integrated Process Configuration and Production Planning Problems	No	[428]	2022	INFORMS Journal on Computing	null	1	29	No	1538
MullerMKP22 MullerMKP22	D. M��ller, Marcus Gerhard M��ller, D. Kress, E. Pesch	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning	Yes	[451]	2022	European Journal of Operational Research	18	17	59	1400	1539
NaderiBZ22 NaderiBZ22	B. Naderi, Mehmet A. Begen, G. Zhang	Integrated Order Acceptance and Resource Decisions Under Uncertainty: Robust and Stochastic Approaches	Yes	[457]	2022	SSRN Electronic Journal	29	0	44	1401	1540
NaderiBZ22a NaderiBZ22a	B. Naderi, Mehmet A. Begen, Gregory S. Zaric	Type-2 integrated process-planning and scheduling problem: Reformulation and solution algorithms	Yes	[456]	2022	Computers Operations Research	19	3	44	1402	1541
NaderiR22 NaderiR22	B. Naderi, V. Roshanaei	Critical-Path-Search Logic-Based Benders Decomposition Approaches for Flexible Job Shop Scheduling	No	[458]	2022	INFORMS Journal on Optimization	null	5	49	No	1542
PohlAK22 PohlAK22	M. Pohl, C. Artigues, R. Kolisch	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach	Yes	[502]	2022	European Journal of Operational Research	16	4	31	1424	1543
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	No	[549]	2022	International Journal of Production Research	18	2	45	No	1544
SubulanC22 SubulanC22	K. Subulan, G. ��akir	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem	Yes	[565]	2022	Soft Comput.	38	5	86	1450	1545
YunosogluY22 YunusogluY22	P. Yunusoglu, Seyda Topaloglu Yildiz	Constraint programming approach for multi-resource-constrained unrelated parallel machine scheduling problem with sequence-dependent setup times	Yes	[648]	2022	International Journal of Production Research	18	20	58	1472	1546
YuraszeckMPV22 YuraszeckMPV22	F. Yuraszeck, G. Mej��a, J. Pereira, M. Vil��	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem	Yes	[650]	2022	Mathematics	26	6	29	1474	1547
abs-2211-14492 abs-2211-14492	Y. Sun, S. Nguyen, Dhnananjay R. Thiruvady, X. Li, Andreas T. Ernst, U. Aickelin	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling	Yes	[566]	2022	CoRR	17	0	0	1491	1548
AbohashimaEG21 AbohashimaEG21	H. Abohashima, Amr B. Eltawil, Mohamed S. Gheith	A Mathematical Programming Model and a Firefly-Based Heuristic for Real-Time Traffic Signal Scheduling With Physical Constraints	Yes	[2]	2021	IEEE Access	14	1	25	1240	1549
AbreuAPNM21 AbreuAPNM21	Levi Ribeiro de Abreu, Kennedy A. G. Ara��jo, Bruno de Athayde Prata, Marcelo Seido Nagano, J. V. Moccellin	A new variable neighbourhood search with a constraint programming search strategy for the open shop scheduling problem with operation repetitions	Yes	[166]	2021	Engineering Optimization	21	0	0	1241	1550
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 Europ��en des Syst��mes Automatis��s	7	0	0	1269	1551
CarlierSJP21 CarlierSJP21	J. Carlier, A. Sahli, A. Jouglet, E. Pinson	A faster checker of the energetic reasoning for the cumulative scheduling problem	No	[136]	2021	International Journal of Production Research	null	3	26	No	1552

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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	[210]	2021	Computers Operations Research	15	18	57	1310	1553
HamPK21 HamPK21	A. Ham, M. Park, Kyung Min Kim	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming	Yes	[275]	2021	Mathematical Problems in Engineering	12	0	0	1333	1554
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	[318]	2021	Journal of Scheduling	22	0	37	1349	1555
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	[348]	2021	Constraints An Int. J.	51	2	52	1360	1556
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	[459]	2021	Production and Operations Management	null	22	61	No	1557
PandeyS21a PandeyS21a	V. Pandey, P. Saini	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization	Yes	[489]	2021	J. Supercomput.	29	3	32	1419	1558
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	[511]	2021	IEEE Trans Autom. Sci. Eng.	12	12	30	1429	1559
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[623]	2021	Computers Industrial Engineering	14	7	22	1465	1560
ZhangYW21 ZhangYW21	L. Zhang, C. Yu, T. N. Wong	A graph-based constraint programming approach for the integrated process planning and scheduling problem	Yes	[659]	2021	Computers Operations Research	10	6	35	1480	1561
abs-2102-08778 abs-2102-08778	Giacomo Da Col, E. Teppan	Large-Scale Benchmarks for the Job Shop Scheduling Problem	Yes	[155]	2021	CoRR	10	0	0	1490	1562
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	1563
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	1250	1564
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	1253	1565
BadicaBI20 BadicaBI20	A. Badica, C. Badica, M. Ivanovic	Block structured scheduling using constraint logic programming	Yes	[39]	2020	AI Commun.	17	2	28	1254	1566
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	1274	1567
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	[142]	2020	Journal of Scheduling	19	2	21	1290	1568
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	[209]	2020	International Journal of Applied Management Science	18	0	0	1309	1569
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	[268]	2020	Engineering Optimization	null	8	31	No	1570
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	[283]	2020	Computers Industrial Engineering	14	14	46	1336	1571

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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	[413]	2020	Computers Operations Research	20	30	18	1385	1572
MejiaY20 MejiaY20	G. Mejía, F. Yuraszeck	A self-tuning variable neighborhood search algorithm and an effective decoding scheme for open shop scheduling problems with travel/setup times	Yes	[431]	2020	European Journal of Operational Research	13	24	45	1390	1573
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	[435]	2020	Computers Industrial Engineering	13	100	62	1393	1574
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	[443]	2020	Int. J. Comput. Integr. Manuf.	14	25	32	1397	1575
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	[503]	2020	International Journal of Production Research	18	8	23	1425	1576
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	[512]	2020	European Journal of Operational Research	18	27	30	1428	1577
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	[521]	2020	International Journal of Production Economics	19	24	43	1432	1578
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	[526]	2020	Oper. Res. Forum	33	2	38	1435	1579
WallaceY20 WallaceY20	M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem	Yes	[627]	2020	Constraints An Int. J.	19	5	18	1467	1580
ZarandiASC20 ZarandiASC20	Mohammad Hossein Fazel Zarandi, Ali Akbar Sadat Asl, S. Sotudian, O. Castillo	A state of the art review of intelligent scheduling	Yes	[654]	2020	Artif. Intell. Rev.	93	55	445	1475	1581
ZouZ20 ZouZ20	X. Zou, L. Zhang	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic	Yes	[669]	2020	Automation in Construction	10	0	0	1483	1582
ArkhipovBL19 ArkhipovBL19	D. Arkhipov, O. Battaia, 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	1251	1583
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	[193]	2019	Journal of the Operational Research Society	null	3	40	No	1584
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	[201]	2019	Computers Chemical Engineering	10	17	18	1304	1585
GurEA19 GurEA19	Şeyda Gür, T. Eren, Hacı Mehmet Alakaş	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study	Yes	[670]	2019	Mathematics	24	0	0	1326	1586
HoundjiSW19 HoundjiSW19	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey	The item dependent stockingcost constraint	Yes	[316]	2019	Constraints An Int. J.	27	0	17	1348	1587
NattafDYW19 NattafDYW19	M. Nattaf, S. Dauzère-Pérès, C. Yugma, C. Wu	Parallel machine scheduling with time constraints on machine qualifications	Yes	[465]	2019	Computers Operations Research	16	14	21	1407	1588
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	[466]	2019	Discret. Appl. Math.	16	5	12	1408	1589
NishikawaSTT19 NishikawaSTT19	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	A Constraint Programming Approach to Scheduling of Malleable Tasks	Yes	[472]	2019	Int. J. Netw. Comput.	16	0	0	1409	1590
Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[474]	2019	Computers Industrial Engineering	13	30	29	1411	1591

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WariZ19 WariZ19	E. Wari, W. Zhu	A Constraint Programming model for food processing industry: a case for an ice cream processing facility	No	[631]	2019	International Journal of Production Research	null	11	42	No	1592
WikarekS19 WikarekS19	J. Wikarek, P. Sitek	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems	Yes	[634]	2019	Vietnam. J. Comput. Sci.	22	0	11	1469	1593
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	[645]	2019	Operations research for health care	11	0	0	1471	1594
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	1486	1595
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	1487	1596
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	[282]	2019	CoRR	62	0	0	1488	1597
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	[235]	2019	CoRR	16	0	0	1489	1598
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[46]	2018	Discret. Appl. Math.	10	3	13	1258	1599
BorghesiBLMB18 BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[115]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1284	1600
CauwelaertLS18 CauwelaertLS18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[141]	2018	Constraints An Int. J.	36	2	39	1291	1601
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	[206]	2018	Constraints An Int. J.	22	2	20	1307	1602
GedikKEK18 GedikKEK18	R. Gedik, D. Kalathia, G. Egilmez, E. Kirac	A constraint programming approach for solving unrelated parallel machine scheduling problem	Yes	[233]	2018	Computers Industrial Engineering	11	43	22	1317	1603
GokgurHO18 GokgurHO18	B. Gökğür, B. Hnich, S. Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	Yes	[249]	2018	International Journal of Production Research	17	31	43	1319	1604
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[251]	2018	J. Artif. Intell. Res.	32	8	0	1320	1605
GombolayWS18 GombolayWS18	Matthew C. Gombolay, Ronald J. Wilcox, Julie A. Shah	Fast Scheduling of Robot Teams Performing Tasks With Temporospatial Constraints	Yes	[253]	2018	IEEE Transactions on Robotics	20	71	75	1321	1606
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	[273]	2018	Transportation Research Part C: Emerging Technologies	14	0	0	1330	1607
Ham18a Ham18a	A. Ham	Scheduling of Dual Resource Constrained Lithography Production: Using CP and MIP/CP	Yes	[274]	2018	IEEE Transactions on Semiconductor Manufacturing	10	20	21	1331	1608
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	[364]	2018	European Journal of Operational Research	15	25	31	1366	1609
LaborieRSV18 LaborieRSV18	P. Laborie, J. Rogerie, P. Shaw, P. Vilfm	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	Yes	[372]	2018	Constraints An Int. J.	41	148	35	1370	1610
PourDERB18 PourDERB18	Shahrzad 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	[505]	2018	European Journal of Operational Research	12	41	13	1426	1611

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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	[550]	2018	IEEE Trans. Syst. Man Cybern. Syst.	16	9	31	1444	1612
TangLWSK18 TangLWSK18	Y. Tang, R. Liu, F. Wang, Q. Sun, Amr A. Kandil	Scheduling Optimization of Linear Schedule with Constraint Programming	Yes	[574]	2018	Comput. Aided Civ. Infrastructure Eng.	28	24	76	1452	1613
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	[597]	2018	Journal of Scheduling	17	8	26	1460	1614
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	[660]	2018	IEEE Trans. Engineering Management	18	49	28	1479	1615
GomesM17 GomesM17	Francisco Regis Abreu Gomes, Geraldo Robson Mateus	Improved Combinatorial Benders Decomposition for a Scheduling Problem with Unrelated Parallel Machines	Yes	[255]	2017	Journal of Applied Mathematics	11	1	43	1322	1616
HookerH17 HookerH17	John N. Hooker, Willem-Jan van Hoeve	Constraint programming and operations research	Yes	[314]	2017	Constraints An Int. J.	24	12	189	1346	1617
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[363]	2017	Constraints An Int. J.	31	15	20	1365	1618
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[463]	2017	Constraints An Int. J.	18	5	10	1405	1619
RoshanaeiLAU17 RoshanaeiLAU17	V. Roshanaei, C. Luong, Dionne M. Aleman, D. Urbach	Propagating logic-based Benders' decomposition approaches for distributed operating room scheduling	Yes	[522]	2017	European Journal of Operational Research	17	61	46	1433	1620
RoshanaeiLAU17a RoshanaeiLAU17a	V. Roshanaei, C. Luong, Dionne M. Aleman, David R. Urbach	Collaborative Operating Room Planning and Scheduling	No	[523]	2017	INFORMS Journal on Computing	null	54	42	No	1621
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	[599]	2017	J. Artif. Intell. Res.	68	12	0	1461	1622
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	1280	1623
Bonfietti16 Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	Yes	[106]	2016	Intelligenza Artificiale	13	0	19	1282	1624
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[120]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1286	1625
CireCH16 CireCH16	Andre A. Ciré, E. Coban, John N. Hooker	Logic-based Benders decomposition for planning and scheduling: a computational analysis	Yes	[150]	2016	The Knowledge Engineering Review	12	15	21	1293	1626
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	[190]	2016	INFORMS Journal on Computing	17	56	28	1301	1627
HamC16 HamC16	Andy M. Ham, E. Cakici	Flexible job shop scheduling problem with parallel batch processing machines: MIP and CP approaches	Yes	[276]	2016	Computers Industrial Engineering	6	50	26	1332	1628
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	[286]	2016	Discret. Appl. Math.	10	9	8	1337	1629
KuB16 KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	Yes	[365]	2016	Computers Operations Research	9	119	17	1367	1630
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	[464]	2016	OR Spectr.	34	10	15	1406	1631

Table 5: Works from bibtex (Total 274)

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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	[473]	2016	Computers Chemical Engineering	17	18	31	1410	1632
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	Yes	[594]	2016	INFORMS Journal on Computing	13	72	28	1459	1633
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	[653]	2016	Journal of Intelligent Manufacturing	17	28	14	1476	1634
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	1256	1635
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[204]	2015	CoRR	16	0	0	1306	1636
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	[248]	2015	European Journal of Operational Research	12	48	4	1318	1637
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	Yes	[258]	2015	INFORMS Journal on Computing	17	12	41	1323	1638
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[334]	2015	Constraints An Int. J.	2	0	0	1356	1639
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[385]	2015	Constraints An Int. J.	52	2	14	1373	1640
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[462]	2015	Constraints An Int. J.	21	14	13	1404	1641
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	[533]	2015	OR Spectrum	21	24	20	1440	1642
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[551]	2015	Constraints An Int. J.	2	4	0	1445	1643
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[555]	2015	Constraints An Int. J.	23	4	5	1446	1644
WangMD15 WangMD15	T. Wang, N. Meskens, D. Duvivier	Scheduling operating theatres: Mixed integer programming vs. constraint programming	Yes	[630]	2015	European Journal of Operational Research	13	36	33	1468	1645
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	1279	1646
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence	28	8	15	1283	1647
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[260]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1324	1648
HarjunkskiMBC14 HarjunkskiMBC14	I. Harjunkski, 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	[279]	2014	Computers Chemical Engineering	33	381	176	1335	1649
KameugneFSN14 KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[338]	2014	Constraints An Int. J.	27	6	10	1357	1650
Novash14 Novash14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[477]	2014	Expert Syst. Appl.	14	35	26	1414	1651
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[581]	2014	J. Artif. Intell. Res.	38	12	0	1454	1652
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	[585]	2014	J. Heuristics	34	19	18	1455	1653

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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	1255	1654
BajestaniB13 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	1270	1655
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[294]	2013	Constraints An Int. J.	36	7	31	1340	1656
LombardiMB13 LombardiMB13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	Yes	[407]	2013	IEEE Transactions on Computers	14	28	29	1380	1657
MenciaSV13 MenciaSV13	C. Mencia, María R. Sierra, R. Varela	Intensified iterative deepening A* with application to job shop scheduling	Yes	[434]	2013	Journal of Intelligent Manufacturing	11	9	43	1392	1658
OzturkTHO13 OzturkTHO13	C. Öztürk, S. Tunali, B. Hnich, M. Arslan Ornek	Balancing and scheduling of flexible mixed model assembly lines	Yes	[488]	2013	Constraints An Int. J.	36	31	44	1418	1659
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[541]	2013	Journal of Scheduling	17	43	23	1442	1660
GuyonLPR12 GuyonLPR12	O. Guyon, P. Lemaire, Éric Pinson, D. Rivreau	Solving an integrated job-shop problem with human resource constraints	Yes	[271]	2012	Annals of Operations Research	25	32	25	1328	1661
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[292]	2012	Constraints An Int. J.	12	10	9	1341	1662
LimtanyakulS12 LimtanyakulS12	K. Limtanyakul, U. Schwiegelshohn	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Yes	[393]	2012	Constraints An Int. J.	32	4	16	1376	1663
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[405]	2012	Constraints An Int. J.	35	39	68	1378	1664
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[404]	2012	Artificial Intelligence	10	3	13	1379	1665
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	[421]	2012	INFORMS Journal on Computing	17	23	21	1386	1666
MenciaSV12 MenciaSV12	C. Mencia, María R. Sierra, R. Varela	Depth-first heuristic search for the job shop scheduling problem	Yes	[433]	2012	Annals of Operations Research	32	16	40	1391	1667
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	[476]	2012	Computers Chemical Engineering	17	17	15	1413	1668
TerekhovDOB12 TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	Yes	[580]	2012	Computers Industrial Engineering	15	8	48	1453	1669
ZarandiB12 ZarandiB12	Mohammad M. Fazeli-Zarandi, J. Christopher Beck	Using Logic-Based Benders Decomposition to Solve the Capacity- and Distance-Constrained Plant Location Problem	No	[213]	2012	INFORMS Journal on Computing	null	38	57	No	1670
BandaSC11 BandaSC11	Maria Garcia de la Banda, Peter J. Stuckey, G. Chu	Solving Talent Scheduling with Dynamic Programming	Yes	[170]	2011	INFORMS Journal on Computing	18	24	17	1257	1671
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[57]	2011	Constraints An Int. J.	5	17	3	1261	1672
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	1266	1673
BeldiceanuCDP11 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	1272	1674
BeniniLMR11 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	1275	1675
CobanH11 CobanH11	E. Coban, John N. Hooker	Single-facility scheduling by logic-based Benders decomposition	Yes	[153]	2011	Annals of Operations Research	28	14	37	1294	1676
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	No	[192]	2011	Engineering Optimization	null	43	37	No	1677

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HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[272]	2011	Annals of Operations Research	16	32	19	1329	1678
HachemiGR11											
HeckmanB11	I. Heckman, J. Christopher Beck	Understanding the behavior of Solution-Guided Search for job-shop scheduling	Yes	[289]	2011	Journal of Scheduling	20	0	22	1338	1679
HeckmanB11											
KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[341]	2011	Journal of Intelligent Manufacturing	10	12	14	1358	1680
KovacsB11	KovacsB11	A. Kovács, J. Christopher Beck	Yes	[356]	2011	Constraints An Int. J.	24	4	26	1363	1681
KovacsK11	KovacsK11	A. Kovács, T. Kis	Yes	[358]	2011	Constraints An Int. J.	24	3	24	1364	1682
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	[531]	2011	Constraints An Int. J.	23	14	5	1438	1683
SchausHMCMD11											
SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[540]	2011	Constraints An Int. J.	33	57	23	1441	1684
SchuttFSW11											
TopalogluO11	S. Topaloglu, I. Ozkarahan	A constraint programming-based solution approach for medical resident scheduling problems	Yes	[590]	2011	Computers Operations Research	10	46	24	1457	1685
TopalogluO11											
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	[602]	2011	Computers Industrial Engineering	7	11	17	1462	1686
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	1260	1687
BartakCS10											
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	1262	1688
BartakSR10											
ChenGPSH10	Y. Chen, Z. Guan, Y. Peng, X. Shao, M. Hasseeb	Technology and system of constraint programming for industry production scheduling — Part I: A brief survey and potential directions	Yes	[146]	2010	Frontiers of Mechanical Engineering in China	10	2	32	1292	1689
ChenGPSH10											
LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[402]	2010	Artificial Intelligence	30	8	24	1377	1690
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	[408]	2010	Journal of Scheduling	31	24	41	1381	1691
LombardiMRB10											
LopesCSM10	Tony Minoru Tamura Lopes, André A. Ciré, Cid Carvalho de Souza, Arnaldo Vieira Moura	A hybrid model for a multiproduct pipeline planning and scheduling problem	Yes	[409]	2010	Constraints An Int. J.	39	31	18	1382	1692
LopesCSM10											
Novash10	Novash10	Juan M. Novas, Gabriela P. Henning	Yes	[475]	2010	Computers Chemical Engineering	20	48	19	1412	1693
ZeballosQH10	L. Zeballos, O. Quiroga, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[656]	2010	Eng. Appl. Artif. Intell.	20	33	28	1478	1694
ZeballosQH10		A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations	Yes	[656]	2010						
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	[539]	2010	CoRR	37	0	0	1485	1695
abs-1009-0347											
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	1277	1696
BidotVLB09											
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	1281	1697
BocewiczBB09											
CarchraeB09	T. Carchrae, J. Christopher Beck	Principles for the Design of Large Neighborhood Search	Yes	[131]	2009	Journal of Mathematical Modelling and Algorithms	26	16	19	1289	1698
CarchraeB09											
GarridoAO09	A. Garrido, M. Arangú, E. Onaindia	A constraint programming formulation for planning: from plan scheduling to plan generation	Yes	[227]	2009	Journal of Scheduling	30	5	14	1315	1699
GarridoAO09											
Jans09	Jans09	R. Jans	Yes	[324]	2009	INFORMS Journal on Computing	24	59	73	1353	1700
MilanoW09	MilanoW09	M. Milano, M. Wallace	Yes	[441]	2009	Annals of Operations Research	40	34	46	1396	1701

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OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[483]	2009	Constraints An Int. J.	35	127	15	1417	1702
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	[525]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	9	27	1434	1703
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	Yes	[643]	2009	Computers Operations Research	9	42	5	1470	1704
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[499]	2009	CoRR	12	0	0	1484	1705
GarridoOS08 GarridoOS08	A. Garrido, E. Onaindia, Óscar Sapena	Planning and scheduling in an e-learning environment. A constraint-programming-based approach	Yes	[228]	2008	Eng. Appl. Artif. Intell.	11	22	7	1316	1706
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[355]	2008	Eng. Appl. Artif. Intell.	7	5	14	1362	1707
LiW08 LiW08	H. Li, K. Womer	Scheduling projects with multi-skilled personnel by a hybrid MILP/CP benders decomposition algorithm	Yes	[386]	2008	Journal of Scheduling	18	113	31	1374	1708
LiessM08 LiessM08	O. Liess, P. Michelon	A constraint programming approach for the resource-constrained project scheduling problem	Yes	[388]	2008	Annals of Operations Research	12	22	14	1375	1709
MalikMB08 MalikMB08	Abid M. Malik, J. McInnes, Peter van Beek	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming	Yes	[425]	2008	Int. J. Artif. Intell. Tools	18	15	8	1387	1710
MercierH08 MercierH08	L. Mercier, Pascal Van Hentenryck	Edge Finding for Cumulative Scheduling	Yes	[436]	2008	INFORMS Journal on Computing	21	32	5	1394	1711
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	1263	1712
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	1268	1713
CorreaLR07 CorreaLR07	Ayoub Insa Corréa, A. Langevin, L. Rousseau	Scheduling and routing of automated guided vehicles: A hybrid approach	Yes	[158]	2007	Computers Operations Research	20	106	20	1296	1714
Hooker07 Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	Yes	[309]	2007	Operations Research	29	181	19	1345	1715
Rodriguez07 Rodriguez07	J. Rodriguez	A constraint programming model for real-time train scheduling at junctions	Yes	[520]	2007	Transportation Research Part B: Methodological	15	117	6	1430	1716
Simonis07 Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[559]	2007	Constraints An Int. J.	30	10	17	1447	1717
Hooker06 Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[308]	2006	Constraints An Int. J.	19	19	13	1344	1718
KhayatLR06 KhayatLR06	Ghada El Khayat, A. Langevin, D. Riopel	Integrated production and material handling scheduling using mathematical programming and constraint programming	Yes	[343]	2006	European Journal of Operational Research	15	84	14	1359	1719
MilanoW06 MilanoW06	M. Milano, M. Wallace	Integrating operations research in constraint programming	Yes	[440]	2006	4OR	45	18	46	1395	1720
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	[528]	2006	INFORMS Journal on Computing	9	45	6	1436	1721
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	[568]	2006	Int. J. Parallel Emergent Distributed Syst.	19	12	23	1451	1722
DemasseYAM05 DemasseYAM05	S. DemasseY, C. Artigues, P. Michelon	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem	Yes	[176]	2005	INFORMS Journal on Computing	18	43	25	1299	1723
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[306]	2005	Constraints An Int. J.	17	68	11	1343	1724

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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	[620]	2005	Constraints An Int. J.	23	21	5	1464	1725
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[655]	2005	Inteligencia Artif.	10	0	0	1477	1726
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	[501]	2004	European Journal of Operational Research	16	7	8	1423	1727
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	1267	1728
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[313]	2003	Mathematical Programming	28	317	0	1347	1729
KuchcinskiW03 KuchcinskiW03	K. Kuchcinski, C. Wolinski	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming	Yes	[366]	2003	J. Syst. Archit.	15	19	18	1368	1730
Laborie03 Laborie03	P. Laborie	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results	Yes	[369]	2003	Artificial Intelligence	38	128	10	1369	1731
Tsang03 Tsang03	Edward P. K. Tsang	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems	Yes	[603]	2003	Journal of Scheduling	2	1	0	1463	1732
HarjunkskiG02 HarjunkskiG02	I. Harjunkski, Ignacio E. Grossmann	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods	Yes	[278]	2002	Computers Chemical Engineering	20	169	11	1334	1733
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	[411]	2002	Journal of the Operational Research Society	8	22	0	1384	1734
MilanoORT02 MilanoORT02	M. Milano, G. Ottosson, P. Refalo, Erlendur S. Thorsteinsson	The Role of Integer Programming Techniques in Constraint Programming's Global Constraints	No	[439]	2002	INFORMS Journal on Computing	null	14	31	No	1735
RodriguezDG02 RodriguezDG02	J. Rodriguez, X. Delorme, X. Gandibleux	Railway infrastructure saturation using constraint programming approach	Yes	[519]	2002	Computers in Railways VIII	10	0	0	1431	1736
Timpe02 Timpe02	C. Timpe	Solving planning and scheduling problems with combined integer and constraint programming	Yes	[588]	2002	OR Spectr.	18	42	0	1456	1737
JainG01 JainG01	V. Jain, Ignacio E. Grossmann	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems	Yes	[323]	2001	INFORMS Journal on Computing	19	279	23	1351	1738
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	[427]	2001	Annals of Operations Research	17	11	0	1388	1739
Mason01 Mason01	Andrew J. Mason	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling	Yes	[429]	2001	Annals of Operations Research	38	5	0	1389	1740
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	1252	1741
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	1259	1742
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	1264	1743
HeipckeCCS00 HeipckeCCS00	S. Heipcke, Y. Colombani, Cristina C. B. Cavalcante, Cid C. de Souza	Scheduling under Labour Resource Constraints	Yes	[297]	2000	Constraints An Int. J.	8	5	0	1342	1744
KorbaaYG00 KorbaaYG00	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming	Yes	[352]	2000	Eur. J. Control	10	7	4	1361	1745
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	[410]	2000	Eur. J. Control	4	0	0	1383	1746

Table 5: Works from bibtex (Total 274)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[529]	2000	Constraints An Int. J.	30	73	0	1437	1747
SchildW00 SchildW00	K. Schild, J. Würtz	Scheduling of Time-Triggered Real-Time Systems	Yes	[532]	2000	Constraints An Int. J.	23	23	0	1439	1748
SimonisCK00 SimonisCK00	H. Simonis, P. Charlier, P. Kay	Constraint Handling in an Integrated Transportation Problem	Yes	[560]	2000	IEEE Intell. Syst.	7	11	5	1448	1749
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[563]	2000	INFORMS Journal on Computing	12	7	14	1449	1750
TorresL00 TorresL00	P. Torres, P. Lopez	On Not-First/Not-Last conditions in disjunctive scheduling	Yes	[591]	2000	European Journal of Operational Research	12	26	13	1458	1751
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaitre, G. Verfaillie	Earth Observation Satellite Management	Yes	[91]	1999	Constraints An Int. J.	7	99	0	1276	1752
JainM99 JainM99	A. Jain, S. Meeran	Deterministic job-shop scheduling: Past, present and future	Yes	[322]	1999	European Journal of Operational Research	45	490	150	1352	1753
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	1265	1754
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	1273	1755
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[479]	1998	J. Heuristics	16	42	0	1416	1756
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[492]	1998	Constraints An Int. J.	25	14	0	1420	1757
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	[163]	1997	Constraints An Int. J.	20	28	5	1298	1758
FalaschiGMP97 FalaschiGMP97	M. Falaschi, M. Gabbrielli, K. Marriott, C. Palamidessi	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators	Yes	[208]	1997	Inf. Comput.	27	10	9	1308	1759
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[377]	1997	Artif. Intell. Eng.	15	11	7	1372	1760
Zhou97 Zhou97	J. Zhou	A Permutation-Based Approach for Solving the Job-Shop Problem	Yes	[663]	1997	Constraints An Int. J.	29	14	0	1481	1761
BlazewiczDP96 BlazewiczDP96	J. Błażewicz, W. Domschke, E. Pesch	The job shop scheduling problem: Conventional and new solution techniques	Yes	[125]	1996	European Journal of Operational Research	33	344	127	1278	1762
NuijtenA96 NuijtenA96	W. Nuijten, E. Aarts	A computational study of constraint satisfaction for multiple capacitated job shop scheduling	Yes	[480]	1996	European Journal of Operational Research	16	65	6	1415	1763
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[625]	1996	Constraints An Int. J.	30	87	55	1466	1764
BeldiceanuC94 BeldiceanuC94	N. Beldiceanu, E. Contejean	Introducing Global Constraints in CHIP	Yes	[78]	1994	Mathematical and Computer Modelling	27	167	8	1271	1765
Pape94 Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	Yes	[490]	1994	Intelligent Systems Engineering	34	98	0	1421	1766
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	1247	1767
Tay92 Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	No	[578]	1992	Comput. J.	null	0	0	No	1768

DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[184]	1990	J. Log. Program.	19	86	9	1300	1769
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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	scheduling, order, resource, setup-time, cmax, machine, transportation	parallel machine	cycle	Python	Gurobi			real-world, generated instance, github		1019	1549
AbreuAPNM21 [166]	21	scheduling, completion-time, make-span, open-shop, order, setup-time, job, resource, task, machine, preempt, multi-agent, release-date, job-shop, distributed, cmax, tardiness, precedence, flow-shop	OSSP, single machine, Open Shop Scheduling Problem, parallel machine	noOverlap, cycle	Python, C++	OZ, Cplex	automotive, medical, patient	oil industry	generated instance, benchmark, real-world		1020	1550
AbreuN22 [167]	20	preempt, make-span, transportation, order, tardiness, inventory, scheduling, flow-time, distributed, resource, completion-time, machine, setup-time, job, job-shop, task, flow-shop, open-shop, batch process, cmax	single machine, Open Shop Scheduling Problem, OSSP	noOverlap, cycle, cumulative	Python	OZ, Cplex	medical		real-world, benchmark		996	1526
AbreuNP23 [168]	20	scheduling, make-span, order, cmax, completion-time, machine, tardiness, job, earliness, setup-time, preempt, transportation, open-shop, distributed, job-shop, flow-shop, resource	parallel machine, Open Shop Scheduling Problem, OSSP	noOverlap	Python	Cplex, OPL	medical	oil industry	real-world, benchmark	time-tabling	969	1499
AbreuPNF23 [3]	12	completion-time, distributed, due-date, earliness, flow-shop, job, job-shop, lazy clause generation, machine, make-span, open-shop, order, preempt, resource, scheduling, setup-time, tardiness, transportation	OSSP, Open Shop Scheduling Problem, RCPSP, parallel machine	cumulative, disjunctive, noOverlap	Python	Cplex, OPL, OZ	medical, robot		benchmark, real-life, real-world		970	1500
Adelgren2023 [7]	12	batch process, completion-time, distributed, inventory, job, job-shop, machine, make-span, order, preempt, re-scheduling, release-date, resource, scheduling, sequence dependent setup, setup-time, task, transportation	parallel machine	disjunctive		Cplex, Gurobi, OZ	aircraft, crew-scheduling, drone, operating room, pipeline		benchmark, generated instance, github, real-life, supplementary material		971	1501
AfsarVPG23 [8]	14	activity, completion-time, due-date, flow-shop, job, job-shop, machine, make-span, open-shop, order, precedence, preempt, resource, scheduling, setup-time, task, transportation		disjunctive		Cplex			benchmark, real-life, real-world, supplementary material		972	1502
AggounB93 [9]	17	task, machine, precedence, order, job, activity, due-date, job-shop, flow-shop, resource, scheduling		circuit, bin-packing, disjunctive, cumulative	Prolog	OPL, CHIP	perfect-square, rectangle-packing		real-world		1237	1767

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
AkramNHRSA23 [13]	16	resource, completion-time, preempt, scheduling, order, machine, task, distributed		cycle, bin-packing	Python	OR-Tools	medical, agriculture		benchmark		973	1503
AlfieriGPS23 [15]	13	setup-time, order, tardiness, flow-shop, job, make-span, distributed, flow-time, completion-time, job-shop, resource, precedence, earliness, scheduling, machine, inventory, transportation	single machine, parallel machine		Java	Cplex	surgery, patient		benchmark		974	1504
AntunesABD20 [20]	31	activity, precedence, earliness, scheduling, transportation, due-date, order, re-scheduling, task, distributed, lateness		bin-packing		OZ, Cplex		electricity industry	real-world, industrial partner		1034	1564
ArkhipovBL19 [25]	10	preempt, scheduling, order, machine, job, cmax, task, lateness, completion-time, make-span, release-date, resource, precedence, job-shop	psplib, parallel machine, RCPSP	cumulative, disjunctive, cycle		Z3, OZ			benchmark	sweep, time-tabling	1053	1583
ArtiguesR00 [33]	20	no preempt, machine, preempt, release-date, job-shop, transportation, cmax, lateness, precedence, scheduling, completion-time, re-scheduling, make-span, resource, order, setup-time, job, activity, earliness, due-date	RCPSP	cycle, cumulative, disjunctive		OZ					1211	1741
AstrandJZ20 [38]	13	resource, open-shop, task, machine, precedence, flow-shop, job-shop, re-scheduling, make-span, order, setup-time, job, activity, scheduling, completion-time, due-date	parallel machine	alldifferent, disjunctive, cycle	C++	OZ, Gecode	robot	potash industry, mining industry, mineral industry	benchmark, real-world, real-life		1035	1565
BadicaBI20 [39]	17	machine, activity, make-span, manpower, completion-time, resource, precedence, scheduling, distributed, task, order	psplib	bin-packing, cycle	Prolog	Gecode, ECLiPSe			real-world, benchmark		1036	1566
BajestaniB13 [42]	36	precedence, earliness, job-shop, resource, setup-time, preempt, scheduling, machine, inventory, transportation, due-date, order, tardiness, job, make-span, re-scheduling	single machine, parallel machine	cumulative, alwaysIn, circuit		OZ, Cplex	railway, aircraft				1124	1654
BajestaniB15 [43]	16	precedence, completion-time, sequence dependent setup, job-shop, resource, activity, setup-time, preempt, scheduling, machine, due-date, distributed, flow-time, order, tardiness, flow-shop, job, make-span	single machine	disjunctive, cumulative, circuit		OZ, Cplex	railway, semiconductor, robot		real-world		1105	1635
BandaSC11 [170]	18	precedence, order, scheduling, task				Ilog Solver, OZ			random instance, benchmark, CSPLib		1141	1671

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BaptisteB18 [46]	10	resource, task, machine, preempt, manpower, lazy clause generation, precedence, scheduling, make-span, order, job	parallel machine, RCPSP, psplib	cumulative, bin-packing		CHIP				time-tabling, edge-finding, edge-finder	1069	1599
BaptisteP00 [49]	21	resource, task, preempt, cmax, precedence, release-date, flow-shop, job-shop, scheduling, re-scheduling, make-span, order, job, activity, due-date	RCPSP	disjunctive, cumulative	C++	Claire, Ilog Scheduler, CHIP			benchmark	edge-finding, edge-finder, energetic reasoning	1212	1742
BartakCS10 [56]	31	resource, setup-time, task, job-shop, scheduling, machine, activity, flow-shop, order, job, precedence	RCPSP	disjunctive	Prolog	SICStus			benchmark, real-life, real-world		1157	1687
BartakS11 [57]	5	distributed, resource, scheduling, task, multi-agent, order		cumulative		OPL			random instance, real-world, real-life		1142	1672
BartakSR10 [58]	31	scheduling, machine, preempt, activity, flow-shop, order, temporal constraint reasoning, completion-time, make-span, cmax, job, precedence, release-date, open-shop, distributed, tardiness, resource, task, lateness, job-shop, multi-agent, due-date	TCSP, single machine, Temporal Constraint Satisfaction Problem	cumulative, disjunctive		CPO, Choco Solver, OPL	robot		real-life, real-world	edge-finding, not-last, sweep, not-first	1158	1688
Beck07 [64]	29	flow-shop, order, scheduling, precedence, make-span, machine, resource, job, job-shop, tardiness, activity		disjunctive		Ilog Scheduler			benchmark		1182	1712
BeckF00 [68]	51	precedence, release-date, resource, job-shop, due-date, preempt, machine, task, job, activity, order, inventory, make-span, scheduling, transportation	single machine	cumulative, disjunctive			robot		real-world, benchmark	not-last, edge-finding, not-first	1213	1743
BeckF98 [67]	30	precedence, release-date, resource, job-shop, due-date, preempt, machine, task, tardiness, multi-agent, re-scheduling, job, activity, order, distributed, inventory, make-span, scheduling	single machine	circuit, cumulative, disjunctive	Prolog		robot		real-world, benchmark	edge-finding	1224	1754
BeckFW11 [66]	14	order, cmax, scheduling, resource, completion-time, machine, job, job-shop, precedence, preempt, make-span		disjunctive, table constraint, cumulative	C++	Ilog Scheduler			real-world, benchmark		1143	1673
BeckR03 [70]	23	release-date, resource, job-shop, due-date, machine, tardiness, re-scheduling, job, completion-time, activity, order, inventory, earliness, make-span, scheduling, flow-shop, flow-time, precedence		disjunctive		Ilog Solver, Cplex, Ilog Scheduler	hoist		benchmark	edge-finder	1198	1728

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BeckW07 [73]	50	job-shop, preempt, machine, task, tardiness, re-scheduling, job, activity, order, distributed, make-span, scheduling, flow-shop, flow-time, precedence, no preempt, resource	single machine, RCPSP			Ilog Scheduler	robot		benchmark	edge-finder, edge-finding	1183	1713
Bedhief21 [74]	7	setup-time, preempt, no preempt, sequence dependent setup, due-date, transportation, flow-shop, scheduling, make-span, completion-time, machine, job, order, release-date, tardiness	single machine, parallel machine	noOverlap		OZ, Cplex	robot, medical		real-life		1021	1551
BegB13 [75]	23	scheduling, re-scheduling, machine, resource, task, completion-time, order, distributed	TMS	cycle			pipeline		benchmark		1125	1655
BeldiceanuC94 [78]	27	order, completion-time, scheduling, machine, task, precedence, resource		circuit, cumulative, diffn, alldifferent, cycle, bin-packing	Prolog	CPO, OPL, CHIP, OZ	pipeline, car manufacturing		real-world, real-life, benchmark		1235	1765
BeldiceanuCDP11 [80]	24	cmax, preempt, resource, task, order, scheduling		diffn, geost, disjunctive, cumulative, bin-packing	Prolog	SICStus, CHIP	rectangle-packing, perfect-square		benchmark	edge-finding, sweep, energetic reasoning	1144	1674
BelhadjiI98 [83]	9	precedence, release-date, job-shop, order, job, scheduling, resource, task, machine, preempt, due-date	Temporal Constraint Satisfaction Problem, TCSP, JSSP	disjunctive					real-life		1225	1755
BenediktMH20 [86]	19	preempt, order, job, re-scheduling, task, job-shop, scheduling, machine	single machine	noOverlap, end-BeforeStart		Gurobi	robot		github, benchmark, random instance, generated instance		1037	1567
BeniniLMR11 [90]	27	resource, order, activity, task, machine, preempt, release-date, tardiness, precedence, scheduling, re-scheduling, make-span	SCC, single machine	table constraint, cumulative, circuit		Ilog Scheduler, Cplex, OZ	pipeline		benchmark, real-world, instance generator		1145	1675
BensanaLV99 [91]	7	order		cycle		Cplex, Ilog Solver	satellite, earth observation		benchmark		1222	1752
BidotVLB09 [94]	30	task, order, job-shop, due-date, machine, activity, make-span, re-scheduling, resource, inventory, job, precedence, release-date, scheduling, distributed, tardiness	JSSP	cumulative, disjunctive	C++	Ilog Scheduler, OPL	robot		real-world, real-life	edge-finder, edge-finding	1166	1696

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BlazewiczDP96 [125]	33	flow-shop, resource, activity, job, distributed, order, due-date, inventory, completion-time, preempt, scheduling, make-span, machine, task, lateness, job-shop, precedence, setup-time, release-date	parallel machine, single machine	disjunctive, cumulative, cycle		OPL, CHIP, OZ	robot		benchmark	edge-finding, energetic reasoning	1232	1762
BlomBPS14 [99]	19	task, transportation, distributed, resource, scheduling, precedence, order		disjunctive		Cplex, OZ	offshore		benchmark, industry partner		1116	1646
BlomPS16 [100]	26	re-scheduling, transportation, order, scheduling, distributed, resource, machine, task, activity, producer/consumer, precedence, batch process		disjunctive		OZ, Cplex	pipeline, offshore	process industry	industry partner, benchmark		1093	1623
BocewiczBB09 [101]	19	job-shop, resource, multi-agent, precedence, scheduling, machine, transportation, order, tardiness, job, task, distributed, completion-time		cycle		OZ	robot			not-last	1167	1697
Bonfietti16 [106]	13	order, activity, scheduling, resource, task, distributed, precedence		disjunctive, cumulative, circuit	C++	OZ	pipeline		benchmark		1094	1624
BonfiettiLBM14 [109]	28	buffer-capacity, scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, task, job-shop	RCPSP	circuit, cumulative, cycle		Ilog Solver	pipeline, hoist, robot, medical		real-world, generated instance, industrial instance, benchmark	time-tabling, sweep	1117	1647
BorghesiBLMB18 [115]	13	job, re-scheduling, make-span, resource, distributed, activity, task, machine, scheduling, order		cumulative, cycle			super-computer		benchmark, real-life		1070	1600
BourreauGGLT22 [118]	19	re-scheduling, scheduling, order, manpower, job, resource, precedence, transportation		disjunctive, alldifferent, diffn, cycle	C++	OZ, Choco Solver, Cplex, CHIP	crew-scheduling, nurse		real-world, benchmark		997	1527
BridiBLMB16 [120]	14	re-scheduling, make-span, job, scheduling, resource, order, machine, activity, distributed, tardiness		cycle, cumulative, circuit		OZ	medical, super-computer		real-world, real-life		1095	1625
Caballero23 [127]	1	resource, scheduling	RCPSP								975	1505
CampeauG22 [128]	18	task, order, activity, make-span, completion-time, precedence, resource, job, scheduling	RCPSP, RCPSPDC	alwaysIn, noOverlap, endBeforeStart, cumulative, cycle	Python	Cplex, OZ		mining industry	real-life, real-world	edge-finding	998	1528
CarchraeB09 [131]	26	scheduling, make-span, resource, order, job, earliness, task, machine, job-shop, tardiness, precedence		cumulative	C++	OPL, Ilog Scheduler			benchmark, real-world	sweep	1168	1698

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
CauwelaertDS20 [142]	19	job-shop, scheduling, order, batch process, completion-time, sequence dependent setup, job, resource, make-span, activity, preempt, setup-time, machine, precedence, transportation, task		cycle, disjunctive, cumulative	Java	OZ	container terminal, patient		benchmark, real-life, bit-bucket, generated instance	not-last, edge-finding, not-first	1038	1568
CauwelaertLS18 [141]	36	scheduling, order, job, resource, activity, machine, task, job-shop	psplib, RCPSP	circuit, different, packing, disjunctive, cumulative, table constraint	Java, Prolog	OZ, OPL, Gecode, CHIP			bitbucket, benchmark	energetic reasoning, not-last, edge-finding, time-tabling, not-first, sweep	1071	1601
ChenGPSH10 [146]	10	activity, make-span, job, precedence, producer/consumer, re-scheduling, resource, job-shop, open-shop, due-date, scheduling, preempt, manpower, task, order, lateness, completion-time, transportation, machine	JSSP	cumulative, disjunctive, cycle, diffn	C++	Ilog Scheduler, Ilog Solver		process industry, chemical industry	real-life	not-last, time-tabling, energetic reasoning	1159	1689
CireCH16 [150]	12	make-span, tardiness, scheduling, resource, task, order		cumulative		Cplex, OZ					1096	1626
CobanH11 [153]	28	distributed, resource, completion-time, tardiness, machine, job, task, release-date, preempt, due-date, re-scheduling, make-span, order, scheduling	single machine	cumulative, circuit, noOverlap		OPL, Cplex, OZ			random instance	time-tabling	1146	1676
ColT22 [160]	19	no preempt, tardiness, task, order, transportation, due-date, flow-shop, completion-time, distributed, preempt, scheduling, precedence, make-span, machine, batch process, resource, job, open-shop, job-shop, lateness, setup-time	single machine, PMSP, Open Shop Scheduling Problem, FJS, JSSP, OSSP, parallel machine	alldifferent, cumulative, noOverlap, circuit, disjunctive	Java, C++	MiniZinc, CPO, OR-Tools, Cplex, OPL	robot, semiconductor, oven scheduling		generated instance, supplementary material, github, real-life, benchmark, real-world		999	1529
CorreaLR07 [158]	20	task, order, machine, make-span, precedence, transportation, release-date, scheduling	parallel machine	disjunctive		Cplex, OPL, Choco Solver, Ilog Solver	container terminal		real-world		1184	1714
CzerniachowskaWZ23 [159]	14	setup-time, transportation, flow-shop, machine, activity, order, completion-time, task, job, resource, job-shop, make-span, scheduling	PTC, JSSP, parallel machine	endBeforeStart, noOverlap		OPL, OZ, Cplex, CPO	automotive, robot	manufacturing industry, pharmaceutical industry, automotive industry	benchmark, Roadef, real-world		976	1506
Darby-DowmanLMZ97 [163]	20	machine, scheduling, order, task, make-span, resource	MGAP, single machine	span constraint, disjunctive	Prolog	Cplex, ECLiPSe	pipeline, aircraft		real-life, real-world, benchmark		1228	1758

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
DemasseyAM05 [176]	18	resource, activity, precedence, job-shop, preempt, scheduling, order, machine, job, task, completion-time, make-span, release-date	psplib, RCPSP, single machine	disjunctive, cycle, cumulative		OZ, Cplex			benchmark	edge-finding, energetic reasoning	1193	1723
DincbasSH90 [184]	19	task, machine, job-shop, distributed, precedence, scheduling, resource, order, job		circuit, disjunctive	Prolog	CHIP, OPL			real-life		1239	1769
DoulabiRP16 [190]	17	scheduling, resource, machine, distributed, transportation, order	single machine	cycle, bin-packing		OPL, Cplex	surgery, nurse, operating room, medical, patient, steel mill, rectangle-packing, crew-scheduling, robot		real-world, generated instance		1097	1627
ElciOH22 [195]	21	resource, job, task, due-date, make-span, transportation, order, tardiness, scheduling, machine, distributed	single machine	cumulative, disjunctive	Julia	Cplex, OZ	surgery, patient, crew-scheduling, operating room, aircraft		benchmark, random instance, real-life		1000	1530
EmdeZD22 [199]	30	flow-time, distributed, resource, tardiness, inventory, scheduling, machine, job, completion-time, precedence, batch process, job-shop, release-date, task, make-span, open-shop, transportation, order	parallel machine, single machine	noOverlap, bin-packing	C	Cplex	pipeline, drone, automotive, semiconductor, yard crane	automotive industry	github, random instance		1001	1531
EscobetPQPRA19 [201]	10	task, job-shop, release-date, scheduling, order, batch process, job, resource, activity, distributed, machine, due-date		alternative constraint, noOverlap, circuit, cycle		OPL, Cplex	energy-price, dairy	food industry, manufacturing industry			1055	1585
EtminaniesfahaniGNMS22	10	tardiness, order, preempt, job-shop, activity, machine, lazy clause generation, earliness, make-span, precedence, task, cmax, open-shop, resource, job, scheduling	RCPSP, psplib, parallel machine		Python	OR-Tools, Cplex	crew-scheduling, aircraft		real-world		1002	1532
EvenSH15a [204]	16	preempt, distributed, transportation, resource, scheduling, completion-time, task, machine, order		disjunctive, cumulative	Java	Choco Solver, OPL	emergency service		real-world, real-life	sweep	1106	1636
FahimiOQ18 [206]	22	completion-time, resource, job, precedence, batch process, lazy clause generation, open-shop, scheduling, distributed, setup-time, task, order, lateness, job-shop, due-date, machine, preempt, make-span, sequence dependent setup	RCPSP, psplib	cumulative, disjunctive, alldifferent		Choco Solver			benchmark, random instance	not-last, time-tabling, sweep, edge-finding, not-first	1072	1602
FalaschiGMP97 [208]	27	order, scheduling			Prolog						1229	1759

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
FallahiAC20 [209]	18	order, resource, task, transportation, scheduling		cycle		OR-Tools, OZ	robot, nurse, medical, container terminal		github, real-life	sweep	1039	1569
FanXG21 [210]	15	due-date, no preempt, preempt, tardiness, job, order, batch process, machine, task, earliness, completion-time, flow-shop, distributed, precedence, setup-time, resource, make-span, job-shop, scheduling, flow-time	single machine, parallel machine	cycle	Java, Python	OZ, ECLiPSe, Cplex, Gurobi	semiconductor	manufacturing industry	benchmark	max-flow	1023	1553
FarsiTM22 [211]	14	completion-time, tardiness, continuous-process, re-scheduling, earliness, distributed, task, resource, scheduling, make-span		circuit, alldifferent		Cplex	physician, robot, medical, nurse, operating room, patient, surgery		supplementary material	time-tabling	1003	1533
Fatemi-AnarakiTFV23 [212]	15	transportation, machine, cmax, resource, setup-time, re-scheduling, distributed, order, job-shop, completion-time, task, scheduling, make-span, job, multi-agent	single machine, parallel machine	cycle, bin-packing, circuit, disjunctive	Python	Cplex, OPL, OZ	electroplating, COVID, robot, semiconductor, hoist	food industry	real-world, github, random instance	time-tabling	978	1508
FetgoD22 [214]	32	task, precedence, cmax, preempt, lazy clause generation, make-span, order, scheduling, resource, completion-time	CuSP, RCPSP	cumulative	Python, Java	OZ, CHIP, Choco Solver			benchmark, real-world	not-first, not-last, energetic reasoning, edge-finding, sweep, edge-finder, time-tabling	1004	1534
ForbesHJST24 [217]	15	job-shop, scheduling, order, machine, job, re-scheduling, task, distributed, make-span, release-date, resource		cumulative	Python	Gurobi, OPL	patient, emergency service, surgery, operating room		real-life, github, benchmark		966	1496
GarridoAO09 [227]	30	re-scheduling, precedence, scheduling, make-span, resource, order, task		disjunctive	Java	CPO, OPL, Choco Solver			benchmark		1169	1699
GarridoOS08 [228]	11	scheduling, make-span, resource, order, activity, task, machine			Java, C	Choco Solver, CPO			real-world		1176	1706
GedikKEK18 [233]	11	cmax, resource, job, setup-time, due-date, scheduling, tardiness, task, order, machine, preempt, make-span, sequence dependent setup, completion-time, transportation	single machine, parallel machine, PMSP	cumulative, noOverlap		Cplex, OZ	nurse, medical	manufacturing industry	benchmark		1073	1603

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GoelSHFS15 [248]	12	precedence, resource, inventory, setup-time, scheduling, activity, task, order, transportation, machine		cumulative, noOverlap, disjunctive, alwaysIn		OPL, Cplex, CPO	pipeline				1107	1637
GokgurHO18 [249]	17	setup-time, task, earliness, job-shop, due-date, scheduling, machine, preempt, activity, flow-shop, order, completion-time, transportation, make-span, cmax, job, precedence, release-date, tardiness, resource	single machine, parallel machine	alternative constraint, cumulative, disjunctive		OZ, OPL, CHIP	robot, semi-conductor		real-life, real-world	not-first, edge-finding, energetic reasoning, not-last	1074	1604
GoldwaserS18 [251]	32	scheduling, machine, transportation, due-date, order, flow-shop, task, lazy clause generation, resource		cumulative	Python	Chuffed, Gurobi, CHIP, Gecode	torpedo	steel industry	instance generator, github, benchmark, generated instance	time-tabling, sweep	1075	1605
GombolayWS18 [253]	20	order, machine, job, re-scheduling, open-shop, task, distributed, flow-shop, make-span, resource, precedence, completion-time, job-shop, multi-agent, setup-time, preempt, scheduling	OSP	cumulative, disjunctive	Java	OPL, Gurobi	aircraft, robot, patient, crew-scheduling		instance generator, real-world, benchmark	edge-finding	1076	1606
GomesM17 [255]	11	distributed, resource, completion-time, setup-time, job, release-date, due-date, make-span, transportation, order, tardiness, inventory, scheduling, machine	PMSP, parallel machine, single machine	cycle	C++	Cplex					1086	1616
GrimesH15 [258]	17	cmax, completion-time, machine, tardiness, job, lateness, release-date, earliness, setup-time, preempt, job-shop, flow-shop, sequence dependent setup, open-shop, distributed, task, due-date, batch process, resource, scheduling, make-span, precedence, order	OSP, JSSP, Open Shop Scheduling Problem	noOverlap, end-BeforeStart, disjunctive, cumulative		Ilog Scheduler, Mistral, CPO, Choco Solver	semiconductor		real-world, benchmark	not-first, time-tabling, edge-finding, not-last	1108	1638
GrimesIOS14 [260]	16	completion-time, due-date, resource, task, machine, preempt, distributed, re-scheduling, order, activity, scheduling		disjunctive		Cplex, CHIP	energy-price, real-time pricing, HVAC		real-world, real-life		1118	1648
GuoZ23 [269]	29	activity, order, sequence dependent setup, distributed, scheduling, inventory, make-span, machine, resource, job, job-shop, transportation, setup-time, task	parallel machine	bin-packing, cycle	Python	SCIP, Cplex, OZ, Gurobi, OPL	COVID, automotive, drone, patient, railway, medical, vaccine, physician, operating room	automotive industry	supplementary material, github, benchmark, real-world		980	1510

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 [670]	24	order, distributed, resource, job-shop, scheduling, re-scheduling, job, completion-time				OZ, Cplex	patient, medical, surgery, operating room		real-life		1056	1586
GurPAE23 [270]	25	re-scheduling, order, scheduling, distributed, resource, inventory, machine		cumulative		OPL, Cplex, OZ	physician, surgery, patient, operating room, COVID, nurse		real-life		981	1511
GuyonLPR12 [271]	25	precedence, resource, release-date, scheduling, preempt, manpower, task, order, job-shop, machine, activity, make-span, cmax, flow-shop, completion-time, job	single machine, parallel machine	disjunctive, cycle		Cplex	satellite		generated instance, benchmark	instance, time-tabling, energetic reasoning	1131	1661
HachemiGR11 [272]	16	task, precedence, job-shop, transportation, make-span, scheduling, resource, order, job, activity		cycle, alldifferent		OPL, Ilog Scheduler, Cplex	crew-scheduling, forestry	food industry			1148	1678
Ham18 [273]	14	cmax, precedence, batch process, resource, completion-time, make-span, scheduling, machine, inventory, transportation, job-shop, job, distributed, sequence dependent setup, due-date, task, order	parallel machine	cumulative, noOverlap, endBeforeStart, disjunctive, cycle		Cplex, OPL	drone, robot, aircraft, semiconductor				1077	1607
Ham18a [274]	10	completion-time, scheduling, inventory, make-span, machine, cmax, batch process, tardiness, resource, job, job-shop, setup-time, task, order, due-date	parallel machine	noOverlap, circuit, alternative constraint, cycle, disjunctive		Cplex, OZ, OPL, CPO	drone, robot, semiconductor		real-world		1078	1608
HamC16 [276]	6	completion-time, sequence dependent setup, scheduling, precedence, make-span, machine, cmax, batch process, resource, job, job-shop, transportation, setup-time, task, order	FJS	cycle, endBeforeStart		Cplex, OPL	semiconductor	pharmaceutical industry	benchmark		1098	1628
HamPK21 [275]	12	distributed, precedence, cmax, setup-time, resource, make-span, job-shop, scheduling, sequence dependent setup, tardiness, re-scheduling, order, machine, task, job, completion-time, flow-shop	parallel machine, single machine, FJS	noOverlap, endBeforeStart, cycle		OPL, Cplex	robot, agriculture, semiconductor		benchmark, github		1024	1554
HarjunkoskiG02 [278]	20	job, resource, setup-time, activity, task, machine, due-date, flow-shop, release-date, job-shop, scheduling, order		cumulative		Ilog Solver, ECLiPSe, Ilog Scheduler, Cplex, CHIP, OPL					1203	1733

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HarjunkoskiMBC14 [279]	33	inventory, setup-time, due-date, distributed, make to stock, machine, re-scheduling, job, continuous-process, precedence, earliness, order, batch process, scheduling, job-shop, transportation, lateness, resource, release-date, task, manpower, make-span, activity, tardiness	single machine	circuit, cycle, disjunctive		CHIP, OZ, Gurobi, Cplex, Gecode, SCIP, OPL, ECLiPSe	semiconductor, dairy, automotive, pipeline	petro-chemical industry, oil industry, process industry, pharmaceutical industry, chemical industry	real-world, real-life, benchmark		1119	1649
HauderBRPA20 [283]	14	scheduling, order, tardiness, flow-shop, job, make-span, task, completion-time, job-shop, resource, activity, precedence, earliness, machine, inventory, transportation, manpower, due-date, setup-time	RCPSP, FJS	cycle, cumulative		Cplex, OPL, OZ	aircraft	food-processing industry, steel industry	real-world, benchmark, supplementary material, industry partner		1041	1571
HebrardHJMPV16 [286]	10	completion-time, resource, task, cmax, distributed, machine, scheduling, order, job, make-span	parallel machine	cumulative		OZ	satellite, earth observation		industrial partner		1099	1629
HeckmanB11 [289]	20	resource, job, scheduling, tardiness, order, job-shop, machine, activity, make-span, flow-shop, precedence		disjunctive		Ilog Scheduler			benchmark, real-world	edge-finding, edge-finder	1149	1679
HeinzNVH22 [295]	16	activity, make-span, job, precedence, re-scheduling, distributed, resource, setup-time, scheduling, preempt, sequence dependent setup, flow-shop, task, order, completion-time, machine	parallel machine	cumulative, noOverlap, alternative constraint		Gurobi	robot, crew-scheduling		real-world, generated instance, benchmark, gitlab		1005	1535
HeinzSB13 [294]	36	preempt, due-date, resource, scheduling, precedence, order, completion-time, machine, job, release-date	RCPSP, single machine, psplib	disjunctive, cumulative		SCIP, MiniZinc, Cplex	satellite		benchmark	time-tabling, edge-finding	1126	1656
HeinzSSW12 [292]	12	inventory, task, order		bin-packing		Cplex	steel mill	steel industry, process industry	real-world, CSPLib		1132	1662
HeipckeCCS00 [297]	8	make-span, release-date, resource, activity, precedence, completion-time, job-shop, due-date, preempt, scheduling, order, machine, job, task	single machine, RCPSP	disjunctive, cumulative					benchmark, instance generator		1214	1744
Hooker05 [306]	17	machine, job, task, precedence, release-date, due-date, make-span, order, tardiness, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance	edge-finding	1194	1724
Hooker06 [308]	19	machine, job, task, precedence, release-date, due-date, make-span, order, tardiness, scheduling, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		1188	1718

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Hooker07 [309]	29	machine, job, task, activity, precedence, release-date, due-date, make-span, order, tardiness, inventory, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance, generated instance	edge-finding	1185	1715
HookerH17 [314]	24	preempt, job-shop, transportation, flow-shop, resource, scheduling, open-shop, task, multi-agent, order, machine, tardiness, job, activity, setup-time, release-date, sequence dependent setup	Open Shop Scheduling Problem, RCPSP, parallel machine	circuit, bin-packing, cumulative, alldifferent, disjunctive, regular expression		SCIP, CHIP, ECLiPSe, OZ, OPL, MiniZinc, Ilog Solver	aircraft, crew-scheduling, radiation therapy, nurse, physician, operating room		real-world, real-life	not-first, time-tabling, edge-finding, not-last, bi-partite matching, energetic reasoning	1087	1617
HookerO03 [313]	28	due-date, resource, scheduling, task, order, machine, job, release-date		cumulative, disjunctive, circuit		OPL, Cplex, Ilog Scheduler			generated instance		1199	1729
HoundjiSW19 [316]	27	scheduling, resource, order, inventory, due-date, BOM, task, machine, transportation	single machine	alldifferent, cumulative, circuit					benchmark, random instance, bitbucket	sweep, max-flow	1057	1587
HubnerGSV21 [318]	22	completion-time, resource, order, job, inventory, activity, due-date, task, machine, preempt, transportation, cmax, tardiness, make-span, precedence, scheduling	RCPSPDC, RCPSP	cycle, cumulative, end-BeforeStart, alternative constraint	C	Gurobi, Cplex, OPL	automotive		benchmark, real-life		1025	1555
IsikYA23 [321]	28	tardiness, scheduling, machine, distributed, job, resource, completion-time, flow-shop, batch process, setup-time, job-shop, release-date, due-date, task, precedence, transportation, earliness, order, cmax, sequence dependent setup, preempt, make-span	parallel machine, single machine	circuit, noOverlap, cumulative, endBeforeStart		OPL, Cplex, OZ	medical, robot	steel industry	real-world, benchmark, generated instance, real-life	energetic reasoning	982	1512
JainG01 [323]	19	job-shop, scheduling, due-date, machine, task, job, activity, order, release-date, resource	single machine, parallel machine	cumulative, disjunctive	Prolog	OPL, Ilog Scheduler, Ilog Solver, ECLiPSe, Cplex, CHIP	crew-scheduling				1208	1738
JainM99 [322]	45	scheduling, flow-shop, precedence, cmax, preempt, tardiness, due-date, machine, task, re-scheduling, job, open-shop, completion-time, order, distributed, inventory, lateness, release-date, resource, make-span, job-shop	single machine	disjunctive, cycle		OPL	semiconductor robot		real-world, real-life, benchmark	edge-finder	1223	1753
Jans09 [324]	24	order, scheduling, multi-agent, sequence dependent setup, distributed, inventory, machine, resource, job, setup-time	single machine, parallel machine			Cplex	offshore	process industry	benchmark		1170	1700

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
JuvinHL22 [329]	32	make-span, completion-time, task, precedence, order, cmax, machine, job, activity, re-scheduling, setup-time, release-date, distributed, preempt, job-shop, flow-shop, resource, scheduling	FJS, parallel machine, single machine, JSSP	noOverlap, endBeforeStart, circuit, disjunctive, cumulative		Cplex, CPO			benchmark		1007	1537
JuvinHL23a [331]	17	task, order, job-shop, machine, preempt, activity, make-span, flow-shop, precedence, re-scheduling, resource, job, setup-time, release-date, scheduling, distributed	FJS, JSSP, single machine, parallel machine	bin-packing, cumulative, noOverlap, circuit, end-BeforeStart, disjunctive		CPO, Cplex	vaccine, drone, operating room, COVID		benchmark		983	1513
Kameugne15 [334]	2	resource, scheduling, task, preempt, completion-time		cumulative						not-last, edge-finding, not-first	1109	1639
KameugneFSN14 [338]	27	job-shop, release-date, resource, precedence, job, order, preempt, scheduling, make-span, completion-time, task	RCPSP, psplib, CuSP	disjunctive, cumulative		CHIP, Gecode			random instance, benchmark	energetic reasoning, edge-finding, not-last, not-first, edge-finder, time-tabling	1120	1650
KelbelH11 [341]	10	release-date, inventory, earliness, due-date, preempt, job-shop, resource, scheduling, make-span, distributed, task, precedence, order, completion-time, machine, tardiness, job	JSSP	cumulative, disjunctive		Ilog Solver, OPL, Cplex			benchmark, random instance, generated instance	edge-finder, edge-finding	1150	1680
KhayatLR06 [343]	15	job-shop, due-date, scheduling, preempt, task, order, machine, activity, make-span, cmax, job, precedence, resource, setup-time				OPL, Cplex			real-life, benchmark		1189	1719
KoehlerBFFHPSSS21 [348]	51	flow-shop, scheduling, lateness, job, task, make-span, machine, tardiness, precedence, resource, job-shop, flow-time, order	CTW, single machine	cycle, circuit, cumulative, disjunctive, alldifferent	C, Python	Z3, MiniZinc, OPL, Cplex, Gurobi, OR-Tools, Chuffed	cable tree, automotive, robot		real-world, benchmark, github		1026	1556
KorbaaYG00 [352]	10										1215	1745
KovacsB08 [355]	7	order, tardiness, job, activity, preempt, release-date, resource, scheduling, completion-time, machine	single machine	bin-packing, disjunctive, cumulative, cycle		Ilog Scheduler, Ilog Solver	aircraft		benchmark	sweep	1177	1707
KovacsB11 [356]	24	flow-time, precedence, order, tardiness, job, activity, preempt, release-date, earliness, distributed, due-date, job-shop, flow-shop, resource, scheduling, make-span, completion-time, machine	parallel machine, single machine	disjunctive, cumulative, cycle	C++	Ilog Scheduler, Ilog Solver			benchmark	edge-finding	1151	1681

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KovacsK11 [358]	24	tardiness, job, release-date, earliness, sequence dependent setup, due-date, job-shop, transportation, flow-shop, resource, scheduling, completion-time, task, machine, order	single machine	cycle	C++	Ilog Solver, Gecode, Cplex					1152	1682
KreterSS17 [363]	31	scheduling, task, order, machine, preempt, activity, make-span, completion-time, precedence, resource, lazy clause generation	RCPSP, parallel machine	cycle, alwaysIn, cumulative, diffn		CPO, Cplex, MiniZinc, CHIP, Chuffed			benchmark	edge-finding	1088	1618
KreterSSZ18 [364]	15	machine, precedence, release-date, lazy clause generation, tardiness, scheduling, completion-time, resource, order, preempt, activity, task	RCPSP, psplib	cumulative		Chuffed, MiniZinc, Cplex			benchmark		1079	1609
KuB16 [365]	9	precedence, tardiness, earliness, completion-time, make-span, scheduling, machine, job-shop, job, order		disjunctive		Cplex, Ilog Scheduler, SCIP, Gurobi			benchmark		1100	1630
KuchcinskiW03 [366]	15	scheduling, precedence, resource, distributed, order		cycle, circuit	Java		pipeline		benchmark		1200	1730
Laborie03 [369]	38	task, precedence, order, cmax, machine, job, activity, re-scheduling, setup-time, release-date, inventory, preempt, job-shop, resource, scheduling, make-span		cycle, table constraint, cumulative, disjunctive	C++	Ilog Scheduler			benchmark	edge-finding, not-last, energetic reasoning, not-first, time-tabling	1201	1731
LaborieRSV18 [372]	41	release-date, job-shop, resource, activity, precedence, sequence dependent setup, earliness, scheduling, machine, inventory, transportation, manpower, due-date, setup-time, batch process, order, tardiness, flow-shop, job, make-span, re-scheduling, task, distributed	psplib, parallel machine, RCPSP	alternative constraint, cumulative, noOverlap, disjunctive, span constraint, cycle, alwaysIn, endBeforeStart	C, Python, C++, Java	CHIP, Gecode, Ilog Solver, Cplex, Ilog Scheduler, OPL, Choco Solver, CPO	semiconductor, railway, container terminal, satellite, robot, pipeline, aircraft, shipping line	chemical industry, petrochemical industry	real-world, CSPLib, benchmark	edge-finding	1080	1610
LacknerMMWW23 [374]	42	release-date, batch process, setup-time, job, order, due-date, tardiness, scheduling, make-span, machine, task, lateness, job-shop, earliness	parallel machine, OSP, single machine	alternative constraint, disjunctive, bin-packing, noOverlap, cumulative, endBeforeStart		Chuffed, Cplex, OPL, CPO, OR-Tools, MiniZinc, Gurobi	semiconductor, oven scheduling	electronics industry, steel industry, manufacturing industry	random instance, industrial partner, benchmark, instance generator, zenodo, real-life	time-tabling	984	1514
LammaMM97 [377]	15	job-shop, resource, scheduling, precedence, order, task, job, distributed		circuit, disjunctive	C++, Prolog	ECLiPSe, OPL, CHIP	railway		real-life		1230	1760
LetortCB15 [385]	52	machine, make-span, job, precedence, resource, scheduling, task, order	psplib	cumulative, cycle, bin-packing	Java, Prolog	Choco Solver, CHIP, SICStus			generated instance, Roadef, benchmark, random instance	energetic reasoning, sweep, edge-finding	1110	1640

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LiW08 [386]	18	precedence, activity, resource, completion-time, setup-time, make-span, scheduling, machine, preempt, job-shop, no preempt, job, re-scheduling, open-shop, due-date, task, order	RCPSP	disjunctive, cycle, bin-packing		Ilog Solver, OZ, Cplex, ECLiPSe, OPL, CHIP			real-world		1178	1708
LiessM08 [388]	12	preempt, resource, scheduling, machine, job, activity, precedence, job-shop, task, make-span, order, cmax	RCPSP, psplib	disjunctive, cumulative	C++	OZ			benchmark	edge-finding	1179	1709
LimtanyakulS12 [393]	32	release-date, scheduling, order, completion-time, job, resource, activity, tardiness, machine, due-date, precedence		table constraint, disjunctive, bin-packing, cumulative		OZ, Ilog Scheduler, Cplex	robot, automotive	automotive industry	random instance, real-life, generated instance, industrial partner, benchmark	not-last, energetic reasoning, not-first, edge-finding	1133	1663
LombardiM10a [402]	30	due-date, distributed, order, job, make-span, release-date, re-scheduling, task, completion-time, resource, activity, precedence, preempt, scheduling, machine	TCSP	cycle, span constraint, cumulative, disjunctive, table constraint	C	Cplex			real-world, benchmark, real-life	sweep	1160	1690
LombardiM12 [405]	35	precedence, flow-shop, job-shop, transportation, completion-time, re-scheduling, make-span, sequence dependent setup, order, setup-time, job, activity, earliness, scheduling, due-date, resource, task, machine, inventory, preempt, distributed, manpower, lazy clause generation, tardiness	parallel machine, RCPSP, psplib	cycle, disjunctive, cumulative, circuit		OZ, OR-Tools	aircraft	chemical industry	real-world, benchmark	energetic reasoning, edge-finding	1134	1664
LombardiM12a [404]	10	order, make-span, completion-time, resource, activity, precedence, producer/consumer, scheduling	psplib, RCPSP	disjunctive		Ilog Solver			benchmark		1135	1665
LombardiMB13 [407]	14	distributed, order, cmax, make-span, re-scheduling, task, completion-time, resource, activity, precedence, preempt, scheduling	SCC, RCPSP	cycle, cumulative, circuit		OR-Tools, Gecode, Ilog Solver	pipeline, medical		real-world, benchmark		1127	1657
LombardiMRB10 [408]	31	preempt, producer/consumer, scheduling, make-span, release-date, task, precedence, resource, order, activity, re-scheduling, distributed, completion-time, no preempt, tardiness	SCC	cumulative, disjunctive, cycle, bin-packing, table constraint, circuit	C	ECLiPSe, OZ, Cplex	pipeline, semiconductor		real-life, benchmark, real-world		1161	1691
LopesCSM10 [409]	39	distributed, stock level, resource, inventory, job-shop, due-date, scheduling, activity, task, order, transportation, make-span, job, precedence, re-scheduling		disjunctive, table constraint, cycle, alldifferent	C++	Ilog Scheduler, Ilog Solver, OZ, OPL	pipeline	oil industry	benchmark, real-world	max-flow	1162	1692
LopezAKYG00 [410]	4										1216	1746

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LorigeonBB02 [411]	8	setup-time, preempt, scheduling, machine, order, flow-shop, job, cmax, make-span, open-shop, completion-time, resource, activity	parallel machine, Open Shop Scheduling Problem			OZ, Cplex, OPL					1204	1734
LunardiBLRV20 [413]	20	scheduling, due-date, make-span, machine, completion-time, job-shop, flow-shop, resource, precedence, setup-time, activity, re-scheduling, job, order, tardiness, preempt	FJS	endBeforeStart, noOverlap	Python	Cplex			benchmark, random instance, generated instance, github		1042	1572
MalapertCGJLR12 [421]	17	cmax, transportation, open-shop, resource, preempt, precedence, flow-shop, task, completion-time, job, job-shop, order, activity, make-span, machine, scheduling	Open Shop Scheduling Problem, OSP	disjunctive, cumulative, cycle	Java	Choco Solver			benchmark	not-first, not-last, edge-finding	1136	1666
MalikMB08 [425]	18	distributed, resource, scheduling, machine, precedence, order		cycle			pipeline		benchmark	edge-finding	1180	1710
MartinPY01 [427]	17	scheduling, task, order, machine, transportation, re-scheduling, resource		circuit	Prolog	ECLiPSe, Ilog Solver	railway, aircraft		real-life		1209	1739
Mason01 [429]	38	scheduling, order, task, activity, transportation				OPL, OZ, Cplex	railway, crew-scheduling, nurse				1210	1740
MejiaY20 [431]	13	resource, completion-time, machine, setup-time, job, job-shop, open-shop, cmax, sequence dependent setup, release-date, preempt, due-date, re-scheduling, make-span, transportation, multi-agent, order, tardiness, scheduling, distributed	Open Shop Scheduling Problem, OSSP, parallel machine	disjunctive	Java	Cplex, ECLiPSe	agriculture, robot		supplementary material, benchmark, generated instance		1043	1573
MenciaSV12 [433]	32	scheduling, flow-time, task, order, lateness, job-shop, machine, preempt, make-span, sequence dependent setup, cmax, completion-time, job, precedence, distributed, resource, setup-time	JSSP, single machine	cycle, disjunctive			steel mill		real-life, benchmark	edge-finding, energetic reasoning, time-tabling	1137	1667
MenciaSV13 [434]	11	scheduling, flow-time, task, order, lateness, job-shop, machine, preempt, make-span, sequence dependent setup, cmax, flow-shop, completion-time, job, precedence, resource, setup-time	JSSP, single machine	cycle, disjunctive			steel mill		real-life, supplementary material, benchmark	edge-finding, energetic reasoning, time-tabling	1128	1658

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MengZRZL20 [435]	13	earliness, job-shop, scheduling, machine, preempt, sequence dependent setup, flow-time, flow-shop, order, completion-time, transportation, make-span, cmax, job, precedence, batch process, open-shop, distributed, tardiness, resource, no preempt, setup-time, task	Open Shop Scheduling Problem, OSP, parallel machine, FJS	alternative constraint, noOverlap, endBeforeStart		OPL, Gecode, Gurobi, OR-Tools, Cplex	robot, semi-conductor		supplementary material, benchmark		1044	1574
MercierH08 [436]	21	job-shop, due-date, scheduling, preempt, task, order, job, release-date, resource		cumulative, disjunctive						edge-finder, edge-finding	1181	1711
MilanoW06 [440]	45	release-date, setup-time, preempt, transportation, distributed, due-date, job-shop, resource, scheduling, order, completion-time, task, machine, tardiness, job, lateness, activity	single machine, parallel machine	circuit, cumulative, alldifferent		OPL, CHIP, ECLiPSe, Cplex	crew-scheduling		benchmark	edge-finder, time-tabling	1190	1720
MilanoW09 [441]	40	release-date, lazy clause generation, setup-time, preempt, transportation, distributed, due-date, job-shop, resource, scheduling, order, completion-time, task, machine, tardiness, job, lateness, activity	single machine	circuit, cumulative, alldifferent		SCIP, OPL, CHIP, ECLiPSe, Cplex	crew-scheduling		benchmark	edge-finder, time-tabling	1171	1701
MokhtarzadehTNF20 [443]	14	task, make-span, multi-agent, setup-time, distributed, manpower, precedence, resource, completion-time, machine, scheduling, order, job	parallel machine	alldifferent, cycle, circuit		Cplex	robot, crew-scheduling		generated instance, real-world	time-tabling	1045	1575
MontemanniD23 [447]	13	resource, distributed, order, scheduling, machine, task		circuit	Python	OPL, OR-Tools, Gurobi	robot, drone		benchmark, supplementary material		985	1515
MontemanniD23a [446]	20	order, completion-time, task, transportation, scheduling		circuit	Python	OR-Tools	drone		benchmark		986	1516
MullerMKP22 [451]	18	precedence, job-shop, batch process, scheduling, completion-time, make-span, order, setup-time, job, activity, due-date, resource, task, machine, preempt, cmax	FJS	disjunctive, circuit	Java, Python	Chuffed, MiniZinc, OZ, Gecode, Choco Solver, OPL, Cplex, OR-Tools	robot, semi-conductor		benchmark, random instance, real-world, github		1009	1539
NaderiBZ22 [457]	29	distributed, resource, setup-time, job-shop, open-shop, due-date, scheduling, tardiness, flow-shop, order, lateness, transportation, machine, make-span, completion-time, job	single machine, parallel machine	disjunctive, noOverlap		Cplex, CPO, OZ	operating room, nurse, patient, crew-scheduling, automotive, surgery		benchmark, real-life		1010	1540

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
NaderiBZ22a [456]	19	task, machine, preempt, precedence, flow-shop, job-shop, distributed, transportation, tardiness, re-scheduling, make-span, scheduling, completion-time, sequence dependent setup, resource, order, setup-time, job	parallel machine	endBeforeStart, noOverlap, disjunctive	C++	CPO, OZ, Cplex	crew-scheduling, robot, operating room, automotive, nurse		benchmark		1011	1541
NaderiRR23 [460]	27	preempt, sequence dependent setup, flow-shop, task, order, earliness, transportation, machine, make-span, cmax, completion-time, job, precedence, re-scheduling, distributed, resource, setup-time, job-shop, open-shop, due-date, scheduling, tardiness	RCPSP, FJS, OSP, Open Shop Scheduling Problem, PMSP, PTC, single machine, parallel machine	cumulative, noOverlap, endBeforeStart, disjunctive, alternative constraint	Python	CPO, OZ, Z3, Gurobi, SCIP, Cplex	crew-scheduling, automotive, operating room		github, benchmark		987	1517
NattafAL15 [462]	21	resource, release-date, due-date, scheduling, preempt, task, order, activity, make-span	CECSP, CuSP, RCPSP	cumulative	C++	Cplex			generated instance	in-sweep, energetic reasoning	1111	1641
NattafAL17 [463]	18	resource, release-date, scheduling, task, order, activity, make-span, job	CECSP	disjunctive, cumulative	C++	Cplex			real-world	edge-finding, energetic reasoning	1089	1619
NattafALR16 [464]	34	precedence, scheduling, make-span, order, activity, due-date, no preempt, resource, task, preempt, release-date	RCPSP, CECSP, CuSP	cumulative	C++	Cplex			generated instance	in-sweep, energetic reasoning	1101	1631
NattafDYW19 [465]	16	scheduling, completion-time, make-span, order, setup-time, job, resource, machine, cmax, job-shop	parallel machine, single machine, PTC	noOverlap, alternative constraint		OPL, Cplex	semiconductor		benchmark		1058	1588
NattafHKAL19 [466]	16	preempt, scheduling, order, machine, task, make-span, release-date, resource, activity	single machine, CECSP, RCPSP	cumulative		Cplex			real-life, benchmark	energetic reasoning	1059	1589
NishikawaSTT19 [472]	16	re-scheduling, make-span, order, preempt, resource, activity, task, distributed, machine, precedence, scheduling	parallel machine	cumulative, alternative constraint		Cplex, OZ	pipeline, robot		real-world, benchmark		1060	1590
NovaraNH16 [473]	17	earliness, machine, make-span, job, precedence, batch process, re-scheduling, tardiness, resource, setup-time, due-date, scheduling, activity, sequence dependent setup, manpower, task, order, completion-time		cumulative, noOverlap, endBeforeStart, disjunctive, alternative constraint		OPL, Cplex		pharmaceutical industry	CSplib, benchmark		1102	1632

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Novas19 [474]	13	inventory, lateness, setup-time, resource, make-span, scheduling, flow-shop, transportation, flow-time, precedence, cmax, release-date, job-shop, sequence dependent setup, due-date, machine, task, tardiness, job, completion-time, activity, order, distributed	parallel machine, FJS	cycle, cumulative, noOverlap, endBeforeStart		OPL, Cplex	OZ, medical, semiconductor, robot		benchmark		1061	1591
NovasH10 [475]	20	precedence, batch process, due-date, re-scheduling, make-span, earliness, order, tardiness, scheduling, resource, completion-time, machine, setup-time, lateness, job, task, manpower, activity				OZ, Ilog Scheduler	pipeline				1163	1693
NovasH12 [476]	17	precedence, make-span, transportation, order, scheduling, resource, completion-time, machine, job, task, activity		cycle		Ilog Solver, OZ, OPL, Ilog Scheduler	semiconductor robot, hoist, electroplating, container terminal				1138	1668
NovasH14 [477]	14	precedence, make-span, transportation, order, scheduling, buffer-capacity, resource, completion-time, machine, job, job-shop, task, activity	parallel machine, single machine			Ilog Solver, OPL, Ilog Scheduler	robot		benchmark		1121	1651
NuijtenA96 [480]	16	precedence, resource, job-shop, scheduling, preempt, flow-shop, order, completion-time, machine, make-span, job	JSSP	disjunctive		CPO				time-tabling	1233	1763
NuijtenP98 [479]	16	resource, setup-time, job-shop, scheduling, preempt, manpower, flow-shop, task, order, completion-time, transportation, machine, make-span, job, precedence completion-time, lazy clause generation, scheduling, make-span, machine, open-shop, resource, order, job	JSSP, single machine	disjunctive	C++	Ilog Solver, Ilog Scheduler, OPL	satellite		real-life	edge-finding	1226	1756
OhrimenkoSC09 [483]	35	completion-time, lazy clause generation, scheduling, make-span, machine, open-shop, resource, order, job	Open Shop Scheduling Problem	disjunctive, alldifferent		Gecode, OZ			benchmark		1172	1702
OzturkTHO13 [488]	36	order, setup-time, job, activity, scheduling, completion-time, resource, task, machine, preempt, cmax, precedence, flow-shop, make-span	SBSFMMAL	cycle, disjunctive, cumulative		OPL, Cplex, CHIP, Ilog Solver, OZ			real-world, real-life	edge-finding	1129	1659
PandeyS21a [489]	29	make-span, re-scheduling, job, precedence, distributed, resource, task, scheduling, machine, activity, flow-shop, order, completion-time	single machine, parallel machine, PMSP	cumulative, endBeforeStart, alternative constraint		OPL, Cplex, OZ	semiconductor		benchmark		1028	1558

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
PapaB98 [492]	25	due-date, preempt, machine, re-scheduling, job, activity, order, task, make-span, completion-time, scheduling, flow-shop, distributed, cmax, setup-time, resource, job-shop	PJSSP, JSSP	cumulative, table constraint, disjunctive	C++	Ilog Solver, CHIP, Claire	hoist		benchmark	edge-finder, energetic reasoning, edge-finding	1227	1757
Pape94 [490]	34	task, order, due-date, scheduling, multi-agent, distributed, resource, inventory, precedence, re-scheduling, machine, activity, job, release-date, job-shop		cumulative, disjunctive	Lisp, Prolog, C++	OZ					1236	1766
PenzDN23 [495]	13	tardiness, scheduling, machine, flow-time, job, resource, completion-time, setup-time, job-shop, release-date, activity, earliness, preempt, make-span, order	parallel machine, single machine			Cplex	semiconductor				989	1519
PoderBS04 [501]	16	preempt, due-date, resource, scheduling, precedence, order, task, machine, activity, producer/consumer, release-date	RCPSp	cumulative	Prolog	CHIP		chemical industry			1197	1727
PohlAK22 [502]	16	resource, activity, completion-time, setup-time, lateness, release-date, precedence, transportation, earliness, order, sequence dependent setup, re-scheduling, tardiness, inventory, scheduling, machine, job	SCC, single machine	noOverlap, cumulative	Python	Gurobi, Cplex, OZ	aircraft		benchmark, real-world		1013	1543
Polo-MejiaALB20 [503]	18	cmax, resource, preempt, precedence, earliness, tardiness, task, due-date, job, order, activity, release-date, make-span, machine, scheduling, completion-time, setup-time	RCPSp	alternative constraint, alwaysIn, cumulative, noOverlap, disjunctive, endBeforeStart	C++	Cplex, CPO			Roadef, github		1046	1576
PourDERB18 [505]	12	scheduling, task, order, machine, transportation, job				Cplex, OR-Tools	crew-scheduling, railway		real-life, benchmark, real-world, generated instance		1081	1611
PrataAN23 [509]	17	machine, tardiness, job, lateness, activity, re-scheduling, flow-time, setup-time, release-date, inventory, earliness, sequence dependent setup, distributed, due-date, preempt, job-shop, batch process, flow-shop, resource, scheduling, make-span, open-shop, completion-time, task, precedence, order	single machine, parallel machine, Open Shop Scheduling Problem	circuit, cumulative		OZ, CHIP	robot, aircraft, energy-price, dairy	manufacturing industry	benchmark, real-world, real-life	time-tabling	967	1497

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
QinDCS20 [512]	18	transportation, order, cmax, tardiness, scheduling, resource, completion-time, machine, setup-time, job, task, activity, precedence, make-span	parallel machine	endBeforeStart, cycle, noOverlap		Cplex, OPL	yard crane, shipping line, container terminal		real-life, benchmark		1047	1577
QinWSLS21 [511]	12	preempt, job-shop, flow-shop, batch process, scheduling, make-span, order, cmax, completion-time, machine, tardiness, job, lateness	single machine		C++	OZ, OPL, Cplex	agriculture, semiconductor				1029	1559
Rodriguez07 [520]	15	precedence, job-shop, transportation, job, scheduling, resource, order, task, preempt, activity, due-date		disjunctive, circuit		Ilog Solver, Ilog Scheduler, Cplex, Z3	railway, satellite		real-life		1186	1716
RodriguezDG02 [519]	10	completion-time, scheduling, resource, transportation, activity, order		circuit, disjunctive			railway			edge-finding	1206	1736
RoshanaeiBAUB20 [521]	19	job, job-shop, setup-time, activity, machine, scheduling, distributed, resource, sequence dependent setup, re-scheduling, order	parallel machine	bin-packing, noOverlap, disjunctive	C++	Cplex	patient, operating room, nurse, surgery		real-world, benchmark, generated instance		1048	1578
RoshanaeiLAU17 [522]	17	tardiness, sequence dependent setup, resource, setup-time, task, distributed, machine, transportation, job-shop, scheduling, order, job, re-scheduling, make-span, release-date	parallel machine, single machine	bin-packing		Cplex, Gurobi	medical, patient, nurse, surgery, operating room		real-world		1090	1620
RuggieroBBMA09 [525]	14	scheduling, order, resource, activity, preempt, setup-time, distributed, machine, precedence, task		circuit, cumulative, cycle		OZ, Ilog Solver, Ilog Scheduler, Cplex	pipeline, satellite		instance generator, real-life		1173	1703
SacramentoSP20 [526]	33	preempt, distributed, machine, precedence, task, flow-shop, job-shop, open-shop, transportation, scheduling, order, completion-time, job, resource, make-span, activity	parallel machine, Open Shop Scheduling Problem	disjunctive, cumulative, alternative constraint, end-BeforeStart, noOverlap	Java	Cplex, OZ, CPO	container terminal		benchmark, real-life, zenodo, real-world		1049	1579
SadykovW06 [528]	9	scheduling, lateness, due-date, machine, completion-time, job, release-date	single machine, parallel machine	disjunctive		CHIP	robot		generated instance		1191	1721
SakkoutW00 [529]	30	scheduling, distributed, task, order, job-shop, machine, preempt, activity, precedence, transportation, re-scheduling, resource, job	KRFP, single machine	bin-packing, disjunctive		CHIP, Cplex	emergency service, aircraft		benchmark, real-world	edge-finding, edge-finder	1217	1747
SchausHMCMD11 [531]	23	order, task	SCC	bin-packing			steel mill	steel industry	benchmark, CSPlib, generated instance		1153	1683
SchildW00 [532]	23	distributed, job-shop, flow-shop, resource, scheduling, completion-time, task, machine, precedence, order, job	single machine	disjunctive, cycle, bin-packing		OZ, Ilog Solver	automotive	automotive industry, aerospace industry		time-tabling, edge-finding	1218	1748

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SchnellH15 [533]	21	scheduling, machine, preempt, activity, make-span, precedence, cmax, resource, job, lazy clause generation	RCPSP, psplib	cycle, cumulative		SCIP	automotive		real-life, benchmark, supplementary material		1112	1642
SchuttFSW11 [540]	33	scheduling, completion-time, resource, open-shop, order, task, machine, preempt, activity, lazy clause generation, precedence, make-span	psplib, RCPSP	disjunctive, cumulative, circuit, span constraint		Ilog Scheduler, ECLiPSe, CHIP, SICStus, OZ			benchmark, real-world	not-last, not-first, edge-finding, edge-finder	1154	1684
SchuttFSW13 [541]	17	scheduling, resource, order, setup-time, task, machine, preempt, activity, cmax, lazy clause generation, precedence, release-date	SCC, psplib, RCPSP	cycle, disjunctive, cumulative	C++	CHIP, OZ			benchmark, supplementary material		1130	1660
ShaikhK23 [547]	12	order, job, activity, re-scheduling, distributed, job-shop, resource, scheduling, open-shop, task, machine					medical, drone		benchmark, real-world	time-tabling	990	1520
ShinBBHO18 [550]	16	scheduling, task, order, machine, preempt, activity, transportation, resource, inventory, job					patient, physician, medical, nurse		github, real-world		1082	1612
Siala15 [551]	2	resource, scheduling		disjunctive					benchmark		1113	1643
SimoninAHL15 [555]	23	resource, activity, precedence, preempt, scheduling, order, inventory, transportation, task, make-span		disjunctive, span constraint, cumulative, cycle		CHIP	earth observation, satellite, pipeline, robot			sweep	1114	1644
Simonis07 [559]	30	due-date, job-shop, batch process, transportation, resource, scheduling, make to order, task, machine, producer/consumer, order, bill of material, job, activity, re-scheduling, setup-time, release-date, sequence dependent setup		disjunctive, cumulative, alldifferent, cycle, diffn, bin-packing	Prolog	OZ, OPL, CHIP, Ilog Scheduler	aircraft, patient, nurse, medical			time-tabling, sweep, bi-partite matching	1187	1717
SimonisCK00 [560]	7	activity, task, machine, transportation, producer/consumer, stock level, scheduling, resource, order		disjunctive, cycle, cumulative, circuit, diffn, bin-packing	C++, Prolog	CHIP	crew-scheduling, aircraft	food industry			1219	1749
SourdN00 [563]	12	make-span, order, scheduling, resource, completion-time, machine, setup-time, job, job-shop, flow-shop, precedence, open-shop, cmax, release-date, preempt	single machine, JSSP	disjunctive, cumulative		Ilog Scheduler	robot		real-life, benchmark	edge-finding, not-first	1220	1750
SubulanC22 [565]	38	scheduling, tardiness, task, order, due-date, machine, preempt, activity, make-span, BOM, completion-time, precedence, transportation, resource, inventory	RCPSP	endBeforeStart, cumulative		Cplex, OZ, OPL	offshore		real-life, benchmark, real-world		1015	1545

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SureshMOK06 [568]	19	distributed, scheduling, buffer-capacity, order, job, task, machine		cumulative, cycle		Z3, OZ					1192	1722
TangLWSK18 [574]	28	scheduling, task, order, preempt, activity, job, transportation, re-scheduling, resource	RCPSP	cycle, circuit	C	Cplex, OZ, OPL	crew-scheduling, railway, pipeline robot				1083	1613
TerekhovDOB12 [580]	15	activity, job, distributed, due-date, completion-time, tardiness, preempt, job-shop, scheduling, make-span, machine, release-date, lateness, flow-shop, precedence, earliness, cmax, open-shop, resource, order, inventory	parallel machine, RCPSP, single machine	cumulative, disjunctive, alldifferent	C++	Ilog Solver, Ilog Scheduler, OZ, Cplex			real-life		1139	1669
TerekhovTDB14 [581]	38	flow-shop, cmax, resource, order, inventory, activity, re-scheduling, job, distributed, completion-time, no preempt, tardiness, preempt, job-shop, scheduling, flow-time, make-span, buffer-capacity, machine, release-date, task	parallel machine, single machine			Ilog Scheduler, Cplex	semiconductor robot		real-world		1122	1652
ThiruvadyWGS14 [585]	34	order, completion-time, resource, activity, tardiness, distributed, machine, precedence, task, job, make-span, scheduling	psplib, single machine	cumulative				mining industry	benchmark		1123	1653
Timpe02 [588]	18	due-date, order, machine, inventory, task, job, activity, stock level, setup-time, resource, make-span, scheduling, producer/consumer		cumulative, disjunctive, diffn, cycle	C++	CHIP, Cplex		chemical industry, process industry			1207	1737
TopalogluO11 [590]	10	order, re-scheduling, task, distributed, transportation, preempt, scheduling				Cplex, OPL, OZ, Ilog Solver	surgery, nurse, medical, physician, emergency service, patient robot		real-life	time-tabling	1155	1685
TorresL00 [591]	12	precedence, order, job, preempt, release-date, job-shop, resource, scheduling, make-span, task, machine	JSSP, single machine	disjunctive, cumulative, cycle	C++	OZ			benchmark	not-last, energetic reasoning, not-first	1221	1751
TranAB16 [594]	13	sequence dependent setup, release-date, due-date, make-span, order, cmax, tardiness, scheduling, resource, completion-time, machine, setup-time, job, precedence	parallel machine, single machine, PMSP	cycle, circuit		SCIP, Gurobi, Cplex, OZ	aircraft		benchmark		1103	1633
TranPZLDB18 [597]	17	task, machine, preempt, distributed, re-scheduling, make-span, scheduling, completion-time, resource, order, job	single machine	bin-packing	C++	Cplex, OZ			benchmark, generated instance		1084	1614

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
TranVNB17 [599]	68	resource, scheduling, multi-agent, precedence, order, task, machine, job, activity, re-scheduling, transportation		noOverlap, alternative constraint, cumulative		OPL, MiniZinc, Cplex	satellite, robot, medical		real-world		1092	1622
TrojetHL11 [602]	7	order, job-shop, machine, activity, make-span, completion-time, job, precedence, distributed, resource, due-date, scheduling, task	RCPSP	cumulative, diffn, disjunctive, cycle, alldifferent	Prolog	OZ, CHIP, SICStus	robot		real-world		1156	1686
Tsang03 [603]	2	resource, scheduling							real-life	time-tabling	1202	1732
VilimBC05 [620]	23	setup-time, sequence dependent setup, distributed, job-shop, batch process, resource, scheduling, make-span, open-shop, completion-time, task, machine, precedence, order, job, activity		disjunctive, cumulative, cycle					benchmark, real-life	not-first, sweep, edge-finding, not-last	1195	1725
VlkHT21 [623]	14	tardiness, due-date, completion-time, order, distributed, precedence, resource, scheduling	PMSP	alternative constraint, noOverlap		OPL, Cplex, Gurobi, Z3	automotive, robot		industrial partner, random instance, github, benchmark		1030	1560
Wallace96 [625]	30	job-shop, transportation, distributed, task, resource, scheduling, multi-agent, order, machine, job, activity		circuit, disjunctive, cycle	Prolog, Lisp	CHIP, Ilog Solver, ECLiPSe, OZ, OPL	automotive, aircraft, railway, robot	process industry, automotive industry		time-tabling	1234	1764
WallaceY20 [627]	19	scheduling, machine, flow-shop, order, transportation, job, lazy clause generation, resource, task, job-shop	CHSP	circuit, cumulative, disjunctive, cycle		Chuffed, OPL, Gecode, Gurobi, Cplex, MiniZinc	robot, hoist, electroplating, yard crane, container terminal		random instance, real-life, real-world, benchmark	edge-finding, time-tabling	1050	1580
WangMD15 [630]	13	make-span, scheduling, job, resource, activity, completion-time, job-shop, task, precedence, order, cmax, re-scheduling		noOverlap, cumulative		OPL, Cplex, OZ	nurse, operating room, surgery, medical, physician, patient		real-life, real-world	time-tabling	1115	1645
WikarekS19 [634]	22	multi-agent, scheduling, machine, preempt, manpower, flow-shop, order, make-span, cmax, resource, inventory, job, precedence, distributed, setup-time, task, job-shop	JSSP, RCPSP	cumulative, disjunctive		OZ, Z3, SCIP, ECLiPSe	robot				1063	1593
WuBB09 [643]	9	task, order, scheduling, completion-time, distributed, resource, job, precedence, lateness, machine, activity, job-shop, flow-time, transportation	single machine	cumulative		Ilog Solver	railway, crew-scheduling		real-world		1174	1704
YounespourAKE19 [645]	11	precedence, re-scheduling, resource, inventory, order, scheduling, completion-time, cmax, activity, make-span, distributed, machine		noOverlap, alternative constraint, span constraint, cumulative		OPL, Z3	operating room, nurse, medical, surgery, patient		real-life, real-world		1064	1594

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
YunusogluY22 [648]	18	due-date, batch process, order, tardiness, job, cmax, make-span, release-date, re-scheduling, lateness, flow-time, precedence, completion-time, sequence dependent setup, job-shop, resource, activity, setup-time, earliness, preempt, scheduling, machine, inventory, transportation	PMSp, parallel machine	noOverlap, bin-packing, endBeforeStart, cumulative		Cplex, OPL, OZ	robot, medical		real-world, benchmark, generated instance, real-life, supplementary material		1016	1546
YuraszeckMCCR23 [651]	11	setup-time, cmax, activity, make-span, machine, open-shop, precedence, resource, preempt, batch process, task, flow-shop, order, scheduling, job, job-shop, flow-time	RCPSP, Open Shop Scheduling Problem, JSSP, FJS, OSSP	endBeforeStart, cumulative		OPL, Cplex		pharmaceutical industry	github, real-world, benchmark		991	1521
YuraszeckMPV22 [650]	26	completion-time, sequence dependent setup, resource, setup-time, task, distributed, open-shop, machine, due-date, transportation, flow-shop, flow-time, job-shop, scheduling, order, job, re-scheduling, make-span, release-date	Open Shop Scheduling Problem, OSSP, single machine, JSSP	noOverlap, disjunctive	Java	Cplex	semiconductor, automotive, robot	manufacturing industry	generated instance, github, benchmark, real-life		1017	1547
ZarandiASC20 [654]	93	scheduling, order, machine, tardiness, flow-shop, job, inventory, cmax, re-scheduling, open-shop, task, batch process, distributed, lateness, flow-time, make-span, release-date, resource, activity, multi-agent, precedence, completion-time, sequence dependent setup, earliness, job-shop, transportation, due-date, setup-time, preempt	JSSP, single machine, PMSp, parallel machine, RCPSP, OSSP, FJS, Open Shop Scheduling Problem	disjunctive, cycle	Prolog	OPL, OZ	satellite, robot, surgery, nurse, aircraft, drone, medical, semiconductor, operating room, railway, crew-scheduling, container terminal	textile industry	real-world, benchmark, real-life	max-flow, time-tabling	1051	1581
ZarandiKS16 [653]	17	make-span, job, scheduling, completion-time, resource, order, task, machine, preempt, earliness, distributed, due-date, tardiness, flow-shop, job-shop, transportation	single machine			Ilog Solver	robot		real-world	time-tabling	1104	1634
ZeballosH05 [655]	10	transportation, scheduling, buffer-capacity, completion-time, make-span, order, job, activity, due-date, resource, task, machine, tardiness, precedence				Ilog Scheduler, OPL, Ilog Solver	robot				1196	1726

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ZeballosQH10 [656]	20	cmax, make-span, resource, activity, precedence, completion-time, earliness, job-shop, transportation, due-date, preempt, scheduling, order, machine, tardiness, job, task				ECLiPSe, Ilog Solver, OZ, Cplex, Ilog Scheduler, OPL	robot		benchmark, real-world		1164	1694
ZhangW18 [660]	18	job, completion-time, flow-shop, precedence, lateness, job-shop, re-scheduling, transportation, multi-agent, earliness, order, preempt, flow-time, make-span, distributed, resource, tardiness, scheduling, machine, setup-time	FJS	noOverlap, cumulative		Cplex, Z3, OPL	robot		benchmark		1085	1615
ZhangYW21 [659]	10	cmax, task, machine, job, activity, re-scheduling, release-date, setup-time, preempt, distributed, job-shop, batch process, resource, scheduling, multi-agent, make-span, precedence, order	RCPSP	endBeforeStart, disjunctive		Cplex	robot		benchmark		1031	1561
Zhou97 [663]	29	release-date, job-shop, due-date, task, order, preempt, scheduling, precedence, completion-time, job, machine		cumulative, disjunctive	Prolog	CHIP, Ilog Scheduler, Z3			benchmark	edge-finding, edge-finder	1231	1761
ZhuSZW23 [666]	22	order, cmax, scheduling, distributed, resource, completion-time, inventory, machine, setup-time, job, job-shop, task, precedence, open-shop, preempt, re-scheduling, make-span, transportation, multi-agent		alternative constraint, end-BeforeStart, disjunctive, noOverlap		Cplex	robot		real-world, benchmark		992	1522
ZouZ20 [669]	10	resource, activity, task, order, scheduling, precedence, completion-time, distributed		cumulative, endBeforeStart, noOverlap, span constraint		Cplex, OPL	pipeline		benchmark		1052	1582
abs-0907-0939 [499]	12	resource, order, activity, due-date, preempt, scheduling, make-span, release-date, task		cumulative	Java	Choco Solver, CHIP			real-world	sweep, energetic reasoning, edge-finding	1175	1705
abs-1009-0347 [539]	37	scheduling, make-span, machine, task, precedence, cmax, resource, order, activity, preempt, lazy clause generation	RCPSP, psplib, SCC	cumulative, disjunctive, cycle	C++	Ilog Solver, Ilog Scheduler, CHIP, OZ			benchmark, instance generator		1165	1695
abs-1901-07914 [77]	8	multi-agent, scheduling, order, resource, make-span, distributed, machine, task			Python	OZ, MiniZinc, OR-Tools	robot		benchmark, real-world, github		1065	1595
abs-1902-01193 [14]	9	order, resource, activity, BOM, task, scheduling			C++, Prolog, Python	Ilog Solver, CHIP, OPL	medical, nurse			time-tabling	1066	1596

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-1902-09244 [282]	62	order, tardiness, completion-time, resource, setup-time, activity, inventory, task, machine, due-date, precedence, transportation, earliness, flow-shop, job-shop, scheduling, job, make-span, release-date	FJS, RCPSP	cumulative, endBeforeStart, cycle		Cplex, OZ, OPL	aircraft	steel industry, food-processing industry	benchmark, industry partner, real-world		1067	1597
abs-1911-04766 [235]	16	release-date, scheduling, order, completion-time, job, re-scheduling, resource, make-span, activity, due-date, precedence, task	RCPSP	noOverlap, disjunctive, cumulative, alternative constraint, endBeforeStart	Java	OZ, MiniZinc, CPO, Chuffed, Gecode, Cplex	automotive		real-world, generated instance, industrial partner, github, benchmark, instance generator, real-life	time-tabling	1068	1598
abs-2102-08778 [155]	10	open-shop, machine, task, flow-shop, job-shop, scheduling, order, job, resource, make-span	JSSP		Java	OR-Tools, Cplex, OPL, MiniZinc, CPO			generated instance, benchmark, real-life, real-world		1032	1562
abs-2211-14492 [566]	17	resource, setup-time, distributed, activity, due-date, precedence, task, flow-shop, machine, transportation, job-shop, scheduling, order, job, make-span, tardiness, completion-time, cmax	single machine	bin-packing, cumulative, disjunctive	Python	Cplex, OR-Tools, OZ	semiconductor		benchmark, random instance, generated instance		1018	1548
abs-2305-19888 [296]	42	scheduling, order, job, re-scheduling, make-span, completion-time, cmax, sequence dependent setup, preempt, resource, setup-time, distributed, activity, precedence, task, flow-shop, machine	parallel machine	noOverlap, cumulative, alternative constraint		Gurobi	robot		real-world, generated instance, gitlab, benchmark		993	1523
abs-2306-05747 [577]	9	job-shop, re-scheduling, flow-time, scheduling, order, completion-time, job, resource, make-span, tardiness, preempt, machine, precedence, task, flow-shop	JSSP	noOverlap, disjunctive, cumulative	Java	Choco Solver			real-world, supplementary material, github, industrial instance, benchmark		994	1524
abs-2312-13682 [497]	20	re-scheduling, scheduling, order, resource, make-span, activity, machine, transportation, inventory, task		cumulative, table constraint		OPL	steel mill, operating room, container terminal, nurse		real-world, generated instance		995	1525
abs-2402-00459 [469]	21	machine, due-date, earliness, job-shop, scheduling, order, job, multi-agent, tardiness, completion-time, resource, precedence, task	single machine	disjunctive, bin-packing, cumulative		OPL, OR-Tools		mining industry	instance generator, real-world, generated instance, github, benchmark		968	1498

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 [217]	Combining optimisation and simulation using logic-based Benders decomposition		real-life, github, benchmark	1							966	1314
PrataAN23 PrataAN23 [509]	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	-	benchmark, real-world, real-life	1	-		-	-	survey	-	967	1427
abs-2402-00459 abs-2402-00459 [469]	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	OR-Tools	instance generator, real-world, generated instance, github, benchmark	2	y		n	-	RCJS	cumulatives	968	1495
AbreuNP23 AbreuNP23 [168]	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	?	real-world, benchmark	10	?		?	?	?	?	969	1243
AbreuPNF23 AbreuPNF23 [3]	A constraint programming-based iterated greedy algorithm for the open shop with sequence-dependent processing times and makespan minimization		benchmark, real-life, real-world	0							970	1244
Adelgren2023 Adelgren2023 [7]	On the utility of production scheduling formulations including record keeping variables		benchmark, generated instance, github, real-life, supplementary material	12							971	1245
AfsarVPG23 AfsarVPG23 [8]	Mathematical models and benchmarking for the fuzzy job shop scheduling problem		benchmark, real-life, real-world, supplementary material	96							972	1246
AkramNHRSA23 AkramNHRSA23 [13]	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming	OR-Tools	benchmark	0	n		n	-	TSN	-	973	1248
AlfieriGPS23 AlfieriGPS23 [15]	Permutation flowshop problems minimizing core waiting time and core idle time		benchmark	0							974	1249
Caballero23 Caballero23 [127]	Scheduling through logic-based tools	SAT		1	-		-	PhD Thesis	RCPSP	-	975	1287
CzerniachowskaWZ23 CzerniachowskaWZ23 [159]	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations		benchmark, Roadef, real-world	0							976	1297
FahimiQ23 FahimiQ23 [207]	Overload-Checking and Edge-Finding for Robust Cumulative Scheduling			0							977	No
Fatemi-AnarakiTFV23 Fatemi-AnarakiTFV23 [212]	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches		real-world, github, random instance	2							978	1312
GhasemiMH23 GhasemiMH23 [242]	Operating room scheduling by emphasising human factors and dynamic decision-making styles: a constraint programming method			0							979	No
GuoZ23 GuoZ23 [269]	Capacity reservation for humanitarian relief: A logic-based Benders decomposition method with subgradient cut		supplementary material, github, benchmark, real-world	14							980	1325

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
GurPAE23 GurPAE23 [270]	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Cplex	real-life	0	n		n	-	-	-	981	1327
IsikYA23 IsikYA23 [321]	Constraint programming models for the hybrid flow shop scheduling problem and its extensions	OPL CP Opt	real-world, benchmark, generated instance, real-life benchmark	4	y		y	-	HFSP	alternative endBeforeStart noOverlap cumulative	982	1350
JuvinHL23a JuvinHL23a [331]	Logic-based Benders decomposition for the preemptive flexible job-shop scheduling problem			1							983	1355
LacknerMMWW23 LacknerMMWW23 [374]	Exact methods for the Oven Scheduling Problem	MiniZinc OPL	random instance, industrial partner, benchmark, instance generator, zenodo, real-life	0	DZN JSON		y	[373]	OSP	alternative noOverlap forbidExtent	984	1371
MontemanniD23 MontemanniD23 [447]	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	OR-Tools	benchmark, supplementary material	6	ref	y	n	-	PDSTSP	circuit	985	1398
MontemanniD23a MontemanniD23a [446]	Constraint programming models for the parallel drone scheduling vehicle routing problem	OR-Tools	benchmark	0	ref		n	-	PDSTSP	circuit multipleCircuit	986	1399
NaderiRR23 NaderiRR23 [460]	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook		github, benchmark	8							987	1403
NouriMHD23 NouriMHD23 [604]	Production scheduling in a reconfigurable manufacturing system benefiting from human-robot collaboration			0							988	No
PenzDN23 PenzDN23 [495]	Minimizing the sum of completion times on a single machine with health index and flexible maintenance operations			0							989	1422
ShaikhK23 ShaikhK23 [547]	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	?	benchmark, real-world	2	?		?	?	?	?	990	1443
YuraszekMCCR23 YuraszekMCCR23 [651]	A Constraint Programming Formulation of the Multi-Mode Resource-Constrained Project Scheduling Problem for the Flexible Job Shop Scheduling Problem	CP Opt	github, real-world, benchmark	0	ref		n	-	FJSSP	alternative endBeforeStart cumulative	991	1473
ZhuSZW23 ZhuSZW23 [666]	Constraint programming and logic-based Benders decomposition for the integrated process planning and scheduling problem		real-world, benchmark	0							992	1482
abs-2305-19888 abs-2305-19888 [296]	Constraint Programming and Constructive Heuristics for Parallel Machine Scheduling with Sequence-Dependent Setups and Common Servers	CP Opt Gurobi	real-world, generated instance, gitlab, benchmark	1	y	y	n	-	$P seq, ser C_{max}$	alternative noOverlap cumulative	993	1492
abs-2306-05747 abs-2306-05747 [577]	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	custom Choco	real-world, supplementary material, github, industrial instance, benchmark	0	ref		n	-	JSSP	noOverlap	994	1493
abs-2312-13682 abs-2312-13682 [497]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	995	1494

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
AbreuN22 AbreuN22 [167]	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	996	1242
BourreauGGLT22 BourreauGGLT22 [118]	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)		real-world, benchmark	2							997	1285
CampeauG22 CampeauG22 [128]	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	998	1288
ColT22 ColT22 [160]	Industrial-size job shop scheduling with constraint programming		generated instance, supplementary material, github, real-life, benchmark, real-world	4							999	1295
ElciOH22 ElciOH22 [195]	Stochastic Planning and Scheduling with Logic-Based Benders Decomposition		benchmark, random instance, real-life	0							1000	1302
EmdeZD22 EmdeZD22 [199]	Point-to-point and milk run delivery scheduling: models, complexity results, and algorithms based on Benders decomposition		github, random instance	7							1001	1303
EtminaniesfahaniGNMS22 EtminaniesfahaniGNMS22 [202]	A Forward-Backward Relax-and-Solve Algorithm for the Resource-Constrained Project Scheduling Problem		real-world	0							1002	1305
FarsiTM22 FarsiTM22 [211]	Integrated surgery scheduling by constraint programming and meta-heuristics		supplementary material	10							1003	1311
FetgoD22 FetgoD22 [214]	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited		benchmark, real-world	7							1004	1313
HeinzNVH22 HeinzNVH22 [295]	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers		real-world, generated instance, benchmark, gitlab	3							1005	1339
HillBCGN22 HillBCGN22 [301]	Optimization Strategies for Resource-Constrained Project Scheduling Problems in Underground Mining			0							1006	No
JuvinHL22 JuvinHL22 [329]	Logic-Based Benders Decomposition for the Preemptive Flexible Job-Shop Scheduling Problem		benchmark	0							1007	1354
MartnezAJ22 MartnezAJ22 [428]	Logic-Based Benders Decomposition for Integrated Process Configuration and Production Planning Problems			0							1008	No
MullerMKP22 MullerMKP22 [451]	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning		benchmark, random instance, real-world, github	3							1009	1400
NaderiBZ22 NaderiBZ22 [457]	Integrated Order Acceptance and Resource Decisions Under Uncertainty: Robust and Stochastic Approaches		benchmark, real-life	0							1010	1401
NaderiBZ22a NaderiBZ22a [456]	Type-2 integrated process-planning and scheduling problem: Reformulation and solution algorithms		benchmark	0							1011	1402

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
NaderiR22 NaderiR22 [458]	Critical-Path-Search Logic-Based Benders Decomposition Approaches for Flexible Job Shop Scheduling			0							1012	No
PohlAK22 PohlAK22 [502]	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach		benchmark, real-world	2							1013	1424
ShiYXQ22 ShiYXQ22 [549]	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach			0							1014	No
SubulanC22 SubulanC22 [565]	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem		real-life, benchmark, real-world	2							1015	1450
YunusogluY22 YunusogluY22 [648]	Constraint programming approach for multi-resource-constrained unrelated parallel machine scheduling problem with sequence-dependent setup times		real-world, benchmark, generated instance, real-life, supplementary material	10							1016	1472
YuraszeckMPV22 YuraszeckMPV22 [650]	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem		generated instance, github, benchmark, real-life	5							1017	1474
abs-2211-14492 abs-2211-14492 [566]	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling		benchmark, random instance, generated instance	1							1018	1491
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							1019	1240
AbreuAPNM21 AbreuAPNM21 [166]	A new variable neighbourhood search with a constraint programming search strategy for the open shop scheduling problem with operation repetitions		generated instance, benchmark, real-world	8							1020	1241
Bedhief21 Bedhief21 [74]	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines		real-life	0							1021	1269
CarlierSJP21 CarlierSJP21 [136]	A faster checker of the energetic reasoning for the cumulative scheduling problem			0							1022	No
FanXG21 FanXG21 [210]	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints		benchmark	0							1023	1310
HamPK21 HamPK21 [275]	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming		benchmark, github	4							1024	1333
HubnerGSV21 HubnerGSV21 [318]	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics		benchmark, real-life	4							1025	1349

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 [348]	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	1026	1360
NaderiRBAU21 NaderiRBAU21 [459]	Increased Surgical Capacity without Additional Resources: Generalized Operating Room Planning and Scheduling			0							1027	No
PandeyS21a PandeyS21a [489]	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization		benchmark	1							1028	1419
QinWSLS21 QinWSLS21 [511]	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint			0							1029	1429
VlkHT21 VlkHT21 [623]	Constraint programming approaches to joint routing and scheduling in time-sensitive networks		industrial partner, random instance, github, benchmark	0							1030	1465
ZhangYW21 ZhangYW21 [659]	A graph-based constraint programming approach for the integrated process planning and scheduling problem		benchmark	0							1031	1480
abs-2102-08778 abs-2102-08778 [155]	Large-Scale Benchmarks for the Job Shop Scheduling Problem		generated instance, benchmark, real-life, real-world	0							1032	1490
AlizdehS20 AlizdehS20 [16]	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming			0							1033	No
AntunesABD20 AntunesABD20 [20]	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting		real-world, industrial partner	1							1034	1250
AstrandJZ20 AstrandJZ20 [38]	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search		benchmark, real-world, real-life	0							1035	1253
BadicaBI20 BadicaBI20 [39]	Block structured scheduling using constraint logic programming		real-world, benchmark	5							1036	1254
BenediktMH20 BenediktMH20 [86]	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	CP Opt Gurobi	github, benchmark, random instance, generated instance	4	JSON		y				1037	1274
CauwelaertDS20 CauwelaertDS20 [142]	An Efficient Filtering Algorithm for the Unary Resource Constraint with Transition Times and Optional Activities		benchmark, real-life, bit-bucket, generated instance	2							1038	1290
FallahiAC20 FallahiAC20 [209]	Tabu search and constraint programming-based approach for a real scheduling and routing problem		github, real-life	0							1039	1309
GuoHLW20 GuoHLW20 [268]	Logic-based Benders decomposition for gantry crane scheduling with transferring position constraints in a rail-road container terminal			0							1040	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 [283]	Resource-constrained multi-project scheduling with activity and time flexibility		real-world, benchmark, supplementary material, industry partner	0							1041	1336
LunardiBLRV20 LunardiBLRV20 [413]	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem		benchmark, random instance, generated instance, github	1							1042	1385
MejiaY20 MejiaY20 [431]	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							1043	1390
MengZRZL20 MengZRZL20 [435]	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem		supplementary material, benchmark	0							1044	1393
MokhtarzadehTNF20 MokhtarzadehTNF20 [443]	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach		generated instance, real-world	12							1045	1397
Polo-MejiaALB20 Polo-MejiaALB20 [503]	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility		Roadef, github	2							1046	1425
QinDCS20 QinDCS20 [512]	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							1047	1428
RoshanaeiBAUB20 RoshanaeiBAUB20 [521]	Branch-and-check methods for multi-level operating room planning and scheduling		real-world, benchmark, generated instance	0							1048	1432
SacramentoSP20 SacramentoSP20 [526]	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							1049	1435
WallaceY20 WallaceY20 [627]	A new constraint programming model and solving for the cyclic hoist scheduling problem	MiniZinc	random instance, real-life, real-world, benchmark	2	DZN		y		CHSP		1050	1467
ZarandiASC20 ZarandiASC20 [654]	A state of the art review of intelligent scheduling		real-world, benchmark, real-life	0							1051	1475
ZouZ20 ZouZ20 [669]	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic		benchmark	3							1052	1483
ArkhipovBL19 ArkhipovBL19 [25]	An efficient pseudo-polynomial algorithm for finding a lower bound on the makespan for the Resource Constrained Project Scheduling Problem		benchmark	1							1053	1251
EdwardsBSE19 EdwardsBSE19 [193]	Symmetry breaking of identical projects in the high-multiplicity RCPSP/max			0							1054	No
EscobetPQPRA19 EscobetPQPRA19 [201]	Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach			1							1055	1304

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 [670]	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study		real-life	11							1056	1326
HoundjiSW19 HoundjiSW19 [316]	The item dependent stockingcost constraint		benchmark, random instance, bitbucket	2							1057	1348
NattafDYW19 NattafDYW19 [465]	Parallel machine scheduling with time constraints on machine qualifications		benchmark	0							1058	1407
NattafHKAL19 NattafHKAL19 [466]	Polyhedral results and valid inequalities for the continuous energy-constrained scheduling problem		real-life, benchmark	0							1059	1408
NishikawaSTT19 NishikawaSTT19 [472]	A Constraint Programming Approach to Scheduling of Malleable Tasks		real-world, benchmark	0							1060	1409
Novas19 Novas19 [474]	Production scheduling and lot streaming at flexible job-shops environments using constraint programming		benchmark	0							1061	1411
WariZ19 WariZ19 [631]	A Constraint Programming model for food processing industry: a case for an ice cream processing facility			0							1062	No
WikarekS19 WikarekS19 [634]	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems			0							1063	1469
YounespourAKE19 YounespourAKE19 [645]	Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy		real-life, real-world	6							1064	1471
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							1065	1486
abs-1902-01193 abs-1902-01193 [14]	Solving Nurse Scheduling Problem Using Constraint Programming Technique			0							1066	1487
abs-1902-09244 abs-1902-09244 [282]	On constraint programming for a new flexible project scheduling problem with resource constraints		benchmark, industry partner, real-world	0							1067	1488
abs-1911-04766 abs-1911-04766 [235]	Investigating Constraint Programming and Hybrid Methods for Real World Industrial Test Laboratory Scheduling		real-world, generated instance, industrial partner, github, benchmark, instance generator, real-life	10							1068	1489
BaptisteB18 BaptisteB18 [46]	Redundant cumulative constraints to compute preemptive bounds			1							1069	1258
BorghesiBLMB18 BorghesiBLMB18 [115]	Scheduling-based power capping in high performance computing systems		benchmark, real-life	3							1070	1284
CauwelaertLS18 CauwelaertLS18 [141]	How efficient is a global constraint in practice? - A fair experimental framework		bitbucket, benchmark	1							1071	1291
FahimiOQ18 FahimiOQ18 [206]	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	1072	1307
GedikKEK18 GedikKEK18 [233]	A constraint programming approach for solving unrelated parallel machine scheduling problem		benchmark	9							1073	1317
GokgurHO18 GokgurHO18 [249]	Parallel machine scheduling with tool loading: a constraint programming approach		real-life, real-world	9							1074	1319

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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 [251]	Optimal Torpedo Scheduling		instance generator, github, benchmark, generated instance	0							1075	1320
GombolayWS18 GombolayWS18 [253]	Fast Scheduling of Robot Teams Performing Tasks With Temporospacial Constraints		instance generator, real-world, benchmark	0							1076	1321
Ham18 Ham18 [273]	Integrated scheduling of m-truck, m-drone, and m-depot constrained by time-window, drop-pickup, and m-visit using constraint programming			7							1077	1330
Ham18a Ham18a [274]	Scheduling of Dual Resource Constrained Lithography Production: Using CP and MIP/CP		real-world	0							1078	1331
KreterSSZ18 KreterSSZ18 [364]	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems		benchmark	6							1079	1366
LaborieRSV18 LaborieRSV18 [372]	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	OP Opt	real-world, CSPLib, benchmark	3	-		-	-	-	-	1080	1370
PourDERB18 PourDERB18 [505]	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem		real-life, benchmark, real-world, generated instance	1							1081	1426
ShinBBHO18 ShinBBHO18 [550]	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling		github, real-world	4							1082	1444
TangLWSK18 TangLWSK18 [574]	Scheduling Optimization of Linear Schedule with Constraint Programming			0							1083	1452
TranPZLDB18 TranPZLDB18 [597]	Multi-stage resource-aware scheduling for data centers with heterogeneous servers		benchmark, generated instance	2							1084	1460
ZhangW18 ZhangW18 [660]	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							1085	1479
GomesM17 GomesM17 [255]	Improved Combinatorial Benders Decomposition for a Scheduling Problem with Unrelated Parallel Machines			1							1086	1322
HookerH17 HookerH17 [314]	Constraint programming and operations research		real-world, real-life	1							1087	1346
KreterSS17 KreterSS17 [363]	Using constraint programming for solving RCPSP/max-cal	MiniZinc Chuffed Cplex	benchmark	5	dead			[362]	RCPSP	cumulative cumulativeCalend	1088	1365
NattafAL17 NattafAL17 [463]	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Cplex	real-world	2	n		n	-	CECSP	-	1089	1405
RoshanaeiLAU17 RoshanaeiLAU17 [522]	Propagating logic-based Benders' decomposition approaches for distributed operating room scheduling		real-world	1							1090	1433
RoshanaeiLAU17a RoshanaeiLAU17a [523]	Collaborative Operating Room Planning and Scheduling			0							1091	No

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
TranVNB17 TranVNB17 [599]	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots		real-world	0							1092	1461
BlomPS16 BlomPS16 [100]	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods		industry partner, benchmark	0							1093	1280
Bonfietti16 Bonfietti16 [106]	A constraint programming scheduling solver for the MPOpt programming environment		benchmark	10							1094	1282
BridiBLMB16 BridiBLMB16 [120]	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines		real-world, real-life	0							1095	1286
CireCH16 CireCH16 [150]	Logic-based Benders decomposition for planning and scheduling: a computational analysis			1							1096	1293
DoulabiRP16 DoulabiRP16 [190]	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling		real-world, generated instance	3							1097	1301
HamC16 HamC16 [276]	Flexible job shop scheduling problem with parallel batch processing machines: MIP and CP approaches		benchmark	2							1098	1332
HebrardHJMPV16 HebrardHJMPV16 [286]	Approximation of the parallel machine scheduling problem with additional unit resources		industrial partner	0							1099	1337
KuB16 KuB16 [365]	Mixed Integer Programming models for job shop scheduling: A computational analysis		benchmark	4							1100	1367
NattafALR16 NattafALR16 [464]	Energetic reasoning and mixed-integer linear programming for scheduling with a continuous resource and linear efficiency functions		generated instance	1							1101	1406
NovaraNH16 NovaraNH16 [473]	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation		CSPLib, benchmark	5							1102	1410
TranAB16 TranAB16 [594]	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups		benchmark	0							1103	1459
ZarandiKS16 ZarandiKS16 [653]	A constraint programming model for the scheduling of JIT cross-docking systems with preemption		real-world	0							1104	1476
BajestaniB15 BajestaniB15 [43]	A two-stage coupled algorithm for an integrated maintenance planning and flowshop scheduling problem with deteriorating machines		real-world	0							1105	1256
EvenSH15a EvenSH15a [204]	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling		real-world, real-life	2							1106	1306
GoelSHFS15 GoelSHFS15 [248]	Constraint programming for LNG ship scheduling and inventory management			0							1107	1318
GrimesH15 GrimesH15 [258]	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search		real-world, benchmark	0							1108	1323
Kameugne15 Kameugne15 [334]	Propagation techniques of resource constraint for cumulative scheduling	-		2	-		-	PhDThesis	RCPSP		1109	1356
LetortCB15 LetortCB15 [385]	Synchronized sweep algorithms for scalable scheduling constraints	Choco SICStus	generated instance, Roadev, benchmark, random instance	4	dead		-	[384]	-	cumulative dimCumulative dimCumulativePr	1110	1373
NattafAL15 NattafAL15 [462]	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Cplex	generated instance	1	n		n		CSCSP		1111	1404

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SchnellH15 SchnellH15 [533]	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							1112	1440
Siala15 Siala15 [551]	Search, propagation, and learning in sequencing and scheduling problems	-	benchmark	2	-		-	PhD Thesis			1113	1445
SimoninAHL15 SimoninAHL15 [555]	Scheduling scientific experiments for comet exploration	MOST Ilog Scheduler		0	n		n	[554]		cumulative dataTransfer	1114	1446
WangMD15 WangMD15 [630]	Scheduling operating theatres: Mixed integer programming vs. constraint programming		real-life, real- world	2							1115	1468
BlomBPS14 BlomBPS14 [99]	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines		benchmark, in- dustry partner	0							1116	1279
BonfiettiLBM14 BonfiettiLBM14 [109]	CROSS cyclic resource-constrained scheduling solver		real-world, generated instance, indus- trial instance, benchmark	0							1117	1283
GrimesIOS14 GrimesIOS14 [260]	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling		real-world, real- life	9							1118	1324
HarjunkoskiMBC14 Har- junkoskiMBC14 [279]	Scope for industrial applications of production scheduling models and solution methods		real-world, real- life, benchmark	3							1119	1335
KameugneFSN14 KameugneFSN14 [338]	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Gecode	random in- stance, bench- mark	2	y			[337]	CuSP	cumulative	1120	1357
NovashH14 NovashH14 [477]	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming		benchmark	0							1121	1414
TerekhovTDB14 TerekhovTDB14 [581]	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems		real-world	0							1122	1454
ThiruvadyWGS14 ThiruvadyWGS14 [585]	A Lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows		benchmark	0							1123	1455
BajestaniB13 BajestaniB13 [42]	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources			0							1124	1255
BegB13 BegB13 [75]	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures		benchmark	0							1125	1270
HeinzSB13 HeinzSB13 [294]	Using dual presolving reductions to reformulate cumulative constraints	Cplex SCIP	benchmark	1	ref		-	-	RCPSP RCPSP/max	cumulative	1126	1340
LombardiMB13 LombardiMB13 [407]	Robust Scheduling of Task Graphs under Execution Time Uncertainty		real-world, benchmark	0							1127	1380
MenciaSV13 MenciaSV13 [434]	Intensified iterative deepening A* with application to job shop scheduling		real-life, supple- mentary materi- al, benchmark	0							1128	1392
OzturkTHO13 OzturkTHO13 [488]	Balancing and scheduling of flexible mixed model assembly lines	Ilog Solver Ilog Scheduler Cplex	real-world, real- life	2	y		-	-	SBSFMMAL	alddifferent disjunctive	1129	1418
SchuttFSW13 SchuttFSW13 [541]	Solving RCPSP/max by lazy clause generation		benchmark, supplementary material	6							1130	1442

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GuyonLPR12 GuyonLPR12 [271]	Solving an integrated job-shop problem with human resource constraints		generated instance, instance generator, benchmark	0							1131	1328
HeinzSSW12 HeinzSSW12 [292]	Solving steel mill slab design problems		real-world, CSPLib	2	Cplex		dead	-	SMSDP	-	1132	1341
LimtanyakulS12 LimtanyakulS12 [393]	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Cplex Ilog Scheduler	random instance, real-life, generated instance, industrial partner, benchmark	1	dead		-	-			1133	1376
LombardiM12 LombardiM12 [405]	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	-	real-world, benchmark	0	-		-	-	survey	-	1134	1378
LombardiM12a LombardiM12a [404]	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling		benchmark	1							1135	1379
MalapertCGJLR12 MalapertCGJLR12 [421]	An Optimal Constraint Programming Approach to the Open-Shop Problem		benchmark	3							1136	1386
MenciaSV12 MenciaSV12 [433]	Depth-first heuristic search for the job shop scheduling problem		real-life, benchmark	1							1137	1391
NovasH12 NovasH12 [476]	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations			0							1138	1413
TerekhovDOB12 TerekhovDOB12 [580]	Solving two-machine assembly scheduling problems with inventory constraints		real-life	2							1139	1453
ZarandiB12 ZarandiB12 [213]	Using Logic-Based Benders Decomposition to Solve the Capacity- and Distance-Constrained Plant Location Problem			0							1140	No
BandaSC11 BandaSC11 [170]	Solving Talent Scheduling with Dynamic Programming		random instance, benchmark, CSPLib	0							1141	1257
BartakS11 BartakS11 [57]	Constraint satisfaction for planning and scheduling problems	-	random instance, real-world, real-life	2	-		-		survey		1142	1261
BeckFW11 BeckFW11 [66]	Combining Constraint Programming and Local Search for Job-Shop Scheduling		real-world, benchmark	0							1143	1266
BeldiceanuCDP11 BeldiceanuCDP11 [80]	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles		benchmark	1							1144	1272
BeniniLMR11 BeniniLMR11 [90]	Optimal resource allocation and scheduling for the CELL BE platform		benchmark, real-world, instance generator	0							1145	1275
CobanH11 CobanH11 [153]	Single-facility scheduling by logic-based Benders decomposition		random instance	0							1146	1294
EdisO11a EdisO11a [192]	A combined integer/constraint programming approach to a resource-constrained parallel machine scheduling problem with machine eligibility restrictions			0							1147	No
HachemiGR11 HachemiGR11 [272]	A hybrid constraint programming approach to the log-truck scheduling problem			1							1148	1329
HeckmanB11 HeckmanB11 [289]	Understanding the behavior of Solution-Guided Search for job-shop scheduling		benchmark, real-world	0							1149	1338

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
KelbelH11 KelbelH11 [341]	Solving production scheduling with earliness/tardiness penalties by constraint programming		benchmark, random instance, generated instance	3							1150	1358
KovacsB11 KovacsB11 [356]	A global constraint for total weighted completion time for unary resources	Ilog Scheduler	benchmark	2	n		n	-		Completion	1151	1363
KovacsK11 KovacsK11 [358]	Constraint programming approach to a bilevel scheduling problem	Ilog Solver		2	n		n	-	Bilevel Opt		1152	1364
SchausHMCMD11 SchausHMCMD11 [531]	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Comet	benchmark, CSPLib, generated instance	3	dead				SMSDP		1153	1438
SchuttFSW11 SchuttFSW11 [540]	Explaining the cumulative propagator	MiniZinc	benchmark, real-world	7	PSPLib		-	-	RCPSP	cumulative	1154	1441
TopalogluO11 TopalogluO11 [590]	A constraint programming-based solution approach for medical resident scheduling problems		real-life	2							1155	1457
TrojetHL11 TrojetHL11 [602]	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework		real-world	2							1156	1462
BartakCS10 BartakCS10 [56]	Discovering implied constraints in precedence graphs with alternatives		benchmark, real-life, real-world	3							1157	1260
BartakSR10 BartakSR10 [58]	New trends in constraint satisfaction, planning, and scheduling: a survey		real-life, real-world	0							1158	1262
ChenGPSH10 ChenGPSH10 [146]	Technology and system of constraint programming for industry production scheduling — Part I: A brief survey and potential directions		real-life	0							1159	1292
LombardiM10a LombardiM10a [402]	Allocation and scheduling of Conditional Task Graphs		real-world, benchmark, real-life	3							1160	1377
LombardiMRB10 LombardiMRB10 [408]	Stochastic allocation and scheduling for conditional task graphs in multi-processor systems-on-chip		real-life, benchmark, real-world	15							1161	1381
LopesCSM10 LopesCSM10 [409]	A hybrid model for a multiproduct pipeline planning and scheduling problem	Ilog Solver	benchmark, real-world	2	-		-	[450, 449]			1162	1382
NovasH10 NovasH10 [475]	Reactive scheduling framework based on domain knowledge and constraint programming			0							1163	1412
ZeballosQH10 ZeballosQH10 [656]	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations		benchmark, real-world	4							1164	1478
abs-1009-0347 abs-1009-0347 [539]	Solving the Resource Constrained Project Scheduling Problem with Generalized Precedences by Lazy Clause Generation		benchmark, instance generator	0							1165	1485
BidotVLB09 BidotVLB09 [94]	A theoretic and practical framework for scheduling in a stochastic environment		real-world, real-life	0							1166	1277
BocewiczBB09 BocewiczBB09 [101]	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling			0							1167	1281
CarchraeB09 CarchraeB09 [131]	Principles for the Design of Large Neighborhood Search		benchmark, real-world	2							1168	1289
GarridoAO09 GarridoAO09 [227]	A constraint programming formulation for planning: from plan scheduling to plan generation		benchmark	8							1169	1315

Table 7: Manually Defined ARTICLE Properties

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Jans09 Jans09 [324]	Solving Lot-Sizing Problems on Parallel Identical Machines Using Symmetry-Breaking Constraints		benchmark	27							1170	1353
MilanoW09 MilanoW09 [441]	Integrating Operations Research in Constraint Programming		benchmark	7							1171	1396
OhrimenkoSC09 OhrimenkoSC09 [483]	Propagation via lazy clause generation		benchmark	8							1172	1417
RuggieroBBMA09 RuggieroBBMA09 [525]	Reducing the Abstraction and Optimality Gaps in the Allocation and Scheduling for Variable Voltage/Frequency MPSoC Platforms		instance generator, real-life	0							1173	1434
WuBB09 WuBB09 [643]	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints		real-world	0							1174	1470
abs-0907-0939 abs-0907-0939 [499]	The Soft Cumulative Constraint		real-world	0							1175	1484
GarridoOS08 GarridoOS08 [228]	Planning and scheduling in an e-learning environment. A constraint-programming-based approach		real-world	0							1176	1316
KovacsB08 KovacsB08 [355]	A global constraint for total weighted completion time for cumulative resources		benchmark	0							1177	1362
LiW08 LiW08 [386]	Scheduling projects with multi-skilled personnel by a hybrid MILP/CP benders decomposition algorithm		real-world	1							1178	1374
LiessM08 LiessM08 [388]	A constraint programming approach for the resource-constrained project scheduling problem		benchmark	0							1179	1375
MalikMB08 MalikMB08 [425]	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming		benchmark	0							1180	1387
MercierH08 MercierH08 [436]	Edge Finding for Cumulative Scheduling			0							1181	1394
Beck07 Beck07 [64]	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling		benchmark	0							1182	1263
BeckW07 BeckW07 [73]	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations		benchmark	0							1183	1268
CorreaLR07 CorreaLR07 [158]	Scheduling and routing of automated guided vehicles: A hybrid approach		real-world	0							1184	1296
Hooker07 Hooker07 [309]	Planning and Scheduling by Logic-Based Benders Decomposition		random instance, generated instance, real-life	0							1185	1345
Rodriguez07 Rodriguez07 [520]	A constraint programming model for real-time train scheduling at junctions			2							1186	1430
Simonis07 Simonis07 [559]	Models for Global Constraint Applications	CHIP		0	n		n			cumulative diffn cycle inverse cumulative	1187	1447
Hooker06 Hooker06 [308]	An Integrated Method for Planning and Scheduling to Minimize Tardiness	OPL Cplex Ilog Scheduler	random instance	2	n		n	[307]	CuSP		1188	1344
KhayatLR06 KhayatLR06 [343]	Integrated production and material handling scheduling using mathematical programming and constraint programming		real-life, benchmark	1							1189	1359
MilanoW06 MilanoW06 [440]	Integrating operations research in constraint programming		benchmark	0							1190	1395
SadykovW06 SadykovW06 [528]	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates		generated instance	1							1191	1436

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SureshMOK06 SureshMOK06 [568]	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach			0							1192	1451
DemasseyAM05 DemasseyAM05 [176]	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem		benchmark	2							1193	1299
Hooker05 Hooker05 [306]	A Hybrid Method for the Planning and Scheduling	OPL Cplex Ilog Scheduler	random instance	0	n		n	[305]	CuSP	cumulative	1194	1343
VilimBC05 VilimBC05 [620]	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities		benchmark, real-life	0	n		n	[619]	JSSP	disjunctive	1195	1464
ZeballosH05 ZeballosH05 [655]	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources			0							1196	1477
PoderBS04 PoderBS04 [501]	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption			0							1197	1423
BeckR03 BeckR03 [70]	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs		benchmark	0							1198	1267
HookerO03 HookerO03 [313]	Logic-based Benders decomposition		generated instance	0							1199	1347
KuchcinskiW03 KuchcinskiW03 [366]	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming		benchmark	0							1200	1368
Laborie03 Laborie03 [369]	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results		benchmark	0							1201	1369
Tsang03 Tsang03 [603]	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems		real-life	0							1202	1463
HarjunkoskiG02 HarjunkoskiG02 [278]	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods			0							1203	1334
LorigeonBB02 LorigeonBB02 [411]	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint			0							1204	1384
MilanoORT02 MilanoORT02 [439]	The Role of Integer Programming Techniques in Constraint Programming's Global Constraints			0							1205	No
RodriguezDG02 RodriguezDG02 [519]	Railway infrastructure saturation using constraint programming approach			0							1206	1431
Timpe02 Timpe02 [588]	Solving planning and scheduling problems with combined integer and constraint programming			0							1207	1456
JainG01 JainG01 [323]	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems			0							1208	1351
MartinPY01 MartinPY01 [427]	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application		real-life	0							1209	1388
Mason01 Mason01 [429]	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling			0							1210	1389
ArtiguesR00 ArtiguesR00 [33]	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes			0							1211	1252

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
BaptisteP00 BaptisteP00 [49]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	CLAIRE	benchmark	0	n		n		RCCSP	cumulative	1212	1259
BeckF00 BeckF00 [68]	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics		real-world, benchmark	0							1213	1264
HeipckeCCS00 HeipckeCCS00 [297]	Scheduling under Labour Resource Constraints	COME SchedEns	benchmark, instance generator	0	dead		n	-			1214	1342
KorbaaYG00 KorbaaYG00 [352]	Solving Transient Scheduling Problems with Constraint Programming			0							1215	1361
LopezAKYG00 LopezAKYG00 [410]	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina			0							1216	1383
SakkoutW00 SakkoutW00 [529]	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Cplex ECLiPSe	benchmark, real-world	0	n		n	-	KRFP		1217	1437
SchildW00 SchildW00 [532]	Scheduling of Time-Triggered Real-Time Systems	OZ		0	n		n	-		disjunctive	1218	1439
SimonisCK00 SimonisCK00 [560]	Constraint Handling in an Integrated Transportation Problem			0							1219	1448
SourdN00 SourdN00 [563]	Multiple-Machine Lower Bounds for Shop-Scheduling Problems		real-life, benchmark	1							1220	1449
TorresL00 TorresL00 [591]	On Not-First/Not-Last conditions in disjunctive scheduling		benchmark	0							1221	1458
BensanaLV99 BensanaLV99 [91]	Earth Observation Satellite Management	Ilog Solver	benchmark	0	?		-	-			1222	1276
JainM99 JainM99 [322]	Deterministic job-shop scheduling: Past, present and future		real-world, real-life, benchmark	0							1223	1352
BeckF98 BeckF98 [67]	A Generic Framework for Constraint-Directed Search and Scheduling		real-world, benchmark	0							1224	1265
BelhadjiI98 BelhadjiI98 [83]	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	-	real-life	0	n		n	-	TCSP JSSP		1225	1273
NuijtenP98 NuijtenP98 [479]	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler		real-life	0							1226	1416
PapaB98 PapaB98 [492]	Resource Constraints for Preemptive Job-shop Scheduling	Ilog Solver	benchmark	0	dead		-	-	PJSSP	disjunctive flow	1227	1420
Darby-DowmanLMZ97 Darby-DowmanLMZ97 [163]	Constraint Logic Programming and Integer Programming Approaches and Their Collaboration in Solving an Assignment Scheduling Problem	Cplex ECLiPSe	real-life, real-world, benchmark	0	n		n	-	MGAP		1228	1298
FalaschiGMP97 FalaschiGMP97 [208]	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators			0							1229	1308
LammaMM97 LammaMM97 [377]	A distributed constraint-based scheduler		real-life	0							1230	1372
Zhou97 Zhou97 [663]	A Permutation-Based Approach for Solving the Job-Shop Problem	-	benchmark	0	n		n	[662]	JSSP	sort alldifferent permutation	1231	1481
BlazewiczDP96 BlazewiczDP96 [125]	The job shop scheduling problem: Conventional and new solution techniques		benchmark	0							1232	1278
NuijtenA96 NuijtenA96 [480]	A computational study of constraint satisfaction for multiple capacitated job shop scheduling			0							1233	1415
Wallace96 Wallace96 [625]	Practical Applications of Constraint Programming	-		0	-		-	-	Survey	-	1234	1466
BeldiceanuC94 BeldiceanuC94 [78]	Introducing Global Constraints in CHIP		real-world, real-life, benchmark	0							1235	1271

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
Pape94 Pape94 [490]	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems			0							1236	1421
AggounB93 AggounB93 [9]	Extending CHIP in order to solve complex scheduling and placement problems		real-world	0							1237	1247
Tay92 Tay92 [578]	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling			0							1238	No
DincbasSH90 DincbasSH90 [184]	Solving Large Combinatorial Problems in Logic Programming		real-life	0							1239	1300

4 Authors

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
J. Christopher Beck	49	701	LuoB22 [416], ZhangBB22 [658], TangB20 [573], RoshanaeiBAUB20 [521], TranPZLDB18 [597], TranVNB17 [599], TranVNB17a [600], CohenHB17 [154], BoothNB16 [114], KuB16 [365], TranAB16 [594], TranWDRFOVB16 [601], LuoVLBM16 [415], TranDRFWOVB16 [596], BajestaniB15 [43], KoschB14 [353], TerekhovTDB14 [581], LouieVNB14 [412], HeinzSB13 [294], HeinzKB13 [291], BajestaniB13 [42], TranTDB13 [598], HeinzB12 [290], TerekhovDOB12 [580], TranB12 [595], ZarandiB12 [213], KovacsB11 [356], BeckFW11 [66], HeckmanB11 [289], BajestaniB11 [41], WuBB09 [643], BidotVLB09 [94], CarchraeB09 [131], WatsonB08 [632], KovacsB08 [355], BeckW07 [73], Beck07 [64], KovacsB07 [354], Beck06 [63], CarchraeBF05 [132], WuBB05 [642], BeckW05 [72], BeckW04 [71], BeckR03 [70], BeckPS03 [69], BeckF00 [68], Beck99 [62], BeckF98 [67], BeckDF97 [65]
Michela Milano	31	297	BorghesiBLMB18 [115], BonfiettiZLM16 [113], BridiBLMB16 [120], BridiLBBM16 [121], LombardiBM15 [399], BartoliniBBLM14 [60], BonfiettiLM14 [111], BonfiettiLBM14 [109], BonfiettiLM13 [110], LombardiM13 [406], LombardiMB13 [407], LombardiM12 [405], BonfiettiLBM12 [108], LombardiM12a [404], BonfiettiM12 [112], BonfiettiLBM11 [107], LombardiBMB11 [400], BeniniLMR11 [90], Milano11 [438], LombardiM10 [403], LombardiM10a [402], LombardiMRB10 [408], LombardiM09 [401], RuggieroBBMA09 [525], MilanoW09 [441], BeniniLMR08 [89], BeniniBGM06 [88], MilanoW06 [440], MilanoORT02 [439], LammaMM97 [377], BrusoniCLMMT96 [123]
Andreas Schutt	27	322	YangSS19 [644], KreterSSZ18 [364], GoldwaserS18 [251], MusliuSS18 [455], KreterSS17 [363], YoungFS17 [646], GoldwaserS17 [250], SchuttS16 [543], SzerdiS16 [570], KreterSS15 [362], EvenSH15 [203], EvenSH15a [204], SchuttFSW15 [542], ThiruvadyWGS14 [585], GuSSWC14 [266], SchuttFS13 [537], SchuttFS13a [536], GuSS13 [265], SchuttFSW13 [541], ChuGNSW13 [147], SchuttCSW12 [535], SchuttFSW11 [540], Schutt11 [534], SchuttW10 [544], abs-1009-0347 [539], SchuttFSW09 [538], SchuttWS05 [545]
Michele Lombardi	25	194	BorghesiBLMB18 [115], CauwelaertLS18 [141], BonfiettiZLM16 [113], BridiBLMB16 [120], BridiLBBM16 [121], LombardiBM15 [399], BartoliniBLM14 [60], BonfiettiLM14 [111], BonfiettiLBM14 [109], BonfiettiLM13 [110], LombardiM13 [406], LombardiMB13 [407], LombardiM12 [405], BonfiettiLBM12 [108], LombardiM12a [404], BonfiettiLBM11 [107], LombardiBMB11 [400], BeniniLMR11 [90], LombardiM10 [403], LombardiM10a [402], Lombardi10 [398], LombardiMRB10 [408], LombardiM09 [401], BeniniLMR08 [89], HoeveGSL07 [609]
Peter J. Stuckey	24	453	YangSS19 [644], DemirovicS18 [177], KreterSSZ18 [364], MusliuSS18 [455], KreterSS17 [363], SchuttS16 [543], BlomPS16 [100], KreterSS15 [362], BurtLPS15 [124], SchuttFSW15 [542], BlomBPS14 [99], LipovetzkyBPS14 [394], GuSSWC14 [266], SchuttFS13 [537], SchuttFS13a [536], GuSS13 [265], SchuttFSW13 [541], SchuttCSW12 [535], GuSW12 [267], SchuttFSW11 [540], BandaSC11 [170], abs-1009-0347 [539], SchuttFSW09 [538], OhrimenkoSC09 [483]
John N. Hooker	19	1316	ElciOH22 [195], Hooker19 [312], Hooker17 [311], HookerH17 [314], HechingH16 [288], CireCH16 [150], HarjunkoskiMBC14 [279], CireCH13 [149], CobanH11 [153], CobanH10 [152], Hooker10 [310], Hooker07 [309], Hooker06 [308], Hooker05 [306], Hooker05a [307], Hooker04 [305], HookerO03 [313], HookerY02 [315], Hooker00 [304]
Emmanuel Hebrard	17	71	JuvinHHL23 [328], HebrardALLCMR22 [285], AntuoriHHEN21 [22], ArtiguesHQT21 [32], GodetLHS20 [247], AntuoriHHEN20 [21], HebrardHJMPV16 [286], SimoninAHL15 [555], SialaAH15 [553], GrimesH15 [258], BessiereHMQW14 [93], SimoninAHL12 [554], BillautHL12 [95], GrimesH11 [257], GrimesH10 [256], GrimesHM09 [259], HebrardTW05 [287]
Pierre Lopez	17	90	JuvinHHL23 [328], JuvinHL23a [331], JuvinHL23 [330], HebrardALLCMR22 [285], JuvinHL22 [329], Polo-MejiaALB20 [503], NattafHKAL19 [466], NattafAL17 [463], NattafALR16 [464], SimoninAHL15 [555], NattafAL15 [462], SimoninAHL12 [554], BillautHL12 [95], LahimerLH11 [375], TrojetHL11 [602], LopezAKYG00 [410], TorresL00 [591]
Christian Artigues	16	203	PovedaAA23 [506], PohlAK22 [502], HebrardALLCMR22 [285], ArtiguesHQT21 [32], Polo-MejiaALB20 [503], NattafHKAL19 [466], NattafAL17 [463], NattafALR16 [464], SimoninAHL15 [555], NattafAL15 [462], SialaAH15 [553], SimoninAHL12 [554], NeronABCDD06 [481], DemasseyAM05 [176], ArtiguesBF04 [30], ArtiguesR00 [33]
Pierre Schaus	15	79	CauwelaertDS20 [142], ThomasKS20 [586], HoundjiSW19 [316], CappartTSR18 [130], CauwelaertLS18 [141], CappartS17 [129], CauwelaertDMS16 [140], DejemeppeCS15 [173], GayHLS15 [229], GayHS15 [230], GayHS15a [231], HoundjiSWD14 [317], GaySS14 [232], SchausHMCMD11 [531], SchausD08 [530]
Helmut Simonis	15	154	ArmstrongGOS22 [27], ArmstrongGOS21 [26], AntunesABD20 [20], AntunesABD18 [19], HurleyOS16 [319], GrimesIOS14 [260], IfrimOS12 [320], SimonisH11 [562], Simonis07 [559], SimonisCK00 [560], Simonis99 [558], SimonisC95 [561], Simonis95 [557], Simonis95a [556], DincbasSH90 [184]
Nicolas Beldiceanu	13	274	Madi-WambaLOBM17 [418], Madi-WambaB16 [417], LetortCB15 [385], LetortCB13 [384], LetortBC12 [383], ClercqPBJ11 [151], BeldiceanuCDP11 [80], BeldiceanuCP08 [81], PoderB08 [500], BeldiceanuP07 [82], PoderBS04 [501], BeldiceanuC02 [79], AggounB93 [9]
Luca Benini	13	146	BorghesiBLMB18 [115], BridiBLMB16 [120], BridiLBBM16 [121], BonfiettiLBM14 [109], LombardiMB13 [407], BonfiettiLBM12 [108], BonfiettiLBM11 [107], LombardiBMB11 [400], BeniniLMR11 [90], LombardiMRB10 [408], RuggieroBBMA09 [525], BeniniLMR08 [89], BeniniBGM06 [88]
Philippe Laborie	12	513	LunardiBLRV20 [413], LaborieRSV18 [372], Laborie18a [371], MelgarejoLS15 [11], VilimLS15 [621], Laborie09 [370], BidotVLB09 [94], BaptisteLPN06 [47], NeronABCDD06 [481], GodardLN05 [245], Laborie03 [369], FocacciLN00 [215]
Philippe Baptiste	11	403	BaptisteB18 [46], Baptiste09 [45], BaptisteLPN06 [47], NeronABCDD06 [481], ArtiouchineB05 [34], Baptiste02 [44], BaptistePN01 [50], BaptisteP00 [49], PapaB98 [492], BaptisteP97 [48], PapeB97 [491]
Roman Barták	11	88	SvancaraB22 [569], JelinekB16 [325], BartakV15 [59], Bartak14 [55], BartakS11 [57], BartakCS10 [56], BartakSR10 [58], VilimBC05 [620], VilimBC04 [619], Bartak02 [54], Bartak02a [53]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Petr Vilím	11	313	LaborieRSV18 [372], VilimLS15 [621], Vilim11 [618], Vilim09 [616], Vilim09a [617], VilimBC05 [620], Vilim05 [615], VilimBC04 [619], Vilim04 [614], Vilim03 [613], Vilim02 [612]
Mark Wallace	11	296	WallaceY20 [627], HeOGLW18 [284], ThiruvadyWGS14 [585], SchuttFSW09 [538], MilanoW09 [441], MilanoW06 [440], Wallace06 [626], SakkoutW00 [529], RodosekW98 [518], Wallace96 [625], Wallace94 [624]
Alessio Bonfietti	10	17	BonfiettiZLM16 [113], Bonfietti16 [106], LombardiBM15 [399], BonfiettiLM14 [111], BonfiettiLBM14 [109], BonfiettiLM13 [110], BonfiettiLBM12 [108], BonfiettiM12 [112], BonfiettiLBM11 [107], LombardiBMB11 [400]
Pascal Van Hentenryck	10	164	FontaineMH16 [216], EvenSH15 [203], EvenSH15a [204], SchausHMCMD11 [531], MonetteDH09 [445], DomsH08 [186], HentenryckM08 [299], MercierH08 [436], HentenryckM04 [298], DincbasSH90 [184]
Claude Le Pape	9	536	BaptisteLPN06 [47], DannaP04 [161], BaptistePN01 [50], BaptisteP00 [49], PapaB98 [492], NuijtenP98 [479], BaptisteP97 [48], PapeB97 [491], Pape94 [490]
Nysret Musliu	9	14	LacknerMMWW23 [374], WinterMMW22 [635], LacknerMMWW21 [373], GeibingerKKMMW21 [234], GeibingerMM21 [237], GeibingerMM19 [236], abs-1911-04766 [235], MusliuSS18 [455], KletzanderM17 [347]
Margaux Nattaf	9	49	PenzDN23 [495], NattafM20 [467], MalapertN19 [423], NattafDYW19 [465], NattafHKAL19 [466], NattafAL17 [463], Nattaf16 [461], NattafALR16 [464], NattafAL15 [462]
Claude-Guy Quimper	9	25	BoudreaultSLQ22 [117], OuelletQ22 [486], Mercier-AubinGQ20 [437], FahimiOQ18 [206], KameugneFGOQ18 [335], OuelletQ18 [485], GingrasQ16 [244], BessiereHMQW14 [93], OuelletQ13 [484]
Tony T. Tran	9	108	TranPZLDB18 [597], TranVNB17 [599], TranVNB17a [600], TranAB16 [594], TranWDRFOVB16 [601], TranDRFWOVB16 [596], TerekhovTDB14 [581], TranTDB13 [598], TranB12 [595]
Mats Carlsson	8	80	WessenCS20 [633], MossigeGSMC17 [448], LetortCB15 [385], LetortCB13 [384], LetortBC12 [383], BeldiceanuCDP11 [80], BeldiceanuCP08 [81], BeldiceanuC02 [79]
Thibaut Feydy	8	173	YoungFS17 [646], SchuttFSW15 [542], SchuttFS13 [537], SchuttFS13a [536], SchuttFSW13 [541], SchuttFSW11 [540], abs-1009-0347 [539], SchuttFSW09 [538]
Mark G. Wallace	8	135	SchuttFSW15 [542], GuSSWC14 [266], SchuttFSW13 [541], SchuttCSW12 [535], GuSW12 [267], SchuttFSW11 [540], abs-1009-0347 [539], AjiliW04 [12]
Louis-Martin Rousseau	8	126	CappartTSR18 [130], DoulabiRP16 [190], PesantRR15 [498], DoulabiRP14 [189], MalapertCGJLR13 [422], MalapertCGJLR12 [421], ChapadosJR11 [145], HachemiGR11 [272]
Armin Wolf	8	46	GeitzGSSW22 [238], Wolf11 [638], SchuttW10 [544], Wolf09 [640], WolfS05 [639], SchuttWS05 [545], Wolf05 [637], Wolf03 [636]
Diarmuid Grimes	7	52	AntunesABD20 [20], AntunesABD18 [19], GrimesH15 [258], GrimesIOS14 [260], GrimesH11 [257], GrimesH10 [256], GrimesHM09 [259]
Zdenek Hanzálek	7	27	Mehdizadeh-Somarin23 [430], abs-2305-19888 [296], HeinzNVH22 [295], VlKHT21 [623], BenediktMH20 [86], BenediktSMVH18 [87], KelbelH11 [341]
Roger Kameugne	7	14	KameugneFND23 [336], ThomasKS20 [586], KameugneFGOQ18 [335], Kameugne15 [334], KameugneFSN14 [338], Kameugne14 [333], KameugneFSN11 [337]
András Kovács	7	21	KovacsB11 [356], KovacsK11 [358], KovacsB08 [355], KovacsB07 [354], KovacsV06 [360], KovacsEKV05 [357], KovacsV04 [359]
Barry O’Sullivan	7	14	ArmstrongGOS22 [27], ArmstrongGOS21 [26], AntunesABD20 [20], AntunesABD18 [19], HurleyOS16 [319], GrimesIOS14 [260], IfrimOS12 [320]
Gabriela P. Henning	7	153	NovaraNH16 [473], NovasH14 [477], NovasH12 [476], NovasH10 [475], ZeballosQH10 [656], ZeballosH05 [655], QuirogaZH05 [514]
Yves Deville	6	19	HoundjiSWD14 [317], DejemeppeD14 [174], SchausHMCMD11 [531], MonetteDH09 [445], SchausD08 [530], MonetteDD07 [444]
Stefan Heinz	6	67	HeinzSB13 [294], HeinzKB13 [291], HeinzSSW12 [292], HeinzB12 [290], HeinzS11 [293], BertholdHMLS10 [92]
Arnaud Malapert	6	39	NattafM20 [467], MalapertN19 [423], MalapertCGJLR13 [422], MalapertCGJLR12 [421], Malapert11 [420], GrimesHM09 [259]
Wim Nuijten	6	375	BaptisteLPN06 [47], GodardLN05 [245], BaptistePN01 [50], SourdN00 [563], FocacciLN00 [215], NuijtenP98 [479]
Erwin Pesch	6	417	MullerMKP22 [451], BlazewiczEP19 [97], DomdorffPH03 [185], DorndorffPH99 [188], DorndorffPH99 [187], BlazewiczDP96 [125]
Emmanuel Poder	6	27	BeldiceanuCDP11 [80], abs-0907-0939 [499], BeldiceanuCP08 [81], PoderB08 [500], BeldiceanuP07 [82], PoderBS04 [501]
Vahid Roshanaei	6	168	NaderiRR23 [460], NaderiR22 [458], NaderiRBAU21 [459], RoshanaeiBAUB20 [521], RoshanaeiLAU17 [522], RoshanaeiLAU17a [523]
Cyrille Dejemeppe	5	8	CauwelaertDS20 [142], CauwelaertDMS16 [140], Dejemeppe16 [172], DejemeppeCS15 [173], DejemeppeD14 [174]
Sophie Demasse	5	82	HermenierDL11 [300], BeldiceanuCDP11 [80], NeronABCDD06 [481], DemasseAM05 [176], Demasse03 [175]
Ignacio E. Grossmann	5	844	HarjunkskiMBC14 [279], CastroGR10 [138], MaraveliasG04 [426], HarjunkskiG02 [278], JainG01 [323]
Hanyu Gu	5	39	EtmianysfahaniGNMS22 [202], ThiruvadyWGS14 [585], GuSSWC14 [266], GuSS13 [265], GuSW12 [267]
Narendra Jussien	5	36	MalapertCGJLR13 [422], MalapertCGJLR12 [421], ClercqPBJ11 [151], ElkhyariGJ02 [197], ElkhyariGJ02a [198]
Juan M. Novas	5	148	Novas19 [474], NovaraNH16 [473], NovasH14 [477], NovasH12 [476], NovasH10 [475]
Kenneth N. Brown	5	44	AntunesABD20 [20], AntunesABD18 [19], MurphyMB15 [453], WuBB09 [643], WuBB05 [642]
Bahman Naderi	5	32	NaderiRR23 [460], NaderiBZ22 [457], NaderiBZ22a [456], NaderiR22 [458], NaderiRBAU21 [459]
Mohamed Siala	5	9	AntunesABD20 [20], AntunesABD18 [19], Siala15 [551], SialaAH15 [553], Siala15a [552]
Marek VlK	5	14	abs-2305-19888 [296], HeinzNVH22 [295], VlKHT21 [623], BenediktSMVH18 [87], BartakV15 [59]
Nic Wilson	5	28	AntunesABD20 [20], AntunesABD18 [19], BeckW07 [73], BeckW05 [72], BeckW04 [71]
André A. Ciré	4	50	CireCH13 [149], LopesCSM10 [409], MouraSCL08 [450], MouraSCL08a [449]
Andrea Bartolini	4	40	BorghesiBLMB18 [115], BridiBLMB16 [120], BridiLBBM16 [121], BartoliniBBLM14 [60]
Geoffrey Chu	4	47	GuSSWC14 [266], ChuGNSW13 [147], SchuttCSW12 [535], BandaSC11 [170]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Elvin Coban	4	41	CireCH16 [150], CireCH13 [149], CobanH11 [153], CobanH10 [152]
Steven Gay	4	42	GayHLS15 [229], GayHS15 [230], GayHS15a [231], GaySS14 [232]
Tobias Geibinger	4	6	GeibingerKKMMW21 [234], GeibingerMM21 [237], GeibingerMM19 [236], abs-1911-04766 [235]
Christelle Gu��ret	4	33	MalapertCGJLR13 [422], MalapertCGJLR12 [421], ElkhyariGJ02 [197], ElkhyariGJ02a [198]
Laurent Houssin	4	0	JuvinHHL23 [328], JuvinHL23a [331], JuvinHL23 [330], JuvinHL22 [329]
Carla Juvin	4	0	JuvinHHL23 [328], JuvinHL23a [331], JuvinHL23 [330], JuvinHL22 [329]
Tam��s Kis	4	11	NattafHKAL19 [466], KovacsK11 [358], KeriK07 [342], KovacsEKV05 [357]
Arnaud Letort	4	23	LetortCB15 [385], LetortCB13 [384], Letort13 [382], LetortBC12 [383]
Dionne M. Aleman	4	161	NaderiRBAU21 [459], RoshanaeiBAUB20 [521], RoshanaeiLAU17 [522], RoshanaeiLAU17a [523]
Laurent Michel	4	39	TardivoDFMP23 [575], SchausHMCMD11 [531], HentenryckM08 [299], HentenryckM04 [298]
Florian Mischek	4	6	GeibingerKKMMW21 [234], GeibingerMM21 [237], GeibingerMM19 [236], abs-1911-04766 [235]
Jean-No��l Monette	4	15	CauwelaertDMS16 [140], SchausHMCMD11 [531], MonetteDH09 [445], MonetteDD07 [444]
Goldie Nejat	4	50	TranVNB17 [599], TranVNB17a [600], BoothNB16 [114], LouieVNB14 [412]
Yanick Ouellet	4	10	OuelletQ22 [486], FahimiOQ18 [206], KameugneFGOQ18 [335], OuelletQ18 [485]
Gilles Pesant	4	60	AalianPG23 [1], DoulabiRP16 [190], PesantRR15 [498], DoulabiRP14 [189]
Thierry Petit	4	20	DerrienP14 [179], DerrienPZ14 [180], ClercqPB11 [151], abs-0907-0939 [499]
C��dric Pralet	4	10	SquillaciPR23 [564], Pralet17 [507], HebrardHJMPV16 [286], PraletLJ15 [508]
Adrian R. Pearce	4	35	BlomPS16 [100], BurtLPS15 [124], BlomBPS14 [99], LipovetzkyBPS14 [394]
Dhananjay R. Thiruvady	4	32	abs-2402-00459 [469], abs-2211-14492 [566], ThiruvadyWGS14 [585], ThiruvadyBME09 [584]
Martino Ruggiero	4	58	BeniniLMR11 [90], LombardiMRB10 [408], RuggieroBBMA09 [525], BeniniLMR08 [89]
Christine Solnon	4	20	GroleazNS20 [263], GroleazNS20a [262], SacramentoSP20 [526], MelgarejoLS15 [11]
Daria Terekhov	4	21	TanT18 [572], TerekhovTDB14 [581], TranTDB13 [598], TerekhovDOB12 [580]
J��zsef V��ncza	4	9	KovacsV06 [360], KovacsEKV05 [357], KovacsV04 [359], VanczaM01 [610]
Toby Walsh	4	2	GelainPRVW17 [239], BessiereHMQW14 [93], ChuGNSW13 [147], HebrardTW05 [287]
Felix Winter	4	0	LacknerMMWW23 [374], WinterMMW22 [635], LacknerMMWW21 [373], GeibingerKKMMW21 [234]
Francisco Yuraszeck	4	31	YuraszeckMCCR23 [651], YuraszeckMC23 [649], YuraszeckMPV22 [650], MejiaY20 [431]
Willem-Jan van Hove	4	50	GilesH16 [243], GoelSHFS15 [248], HoeveGSL07 [609], GomesHS06 [254]
Max ��strand	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 [316], HoundjiSWD14 [317], SadykovW06 [528]
Bruno A. Prata	3	1	PrataAN23 [509], AbreuNP23 [168], AbreuPNF23 [3]
Mehmet A. Begen	3	25	NaderiBZ22 [457], NaderiBZ22a [456], NaderiRBAU21 [459]
Maliheh Aramon Bajestani	3	31	BajestaniB15 [43], BajestaniB13 [42], BajestaniB11 [41]
S��verine Betmbe Fetgo	3	1	KameugneFND23 [336], FetgoD22 [214], KameugneFGOQ18 [335]
Miquel Bofill	3	11	BofillCSV17 [103], BofillGSV15 [105], BofillEGPSV14 [104]
Thomas Bridi	3	29	BridiBLMB16 [120], BridiLBBM16 [121], BartoliniBBLM14 [60]
Cid C. de Souza	3	21	MouraSCL08 [450], MouraSCL08a [449], HeipckeCCS00 [297]
Hadrien Cambazard	3	23	CatusseCBL16 [139], MalapertCGJLR13 [422], MalapertCGJLR12 [421]
Quentin Cappart	3	8	PopovicCGNC22 [504], CappartTSR18 [130], CappartS17 [129]
Ondrej Cepek	3	36	BartakCS10 [56], VilimBC05 [620], VilimBC04 [619]
Amedeo Cesta	3	15	CestaOPS14 [143], OddiPCC03 [482], CestaOS98 [144]
Giacomo Da Col	3	14	ColT22 [160], abs-2102-08778 [155], ColT19 [156]
Alban Derrien	3	17	Derrien15 [178], DerrienP14 [179], DerrienPZ14 [180]
Abdallah Elkhyari	3	10	Elkhyari03 [196], ElkhyariGJ02 [197], ElkhyariGJ02a [198]
Hamed Fahimi	3	2	FahimiQ23 [207], FahimiOQ18 [206], Fahimi16 [205]
Jeremy Frank	3	7	TranWDRFOVB16 [601], TranDRFWOVB16 [596], FrankK05 [219]
Douglas G. Down	3	20	TranPZLDB18 [597], TerekhovTDB14 [581], TranTDB13 [598]
Maurizio Gabbrielli	3	12	LiuCGM17 [396], AmadiniGM16 [17], FalaschiGMP97 [208]
Michele Garraffa	3	1	AlferiGPS23 [15], ArmstrongGOS22 [27], ArmstrongGOS21 [26]
Martin Gebser	3	0	TasselGS23 [576], abs-2306-05747 [577], KovacsTKSG21 [361]
Jean-Claude Gentina	3	8	KorbaaYG00 [352], LopezAKYG00 [410], KorbaaYG99 [351]
Lucas Groleaz	3	4	Groleaz21 [261], GroleazNS20 [263], GroleazNS20a [262]
Andy Ham	3	20	HamPK21 [275], Ham18 [273], Ham18a [274]
Renaud Hartert	3	35	GayHLS15 [229], GayHS15 [230], GayHS15a [231]
Brahim Hnich	3	68	GokgurHO18 [249], OzturkTHO13 [488], RossiTHP07 [524]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Marie-José Huguet	3	12	AntuoriHHEN21 [22], AntuoriHHEN20 [21], HebrardHJMPV16 [286]
Andrew J. Davenport	3	13	Davenport10 [164], DavenportKRSH07 [165], BeckDF97 [65]
Mikael Johansson	3	27	AstrandOF21 [36], AstrandJZ20 [38], AstrandJZ18 [37]
Ouajdi Korbbaa	3	8	KorbbaaYG00 [352], LopezAKYG00 [410], KorbbaaYG99 [351]
Stefan Kreter	3	47	KreterSSZ18 [364], KreterSS17 [363], KreterSS15 [362]
Krzysztof Kuchcinski	3	24	WolinskiKG04 [641], KuchcinskiW03 [366], GruianK98 [264]
André Langevin	3	107	MalapertCGJLR13 [422], MalapertCGJLR12 [421], KhayatLR06 [343]
Philippe Michelon	3	68	Acuna-AgostMFG09 [5], LiessM08 [388], DemasseyAM05 [176]
Tony Minoru Tamura Lopes	3	47	LopesCSM10 [409], MouraSCL08 [450], MouraSCL08a [449]
Christina N. Burt	3	15	BurtLPS15 [124], BlomBPS14 [99], LipovetzkyBPS14 [394]
Hiroki Nishikawa	3	3	NishikawaSTT19 [472], NishikawaSTT18 [470], NishikawaSTT18a [471]
Angelo Oddi	3	15	CestaOPS14 [143], OddiPCC03 [482], CestaOS98 [144]
David R. Urbach	3	100	NaderiRBAU21 [459], RoshanaeiBAUB20 [521], RoshanaeiLAU17a [523]
Philippe Refalo	3	60	GarganiR07 [226], BeckR03 [70], MilanoORT02 [439]
Levi Ribeiro de Abreu	3	11	AbreuNP23 [168], AbreuN22 [167], AbreuAPNM21 [166]
Mark S. Fox	3	27	BeckF00 [68], BeckF98 [67], BeckDF97 [65]
Gunnar Schrader	3	13	Wolf09 [640], WolfS05 [639], SchuttWS05 [545]
Jens Schulz	3	40	HeinzSB13 [294], HeinzS11 [293], BertholdHLSM10 [92]
Marcelo Seido Nagano	3	11	AbreuNP23 [168], AbreuN22 [167], AbreuAPNM21 [166]
Kana Shimada	3	3	NishikawaSTT19 [472], NishikawaSTT18 [470], NishikawaSTT18a [471]
Gilles Simonin	3	8	GodetLHS20 [247], SimoninAHL15 [555], SimoninAHL12 [554]
Tiago Stegun Vaquero	3	29	TranVNB17 [599], TranVNB17a [600], LouieVNB14 [412]
Josep Suy	3	11	BofillCSV17 [103], BofillGSV15 [105], BofillEGPSV14 [104]
Christos T. Maravelias	3	396	Adelgren2023 [7], HarjunkoskiMBC14 [279], MaraveliasG04 [426]
Andreas T. Ernst	3	16	abs-2211-14492 [566], EdwardsBSE19 [193], ThiruvadyBME09 [584]
Ittetsu Taniguchi	3	3	NishikawaSTT19 [472], NishikawaSTT18 [470], NishikawaSTT18a [471]
Pierre Tassel	3	0	TasselGS23 [576], abs-2306-05747 [577], KovacsTKSG21 [361]
Reza Tavakkoli-Moghaddam	3	9	Fatemi-AnarakiTFV23 [212], NouriMHD23 [604], GhasemiMH23 [242]
Hiroyuki Tomiyama	3	3	NishikawaSTT19 [472], NishikawaSTT18 [470], NishikawaSTT18a [471]
Seyda Topaloglu Yildiz	3	20	IsikYA23 [321], YunusogluY22 [648], KucukY19 [368]
Sascha Van Cauwelaert	3	8	CauwelaertLS18 [141], CauwelaertDMS16 [140], DejemeppeCS15 [173]
G�rard Verfaillie	3	119	HebrardHJMPV16 [286], VerfaillieL01 [611], BensanaLV99 [91]
Arnaldo Vieira Moura	3	47	LopesCSM10 [409], MouraSCL08 [450], MouraSCL08a [449]
Mateu Villaret	3	11	BofillCSV17 [103], BofillGSV15 [105], BofillEGPSV14 [104]
Daniel Walkiewicz	3	0	LacknerMMWW23 [374], WinterMMW22 [635], LacknerMMWW21 [373]
Pascal Yim	3	8	KorbbaaYG00 [352], LopezAKYG00 [410], KorbbaaYG99 [351]
Alessandro Zanarini	3	25	AstrandJZ20 [38], AstrandJZ18 [37], BonfiettiZLM16 [113]
Luis Zaballos	3	35	ZaballosQH10 [656], ZaballosH05 [655], QuirogaZH05 [514]
Viktoria A. Hauder	2	14	HauderBRPA20 [283], abs-1902-09244 [282]
Daniel A. Desmond	2	1	AntunesABD20 [20], AntunesABD18 [19]
Michael Affenzeller	2	14	HauderBRPA20 [283], abs-1902-09244 [282]
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]
Emrah B. Edis	2	48	EdisO11 [191], EdisO11a [192]
Amelia Badica	2	4	BadicaBI20 [39], BadicaBIL19 [40]
Costin Badica	2	4	BadicaBI20 [39], BadicaBIL19 [40]
Pierre Baptiste	2	13	BoucherBVBL97 [116], BaptisteLV92 [51]
Nicolas Barnier	2	0	WangB23 [629], WangB20 [628]
Andreas Beham	2	14	HauderBRPA20 [283], abs-1902-09244 [282]
Ondrej Benedikt	2	3	BenediktMH20 [86], BenediktSMVH18 [87]
Davide Bertozzi	2	27	RuggieroBBMA09 [525], BeniniBGM06 [88]
Jean-Charles Billaut	2	23	BillautHL12 [95], LorigeonBB02 [411]

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Author	Nr Works	Nr Cites	Entries
Andrea Borghesi	2	23	BorghesiBLMB18 [115], BartoliniBBLM14 [60]
Dario Canut-de-Bon	2	1	YuraszeckMCCR23 [651], YuraszeckMC23 [649]
Tom Carchrae	2	16	CarchraeB09 [131], CarchraeBF05 [132]
Jacques Carlier	2	6	CarlierSJP21 [136], NeronABCDD06 [481]
Erich Christian Teppan	2	11	Teppan22 [579], ColT19 [156]
Jordi Coll Caballero	2	0	Caballero23 [127], Caballero19 [126]
Yves Colombani	2	9	HeipckeCCS00 [297], Colombani96 [157]
Joseph D. Scott	2	13	KameugneFSN14 [338], KameugneFSN11 [337]
Emilie Danna	2	23	DannaP04 [161], DannaP03 [162]
Stéphane Dauzère-Pérès	2	14	PenzDN23 [495], NattafDYW19 [465]
Mauro Dell’Amico	2	2	MontemanniD23 [447], MontemanniD23a [446]
Minh Do	2	3	TranWDRFOVB16 [601], TranDRFWOVB16 [596]
Ulrich Dorndorf	2	18	DorndorfPH99 [188], DorndorfHP99 [187]
Hani El Sakkout	2	82	KamarainenS02 [332], SakkoutW00 [529]
Sebastian Engell	2	384	KlankeBYE21 [346], HarjunkoskiMBC14 [279]
Tamer Eren	2	1	GurPAE23 [270], GurEA19 [670]
Guillaume Escamocher	2	1	AntunesABD20 [20], AntunesABD18 [19]
Siham Essodaigui	2	3	AntuoriHHEN21 [22], AntuoriHHEN20 [21]
Caroline Even	2	3	EvenSH15 [203], EvenSH15a [204]
Stephen F. Smith	2	7	CestaOPS14 [143], CestaOS98 [144]
Minhaz F. Zibran	2	43	ZibranR11 [667], ZibranR11a [668]
Azadeh Farsi	2	25	FarsiTM22 [211], MokhtarzadehTNF20 [443]
Dominique Feillet	2	19	Acuna-AgostMFG09 [5], ArtiguesBF04 [30]
Michel Gamache	2	0	AalianPG23 [1], CampeauG22 [128]
Marc Garcia	2	10	BofillGSV15 [105], BofillEGPSV14 [104]
Antonio Garrido	2	27	GarridoAO09 [227], GarridoOS08 [228]
Anne-Marie George	2	1	AntunesABD20 [20], AntunesABD18 [19]
Eleanor Gilbert Rieffel	2	3	TranWDRFOVB16 [601], TranDRFWOVB16 [596]
Vincent Gingras	2	1	KameugneFGOQ18 [335], GingrasQ16 [244]
Arthur Godet	2	1	Godet21a [246], GodetLHS20 [247]
Adrian Goldwaser	2	8	GoldwaserS18 [251], GoldwaserS17 [250]
Arnaud Gotlieb	2	9	MossigeGSMC17 [448], AlesioNBG14 [181]
Iiro Harjunkoski	2	550	HarjunkoskiMBC14 [279], HarjunkoskiG02 [278]
Vilém Heinz	2	5	abs-2305-19888 [296], HeinzNVH22 [295]
Alessandro Hill	2	0	HillBCGN22 [301], HillTV21 [302]
Seyed Hossein Hashemi Doulabi	2	59	DoulabiRP16 [190], DoulabiRP14 [189]
Georgiana Ifrim	2	12	GrimesIOS14 [260], IfrimOS12 [320]
Mirjana Ivanovic	2	4	BadicaBI20 [39], BadicaBIL19 [40]
Raf Jans	2	60	MartnezAJ22 [428], Jans09 [324]
Chanchal K. Roy	2	43	ZibranR11 [667], ZibranR11a [668]
Lucas Kletzander	2	1	GeibingerKKMMW21 [234], KletzanderM17 [347]
Jan Kristof Behrens	2	12	BehrensLM19 [76], abs-1901-07914 [77]
Wen-Yang Ku	2	128	KuB16 [365], HeinzKB13 [291]
Michelle L. Blom	2	35	BlomPS16 [100], BlomBPS14 [99]
Marie-Louise Lackner	2	0	LacknerMMWW23 [374], LacknerMMWW21 [373]
Arnaud Lallouet	2	0	PerezGSL23 [496], abs-2312-13682 [497]
Evelina Lamma	2	12	LammaMM97 [377], BrusoniCLMMT96 [123]
Ralph Lange	2	12	BehrensLM19 [76], abs-1901-07914 [77]
Bruno Legeard	2	13	BoucherBVBL97 [116], BaptisteLV92 [51]
Pierre Lemaire	2	32	CatusseCBL16 [139], GuyonLPR12 [271]
Michel Lemaître	2	110	VerfaillieL01 [611], BensanaLV99 [91]
BoonPing Lim	2	6	LimHTB16 [390], LimBTBB15 [391]
Kamol Limtanyakul	2	6	LimtanyakulS12 [393], Limtanyakul07 [392]
Yiqing Lin	2	1	AntunesABD20 [20], AntunesABD18 [19]
Nir Lipovetzky	2	0	BurtLPS15 [124], LipovetzkyBPS14 [394]

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Author	Nr Works	Nr Cites	Entries
James Little	2	30	KrogtLPHJ07 [608], Darby-DowmanLMZ97 [163]
Shixin Liu	2	0	LiFJZLL22 [387], ZhangJZL22 [657]
Xavier Lorca	2	29	GodetLHS20 [247], HermenierDL11 [300]
Curtiss Luong	2	115	RoshanaeiLAU17 [522], RoshanaeiLAU17a [523]
Abid M. Malik	2	15	Malik08 [424], MalikMB08 [425]
Pedro M. Castro	2	381	HarjunkoskiMBC14 [279], CastroGR10 [138]
Gilles Madi-Wamba	2	1	Madi-WambaLOBM17 [418], Madi-WambaB16 [417]
Adrien Maillard	2	9	HebrardALLCMR22 [285], HebrardHJMPV16 [286]
Masoumeh Mansouri	2	12	BehrensLM19 [76], abs-1901-07914 [77]
Jacopo Mauro	2	2	LiuCGM17 [396], AmadiniGM16 [17]
Gonzalo Mejía	2	25	YuraszeckMC23 [649], MejiaY20 [431]
Paola Mello	2	12	LammaMM97 [377], BrusoniCLMMT96 [123]
Carlos Mencía	2	25	MenciaSV13 [434], MenciaSV12 [433]
Mahdi Mokhtarzadeh	2	25	FarsiTM22 [211], MokhtarzadehTNF20 [443]
Roberto Montemanni	2	2	MontemanniD23 [447], MontemanniD23a [446]
Christoph Mrkvicka	2	0	LacknerMMWW23 [374], LacknerMMWW21 [373]
István Módos	2	3	BenediktMH20 [86], BenediktSMVH18 [87]
Sophie N. Parragh	2	14	HauderBRPA20 [283], abs-1902-09244 [282]
Samba Ndojh Ndiaye	2	4	GroleazNS20 [263], GroleazNS20a [262]
Youchou Ngo-Kateu	2	13	KameugneFSN14 [338], KameugneFSN11 [337]
Alain Nguyen	2	3	AntuoriHHEN21 [22], AntuoriHHEN20 [21]
Su Nguyen	2	0	abs-2402-00459 [469], abs-2211-14492 [566]
Antonín Novák	2	5	abs-2305-19888 [296], HeinzNVH22 [295]
Bryan O’Gorman	2	3	TranWDRFOVB16 [601], TranDRFWOVB16 [596]
Mike O’Keeffe	2	1	AntunesABD20 [20], AntunesABD18 [19]
Eva Onaíndia	2	27	GarridoAO09 [227], GarridoOS08 [228]
Irem Ozkarahan	2	89	EdisO11a [192], TopalogluO11 [590]
Cemalettin Ozturk	2	1	AntunesABD20 [20], AntunesABD18 [19]
Carla P. Gomes	2	0	HoeveGSL07 [609], GomesHS06 [254]
Laure Pauline Fotso	2	13	KameugneFSN14 [338], KameugneFSN11 [337]
Guillaume Perez	2	0	PerezGSL23 [496], abs-2312-13682 [497]
Toàn Phan Huy	2	18	DorndorfPH99 [188], DorndorfHPP99 [187]
Nicola Policella	2	10	CestaOPS14 [143], OddiPCC03 [482]
Enrico Pontelli	2	0	TardivoDFMP23 [575], VillaverdeP04 [622]
Luis Quesada	2	1	AntunesABD20 [20], AntunesABD18 [19]
Oscar Quiroga	2	35	ZaballosQH10 [656], QuirogaZH05 [514]
Günther R. Raidl	2	14	FrohnerTR19 [223], RendlPHPR12 [516]
Levi R. Abreu	2	0	PrataAN23 [509], AbreuPNF23 [3]
María R. Sierra	2	25	MenciaSV13 [434], MenciaSV12 [433]
Sebastian Raggl	2	14	HauderBRPA20 [283], abs-1902-09244 [282]
Vinasétan Ratheil Houndji	2	5	HoundjiSW19 [316], HoundjiSWD14 [317]
David Rivreau	2	42	NattafALR16 [464], GuyonLPR12 [271]
Francesca Rossi	2	29	GelainPRVW17 [239], BartakSR10 [58]
Louis-Martin Rousseau	2	106	CastroGR10 [138], CorreaLR07 [158]
Marcelo S. Nagano	2	0	PrataAN23 [509], AbreuPNF23 [3]
Erlendur S. Thorsteinsson	2	81	MilanoORT02 [439], Thorsteinsson01 [587]
Ruslan Sadykov	2	56	SadykovW06 [528], Sadykov04 [527]
Konstantin Schekotihin	2	0	TasselGS23 [576], abs-2306-05747 [577]
Christian Schulte	2	5	WessenCS20 [633], FrimodigS19 [221]
Bart Selman	2	0	HoeveGSL07 [609], GomesHS06 [254]
Paul Shaw	2	179	LaborieRSV18 [372], VilimLS15 [621]
Wijnand Suijlen	2	0	PerezGSL23 [496], abs-2312-13682 [497]
Yuan Sun	2	0	abs-2402-00459 [469], abs-2211-14492 [566]
Reza Tavakkoli-Moghaddam	2	25	Mehdizadeh-Somarin23 [430], MokhtarzadehTNF20 [443]
Clémentin Tayou Djamégni	2	0	KameugneFND23 [336], FetgoD22 [214]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Erich Teppan	2	3	abs-2102-08778 [155], FriedrichFMRST14 [220]
Alexander Tesch	2	9	Tesch18 [583], Tesch16 [582]
Sylvie Thiébaux	2	6	LimHTB16 [390], LimBTBB15 [391]
Charles Thomas	2	6	ThomasKS20 [586], CappartTSR18 [130]
Behdin Vahedi Nouri	2	25	Mehdizadeh-Somarin23 [430], MokhtarzadehTNF20 [443]
Behdin Vahedi-Nouri	2	9	Fatemi-AnarakiTFV23 [212], NouriMHD23 [604]
Ramiro Varela	2	25	MenciaSV13 [434], MenciaSV12 [433]
Christophe Varnier	2	13	BoucherBVBL97 [116], BaptisteLV92 [51]
Davide Venturelli	2	3	TranWDRFOVB16 [601], TranDRFWOVB16 [596]
Ruixin Wang	2	0	WangB23 [629], WangB20 [628]
Zhihui Wang	2	3	TranWDRFOVB16 [601], TranDRFWOVB16 [596]
Jean-Paul Watson	2	57	BeckFW11 [66], WatsonB08 [632]
Christine Wei Wu	2	42	WuBB09 [643], WuBB05 [642]
Christophe Wolinski	2	19	WolinskiKG04 [641], KuchcinskiW03 [366]
Farouk Yalaoui	2	3	OujanaAYB22 [487], ArbaouiY18 [24]
Neil Yorke-Smith	2	5	EfthymiouY23 [194], WallaceY20 [627]
Ziyan Zhao	2	0	LiFJZLL22 [387], ZhangJZL22 [657]
Jianyang Zhou	2	24	Zhou97 [663], Zhou96 [662]
Menkes van den Briel	2	6	LimHTB16 [390], LimBTBB15 [391]
Peter van Beek	2	16	BegB13 [75], MalikMB08 [425]
	1	63	ArtiguesDN08 [31]
Florian A. Herzog	1	2	KoehlerBFFHPSSS21 [348]
J. A. Hoogeveen	1	2	AkkerDH07 [606]
M. A. Hakim Newton	1	0	RiahiNS018 [517]
Amr A. Kandil	1	24	TangLWSK18 [574]
Antonio A. Márquez	1	7	ValleMGTO3 [605]
Kennedy A. G. Araújo	1	0	AbreuAPNM21 [166]
Steve A. Chien	1	0	HebrardALLCMR22 [285]
Sheila A. McIlraith	1	0	LuoVLBM16 [415]
Andre A. Ciré	1	15	CireCH16 [150]
Julie A. Shah	1	71	GombolayWS18 [253]
Younes Aalian	1	0	AalianPG23 [1]
E.H.L. Aarts	1	65	NuijtenA96 [480]
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 [201]
Yossiri Adulyasak	1	1	MartnezAJ22 [428]
Sezin Afsar	1	0	AfsarVPG23 [8]
Penélope Aguiar-Melgarejo	1	14	MelgarejoLS15 [11]
Sanjay Ahire	1	0	KanetAG04 [339]
Aftab Ahmed Shaikh	1	0	ShaikhK23 [547]
Uwe Aickelin	1	0	abs-2211-14492 [566]
Farid Ajili	1	4	AjiliW04 [12]
Ali Akbar Sadat Asl	1	55	ZarandiASC20 [654]
Mohsen Akbarpour Shirazi	1	28	ZarandiKS16 [653]
Arianna Alfieri	1	0	AlfieriGPS23 [15]
S. Ali Torabi	1	0	FarsiTM22 [211]
Samira Alizdeh	1	1	AlizdehS20 [16]
Hassane Alla	1	0	LopezAKYG00 [410]
Roberto Amadini	1	2	AmadiniGM16 [17]
Lionel Amodeo	1	1	OujanaAYB22 [487]
Alexandru Andrei	1	9	RuggieroBBMA09 [525]
Ola Angelsmark	1	1	AngelsmarkJ00 [18]

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Author	Nr Works	Nr Cites	Entries
Richard Anthony Valenzano	1	0	LuoVLBM16 [415]
M. Anton Ertl	1	14	ErtlK91 [200]
Zbigniew Antoni Banaszak	1	0	BocewiczBB09 [101]
Marlene Arangú	1	5	GarridoAO09 [227]
Arthur Araujo	1	72	TranAB16 [594]
Taha Arbaoui	1	2	ArbaouiY18 [24]
Dmitry Arkhipov	1	12	ArkhipovBL19 [25]
Martin Aronsson	1	0	AronssonBK09 [29]
M. Arslan Ornek	1	31	OzturkTHO13 [488]
Konstantin Artiouchine	1	3	ArtiouchineB05 [34]
Arezo Atighehchian	1	0	YounespourAKE19 [645]
Abdullah Ayub Khan	1	0	ShaikhK23 [547]
Amr B. Eltawil	1	1	AbohashimaEG21 [2]
Maya B. Gokhale	1	0	WolinskiKG04 [641]
David B. H. Tay	1	0	Tay92 [578]
Davaatseren Baatar	1	3	EdwardsBSE19 [193]
Özalp Babaoglu	1	1	GalleguillosKSB19 [225]
Irena Bach	1	0	BocewiczBB09 [101]
Astrid Bachelu	1	0	BoucherBVBL97 [116]
Scott Backhaus	1	4	LimBTBB15 [391]
Hari Balasubramanian	1	9	ShinBBHO18 [550]
Viet Bang Nguyen	1	0	LauLN08 [378]
Federico Barber	1	0	AbrilSB05 [4]
Ada Barlatt	1	1	BarlattCG08 [52]
Mohammadreza Barzegaran	1	0	BarzegaranZP20 [61]
Virginie Basini	1	8	Polo-MejiaALB20 [503]
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 [592]
Till Bender	1	1	BenderWS21 [84]
Belaid Benhamou	1	0	TouatBT22 [592]
Hachemi Bennaceur	1	8	KhemmoudjPB06 [344]
E. Bensana	1	99	BensanaLV99 [91]
Russell Bent	1	4	LimBTBB15 [391]
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 [584]
Grzegorz Bocewicz	1	0	BocewiczBB09 [101]
Markus Bohlin	1	0	AronssonBK09 [29]
Peter Bongers	1	381	HarjunkoskiMBC14 [279]
Nicolas Bonifas	1	3	BaptisteB18 [46]
Eric Boucher	1	0	BoucherBVBL97 [116]
Raphaël Boudreault	1	0	BoudreaultSLQ22 [117]
Jean-Louis Bouquard	1	22	LorigeonBB02 [411]
Eric Bourreau	1	4	BourreauGGTL22 [118]
Nadia Brauner	1	0	CatusseCBL16 [139]
Silvia Breitinger	1	0	BreitingerL95 [119]
Kristen Brent Venable	1	1	GelainPRVW17 [239]
D. Brodart	1	1	OujanaAYB22 [487]
Yuriy Brun	1	9	ShinBBHO18 [550]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Vittorio Brusoni	1	1	BrusoniCLMMT96 [123]
Josef Bürgler	1	2	KoehlerBFFHPSSS21 [348]
Jacek Błażewicz	1	344	BlazewiczDP96 [125]
Cristina C. B. Cavalcante	1	5	HeipckeCCS00 [297]
Lionel C. Briand	1	3	AlesioNBG14 [181]
Eugene C. Freuder	1	0	CarchraeBF05 [132]
Kevin C. Furman	1	48	GoelSHFS15 [248]
Joseph C. Pemberton	1	26	PembertonG98 [494]
Hendrik C. R. Lock	1	0	BreitingerL95 [119]
Erich C. Teppan	1	3	ColT22 [160]
Matthew C. Gombolay	1	71	GombolayWS18 [253]
Eray Cakici	1	50	HamC16 [276]
Louis-Pierre Campeau	1	0	CampeauG22 [128]
Cid Carvalho de Souza	1	31	LopesCSM10 [409]
Yves Caseau	1	0	Caseau97 [137]
Oscar Castillo	1	55	ZarandiASC20 [654]
Nicolas Catusse	1	0	CatusseCBL16 [139]
Yao-Ting Chang	1	2	HoYCLLC18 [303]
Nicolas Chapados	1	5	ChapadosJR11 [145]
Philippe Charlier	1	11	SimonisCK00 [560]
Yarong Chen	1	2	ChenGPSH10 [146]
Mohammad Cherkaoui	1	0	FallahiAC20 [209]
Han-Mo Chiu	1	2	HoYCLLC18 [303]
Yeonjun Choi	1	0	KimCMLLP23 [345]
Yingyi Chu	1	13	ChuX05 [148]
Sue-Min Chu	1	2	HoYCLLC18 [303]
Hoong Chuin Lau	1	0	LauLN08 [378]
Italo Cipriano	1	0	HillBCGN22 [301]
Michael Codish	1	127	OhrimenkoSC09 [483]
Carleton Coffrin	1	14	SchausHMCMD11 [531]
Eldan Cohen	1	1	CohenHB17 [154]
Jordi Coll	1	1	BofillCSV17 [103]
Luca Console	1	1	BrusoniCLMMT96 [123]
E. Contejean	1	167	BeldiceanuC94 [78]
Trijntje Cornelissens	1	17	SimonisC95 [561]
Gabriella Cortellessa	1	8	OddiPCC03 [482]
Nicolás Cuneo	1	0	YuraszeckMCCR23 [651]
Kateryna Czerniachowska	1	0	CzerniachowskaWZ23 [159]
Alain Côté	1	0	PopovicCGNC22 [504]
Kenneth D. Young	1	6	YoungFS17 [646]
Laurent D. Michel	1	3	FontaineMH16 [216]
Steven D. Prestwich	1	6	RossiTHP07 [524]
Michael D. Moffitt	1	0	MoffittPP05 [442]
Jean Damay	1	3	NeronABCDD06 [481]
Ken Darby-Dowman	1	28	Darby-DowmanLMZ97 [163]
Vivian De Smedt	1	7	GaySS14 [232]
Alexis De Clercq	1	3	ClercqPBJ11 [151]
Rina Dechter	1	10	FrostD98 [224]
Carmelo Del Valle	1	7	ValleMGTO3 [605]
Xavier Delorme	1	0	RodriguezDG02 [519]
Alain Demeure	1	0	JourdanFRD94 [326]
Emir Demirovic	1	4	DemirovicS18 [177]
Roberto Di Cosmo	1	0	LiuCGM17 [396]
Guido Diepen	1	2	AkkerDH07 [606]
Bistra Dilkina	1	2	DilkinaDH05 [182]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Mehmet Dincbas	1	86	DincbasSH90 [184]
Yann Disser	1	0	EmdeZD22 [199]
Alexandre Dolgui	1	2	NouriMHD23 [604]
Ulrich Dondorf	1	0	DondorfPH03 [185]
Wolfgang Domschke	1	344	BlazewiczDP96 [125]
Grégoire Dooks	1	1	DooksH08 [186]
Agostino Dovier	1	0	TardivoDFMP23 [575]
Yuquan Du	1	27	QinDCS20 [512]
Lei Duan	1	2	DilkinaDH05 [182]
Alexandre Duarte de Almeida Lemos	1	0	Lemos21 [381]
Didier Dubois	1	13	FortinZDF05 [218]
Pierre Dupont	1	0	MonetteDD07 [444]
David Duvivier	1	36	WangMD15 [630]
Kyle E. C. Booth	1	21	BoothNB16 [114]
Marco E. Lübbecke	1	28	BertholdHLMS10 [92]
Andrew E. Santosa	1	0	ZhuS02 [665]
Martha E. Pollack	1	0	MoffittPP05 [442]
Kyle E.C. Booth	1	24	RoshanaeiBAUB20 [521]
Nikolaos Efthymiou	1	0	EfthymiouY23 [194]
Gokhan Egilmez	1	43	GedikKEK18 [233]
Péter Egri	1	2	KovacsEKV05 [357]
Nizar El Hachemi	1	32	HachemiGR11 [272]
Ghada El Khayat	1	84	KhayatLR06 [343]
Abdellah El Fallahi	1	0	FallahiAC20 [209]
Özgün Elçi	1	2	ElciOH22 [195]
Simon Emde	1	0	EmdeZD22 [199]
Eyüp Ensar Isik	1	0	IsikYA23 [321]
Teresa Escobet	1	17	EscobetPQPRA19 [201]
Joan Espasa	1	3	BofillEGPSV14 [104]
Alireza Etminaniesfahani	1	0	EtminaniesfahaniGNMS22 [202]
Michael F. Gorman	1	0	KanetAG04 [339]
Richard F. Hartl	1	24	SchnellH15 [533]
Mohd Fadlee A. Rasid	1	0	AkramNHRSA23 [13]
François Fages	1	0	JourdanFRD94 [326]
Moreno Falaschi	1	10	FalaschiGMP97 [208]
Huali Fan	1	18	FanXG21 [210]
Hélène Fargier	1	13	FortinZDF05 [218]
Soroush Fatemi-Anaraki	1	7	Fatemi-AnarakiTFV23 [212]
Filippo Focacci	1	0	FocacciLN00 [215]
Daniel Fontaine	1	3	FontaineMH16 [216]
Urs Fontana	1	2	KoehlerBFFHPSSS21 [348]
M.A. Forbes	1	0	ForbesHJST24 [217]
Andrea Formisano	1	0	TardivoDFMP23 [575]
Jérôme Fortin	1	13	FortinZDF05 [218]
Mehdi Foumani	1	7	Fatemi-AnarakiTFV23 [212]
Gerhard Friedrich	1	3	FriedrichFMRSS14 [220]
Sara Frimodig	1	3	FrimodigS19 [221]
Aurélien Froger	1	0	Froger16 [222]
Nikolaus Frohner	1	0	FrohnerTR19 [223]
Daniel Frost	1	10	FrostD98 [224]
Melanie Frühstück	1	3	FriedrichFMRSS14 [220]
Jun Fu	1	0	LiFJZLL22 [387]
Etienne Fux	1	2	KoehlerBFFHPSSS21 [348]
Ernesto G. Birgin	1	30	LunardiBLRV20 [413]

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Author	Nr Works	Nr Cites	Entries
Mohamed Gaha	1	0	PopovicCGNC22 [504]
Flavius Galiber III	1	26	PembertonG98 [494]
Cristian Galleguillos	1	1	GalleguillosKSB19 [225]
Xavier Gandibleux	1	0	RodriguezDG02 [519]
Graeme Gange	1	6	He0GLW18 [284]
Thierry Garaix	1	4	BourreauGGLT22 [118]
Maria Garcia de la Banda	1	24	BandaSC11 [170]
Antoine Gargani	1	17	GarganiR07 [226]
Serge Gaspers	1	0	ChuGNSW13 [147]
Jonathan Gaudreault	1	2	Mercier-AubinGQ20 [437]
Ridvan Gedik	1	43	GedikKEK18 [233]
Marc Geitz	1	0	GeitzGSSW22 [238]
Mirco Gelain	1	1	GelainPRVW17 [239]
Michel Gendreau	1	32	HachemiGR11 [272]
Wing-Yue Geoffrey Louie	1	16	LouieVNB14 [412]
Marcus Gerhard Müller	1	17	MullerMKP22 [451]
Patrick Gerhards	1	0	HubnerGSV21 [318]
Grigori German	1	0	German18 [240]
Ulrich Geske	1	2	Geske05 [241]
Shirin Ghasemi	1	0	GhasemiMH23 [242]
Katherine Giles	1	2	GilesH16 [243]
Gaël Glorian	1	0	PerezGSL23 [496]
Gael Glorian	1	0	abs-2312-13682 [497]
Daniel Godard	1	0	GodardLN05 [245]
Vikas Goel	1	48	GoelSHFS15 [248]
Mark Goh	1	18	FanXG21 [210]
Hans-Joachim Goltz	1	7	Goltz95 [252]
Matthieu Gondran	1	4	BourreauGGLT22 [118]
Inés González-Rodríguez	1	0	AfsarVPG23 [8]
Marcos Goycoolea	1	0	HillBCGN22 [301]
Cristian Grozea	1	0	GeitzGSSW22 [238]
Flavius Gruian	1	5	GruianK98 [264]
Zailin Guan	1	2	ChenGPSH10 [146]
Alessio Guerri	1	18	BeniniBGM06 [88]
Serigne Gueye	1	3	Acuna-AgostMFG09 [5]
Ying Guo	1	0	ZhouGL15 [664]
Peng Guo	1	8	GuoHLW20 [268]
Penghui Guo	1	0	GuoZ23 [269]
Olivier Guyon	1	32	GuyonLPR12 [271]
Şeyda Gür	1	0	GurEA19 [670]
Burak Gökgür	1	31	GokgurHO18 [249]
Seyda Gür	1	1	GurPAE23 [270]
Fehmi H'Mida	1	11	TrojetHL11 [602]
Rolf H. Möhring	1	28	BertholdHLMS10 [92]
John H. Drake	1	41	PourDERB18 [505]
M. H. Fazel Zarandi	1	28	ZarandiKS16 [653]
Klaus H. Ecker	1	38	BlazewiczEP19 [97]
Emile H. L. Aarts	1	0	NuijtenA94 [478]
Tarik Hadzic	1	3	SimonisH11 [562]
Mahdi Hamid	1	0	GhasemiMH23 [242]
Claire Hanen	1	1	HanenKP21 [277]
Jiang Hang Chen	1	27	QinDCS20 [512]
Sue Hanhilammi	1	2	KrogtLPHJ07 [608]
Zdeněk Hanzálek	1	2	NouriMHD23 [604]
Mohamed Haouari	1	3	LahimerLH11 [375]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
M.G. Harris	1	0	ForbesHJST24 [217]
Fazirulhisyam Hashim	1	0	AkramNHRSA23 [13]
Muhammad Hasseb	1	2	ChenGPSH10 [146]
Shan He	1	6	He0GLW18 [284]
Xun He	1	8	GuoHLW20 [268]
Ivan Heckman	1	0	HeckmanB11 [289]
Susanne Heipcke	1	5	HeipckeCCS00 [297]
Fabien Hermenier	1	28	HermenierDL11 [300]
Gerhard Hiermann	1	14	RendlPHPR12 [516]
Te-Wei Ho	1	2	HoYCLLC18 [303]
Petra Hofstedt	1	1	LiuLH19 [395]
Markó Horváth	1	5	NattafHKAL19 [466]
Mohammad Hossein Fazel	1	55	ZarandiASC20 [654]
Zarandi			
John Hou	1	1	DavenportKRSH07 [165]
Guoyu Huang	1	1	CohenHB17 [154]
Barry Hurley	1	0	HurleyOS16 [319]
Felix Hübner	1	0	HubnerGSV21 [318]
Ayoub Insa Corréa	1	106	CorreaLR07 [158]
Amar Isli	1	3	BelhadjiI98 [83]
Mustafa Ismael Salman	1	0	AkramNHRSA23 [13]
Fernando J. M. Marcellino	1	0	SerraNM12 [546]
Leon J. Osterweil	1	9	ShinBBHO18 [550]
H. J. Kim	1	12	SureshMOK06 [568]
John J. Kanet	1	0	KanetAG04 [339]
Colin J. Layfield	1	0	Layfield02 [380]
Andrew J. Mason	1	5	Mason01 [429]
Steven J. Edwards	1	3	EdwardsBSE19 [193]
Ronald J. Wilcox	1	71	GombolayWS18 [253]
Andrea J. Brickey	1	0	HillBCGN22 [301]
Vipul Jain	1	279	JainG01 [323]
A.S. Jain	1	490	JainM99 [322]
H.M. Jansen	1	0	ForbesHJST24 [217]
Jean Jaubert	1	0	PraletLJ15 [508]
Jan Jelínek	1	0	JelinekB16 [325]
Yingjun Ji	1	0	ZhangJZL22 [657]
Zixi Jia	1	0	LiFJZLL22 [387]
Yunfei Jiang	1	0	LiuJ06 [397]
Yue Jin	1	2	KrogtLPHJ07 [608]
Marc Joliveau	1	5	ChapadosJR11 [145]
Peter Jonsson	1	1	AngelsmarkJ00 [18]
Juan José Palacios	1	0	AfsarVPG23 [8]
Antoine Jouglet	1	3	CarlierSJP21 [136]
Jean Jourdan	1	0	JourdanFRD94 [326]
Nicolas Jozefowicz	1	9	HebrardHJMPV16 [286]
Jae-Yoon Jung	1	1	ParkUJR19 [493]
Pascal Jungblut	1	0	JungblutK22 [327]
T. K. Satish Kumar	1	4	Kumar03 [367]
Edmund K. Burke	1	41	PourDERB18 [505]
Mustafa K. Dogru	1	8	TerekhovDOB12 [580]
T. K. Feng	1	43	BeckFW11 [66]
Jayant Kalagnanam	1	1	DavenportKRSH07 [165]
Darshan Kalathia	1	43	GedikKEK18 [233]
Olli Kamarainen	1	9	KamarainenS02 [332]
Nor Kamariah Noordin	1	0	AkramNHRSA23 [13]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Philip Kay	1	11	SimonisCK00 [560]
Elena Kelareva	1	16	KelarevaTK13 [340]
Jan Kelbel	1	12	KelbelH11 [341]
H. Khorshidian	1	28	ZarandiKS16 [653]
Kamran Kianfar	1	0	YounespourAKE19 [645]
Philip Kilby	1	16	KelarevaTK13 [340]
Dongyun Kim	1	0	KimCMLLP23 [345]
Emre Kirac	1	43	GedikKEK18 [233]
Zeynep Kiziltan	1	1	GalleguillosKSB19 [225]
Christian Klanke	1	3	KlankeBYE21 [346]
Jana Koehler	1	2	KoehlerBFFHPSSS21 [348]
Wolfgang Kohlenbrein	1	0	KovacsTKSG21 [361]
Rainer Kolisch	1	4	PohlAK22 [502]
Sebastian Kosch	1	4	KoschB14 [353]
Benjamin Kovács	1	0	KovacsTKSG21 [361]
Matthias Krainz	1	0	GeibingerKKMMW21 [234]
Andreas Krall	1	14	ErtlK91 [200]
Dieter Kranzlmüller	1	0	JungblutK22 [327]
Dominik Kress	1	17	MullerMKP22 [451]
Per Kreuger	1	0	AronssonBK09 [29]
Mustafa Küçük	1	0	KucukY19 [368]
Elif Kürklü	1	4	FrankK05 [219]
András Kéri	1	1	KeriK07 [342]
Michael L. Pinedo	1	0	KimCMLLP23 [345]
Hassan L. Hijazi	1	2	LimHTB16 [390]
Philip L. Henneman	1	9	ShinBBHO18 [550]
Yiqing L. Luo	1	0	LuoB22 [416]
Philippe Lacomme	1	4	BourreauGGLT22 [118]
Daniel Lafond	1	0	BoudreaultSLQ22 [117]
Anne-Marie Lagrange	1	0	CatusseCBL16 [139]
Asma Lahimer	1	3	LahimerLH11 [375]
Feipei Lai	1	2	HoYCLLC18 [303]
Jui-Fen Lai	1	2	HoYCLLC18 [303]
André Langevin	1	106	CorreaLR07 [158]
Alexander Lazarev	1	12	ArkhipovBL19 [25]
Christophe Lecoutre	1	20	GayHLS15 [229]
Myungho Lee	1	0	KimCMLLP23 [345]
Kangbok Lee	1	0	KimCMLLP23 [345]
Solange Lemai-Chenevier	1	0	PraletLJ15 [508]
Xingyang Li	1	0	LiFJZLL22 [387]
Siyi Li	1	0	LiFJZLL22 [387]
Xiaodong Li	1	0	abs-2211-14492 [566]
Guipeng Li	1	0	ZhouGL15 [664]
Hong Li	1	4	SunLYL10 [567]
Nan Li	1	4	SunLYL10 [567]
Yunbo Li	1	1	Madi-WambaLOBM17 [418]
Heyse Li	1	8	TranPZLDB18 [597]
Yi Li	1	0	LuoVLBM16 [415]
Haitao Li	1	113	LiW08 [386]
Wan-Chung Liao	1	2	HoYCLLC18 [303]
Ariel Liebman	1	6	He0GLW18 [284]
Olivier Liess	1	22	LiessM08 [388]
Andrew Lim	1	5	LimRX04 [389]
Tong Liu	1	0	LiuCGM17 [396]
Lingxuan Liu	1	12	QinWSLS21 [511]

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Author	Nr Works	Nr Cites	Entries
Ke Liu	1	1	LiuLH19 [395]
Rengkui Liu	1	24	TangLWSK18 [574]
Yuechang Liu	1	0	LiuJ06 [397]
Giovanni Lo Bianco	1	0	ZhangBB22 [658]
Doina Logofatu	1	2	BadicaBIL19 [40]
Thomas Lorigeon	1	22	LorigeonBB02 [411]
Yulin Luan	1	8	GuoHLW20 [268]
Roy Luo	1	0	LuoVLBM16 [415]
Arnaud Lusson	1	0	HebrardALLCMR22 [285]
Chang Lv	1	100	MengZRZL20 [435]
Zhimin Lv	1	1	ZhangLS12 [661]
Sven Löffler	1	1	LiuLH19 [395]
J. M. van den Akker	1	2	AkkerDH07 [606]
Abdulrahman M. Abdulghani	1	0	AkramNHSA23 [13]
O. M. Alade	1	0	abs-1902-01193 [14]
Shahrzad M. Pour	1	41	PourDERB18 [505]
Franco M. Novara	1	18	NovaraNH16 [473]
Rafael M. Gasca	1	7	ValleMGTO3 [605]
Jose M. Framinan	1	0	AbreuPNF23 [3]
Andy M. Ham	1	50	HamC16 [276]
Mohammad M. Fazal-Zarandi	1	38	ZarandiB12 [213]
Jun Ma	1	1	MakMS10 [419]
Amy Mainville Cohn	1	1	BarlattCG08 [52]
Kai-Ling Mak	1	1	MakMS10 [419]
V. Mani	1	12	SureshMOK06 [568]
Oscar Manzano	1	1	MurphyMB15 [453]
Christos Maravelias	1	0	AggounMV08 [10]
Kourosh Marjani Rasmussen	1	41	PourDERB18 [505]
Kim Marriott	1	10	FalaschiGMP97 [208]
Fae Martin	1	11	MartinPY01 [427]
Jim McInnes	1	15	MalikMB08 [425]
S. Meeran	1	490	JainM99 [322]
Zahra Mehdizadeh-Somarin	1	0	Mehdizadeh-Somarin23 [430]
Haci Mehmet Alakas	1	1	GurPAE23 [270]
Haci Mehmet Alakas	1	0	GurEA19 [670]
Sebastian Meiswinkel	1	0	WinterMMW22 [635]
Gonzalo Mejía	1	6	YuraszekMPV22 [650]
Hein Meling	1	6	MossigeGSMC17 [448]
Julien Menana	1	0	Menana11 [432]
Jean-Marc Menaud	1	1	Madi-WambaLOBM17 [418]
Leilei Meng	1	100	MengZRZL20 [435]
Luc Mercier	1	32	MercierH08 [436]
Alexandre Mercier-Aubin	1	2	Mercier-AubinGQ20 [437]
Vera Mersheeva	1	3	FriedrichFMRSS14 [220]
Nadine Meskens	1	36	WangMD15 [630]
Bernd Meyer	1	13	ThiruvadyBME09 [584]
Kyung Min Kim	1	0	HamPK21 [275]
Gautam Mitra	1	28	Darby-DowmanLMZ97 [163]
Elizabeth Montero	1	0	YuraszekMCCR23 [651]
Kyungduk Moon	1	0	KimCMLLP23 [345]
Leila Moslemi Naeni	1	0	EtminaniesfahaniGNMS22 [202]
Morten Mossige	1	6	MossigeGSMC17 [448]
Alix Munier Kordon	1	1	HanenKP21 [277]
Stanislav Murin	1	2	MurinR19 [452]
Nicola Muscettola	1	14	Muscettola02 [454]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
David Müller	1	17	MullerMKP22 [451]
András Márkus	1	2	VanczaM01 [610]
Marc-André Ménard	1	1	BessiereHMqw14 [93]
Carlos Méndez	1	381	HarjunkoskiMBC14 [279]
T. N. Wong	1	6	ZhangYW21 [659]
S. N. Omkar	1	12	SureshMOK06 [568]
Nina Narodytska	1	0	ChuGNSW13 [147]
Shiva Nejati	1	3	AlesioNBG14 [181]
Alexandra Newman	1	0	HillBCGN22 [301]
Franklin Nguewouo	1	0	PopovicCGNC22 [504]
Gilberto Nishioka	1	0	SerraNM12 [546]
Thierry Noulamo	1	0	KameugneFND23 [336]
W.P.M. Nuijten	1	65	NuijtenA96 [480]
Jari Nurmi	1	2	QuSN06 [513]
Emmanuel Néron	1	3	NeronABCDD06 [481]
A. O. Amusat	1	0	abs-1902-01193 [14]
Ceyda Oguz	1	5	EdisO11 [191]
Olga Ohrimenko	1	127	OhrimenkoSC09 [483]
Bilal Omar Akram	1	0	AkramNHRSA23 [13]
Mirza Omer Beg	1	1	BegB13 [75]
Anne-Cécile Orgerie	1	1	Madi-WambaLOBM17 [418]
Gregor Ottosson	1	317	HookerO03 [313]
Greger Ottosson	1	14	MilanoORT02 [439]
Mohand Ou Idir Khemmoudj	1	8	KhemmoudjPB06 [344]
Pierre Ouellet	1	12	OuelletQ13 [484]
Soukaina Oujana	1	1	OujanaAYB22 [487]
Asma Ouled Bedhief	1	0	Bedhief21 [74]
Débora P. Ronconi	1	30	LunardiBLRV20 [413]
Edward P. K. Tsang	1	1	Tsang03 [603]
W. P. M. Nuijten	1	0	NuijtenA94 [478]
Meghana Padmanabhan	1	8	TranPZLDB18 [597]
Miquel Palahí	1	3	BofillEGPSV14 [104]
Catuscia Palamidessi	1	10	FalaschiGMP97 [208]
Pere Palà-Schönwälder	1	17	EscobetPQPRA19 [201]
Vaibhav Pandey	1	3	PandeyS21a [489]
Hoonseok Park	1	1	ParkUJR19 [493]
Myoung-Ju Park	1	0	HamPK21 [275]
Erica Pastore	1	0	AlfieriGPS23 [15]
Theo Pedersen	1	1	HanenKP21 [277]
Bart Peintner	1	0	MoffittPP05 [442]
Yunfang Peng	1	2	ChenGPSH10 [146]
Louise Penz	1	0	PenzDN23 [495]
Bernard Penz	1	0	CatusseCBL16 [139]
Jordi Pereira	1	6	YuraszeckMPV22 [650]
Laurent Perron	1	21	DannaP03 [162]
Toän Phan Huy	1	0	DomdorfPH03 [185]
Mehmet Pinarbasi	1	1	GurPAE23 [270]
Arthur Pinkney	1	11	MartinPY01 [427]
Eric Pinson	1	3	CarlierSJP21 [136]
Eric Pinson	1	32	GuyonLPR12 [271]
David Pisinger	1	2	SacramentoSP20 [526]
Maximilian Pohl	1	4	PohlAK22 [502]
Oliver Polo-Mejía	1	8	Polo-MejiaALB20 [503]
Paul Pop	1	0	BarzegaranZP20 [61]
Louis Popovic	1	0	PopovicCGNC22 [504]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Marc Porcheron	1	8	KhemmoudjPB06 [344]
Marc Pouly	1	2	KoehlerBFFHPSSS21 [348]
Guillaume Poveda	1	0	PovedaAA23 [506]
Matthias Prandtstetter	1	14	RendlPHPR12 [516]
Patrick Prosser	1	0	BeckPS03 [69]
Jakob Puchinger	1	14	RendlPHPR12 [516]
Jean-Francois Puget	1	6	Puget95 [510]
Vicenç Puig	1	17	EscobetPQPRA19 [201]
Kenneth Pulliam	1	2	KrogtLPHJ07 [608]
Karim Pérez Martínez	1	1	MartnezAJ22 [428]
Kenny Qili Zhu	1	0	ZhuS02 [665]
Ming Qin	1	12	QinWLS21 [511]
Tianbao Qin	1	27	QinDCS20 [512]
Yang Qu	1	2	QuSN06 [513]
Yuchen Quan	1	2	ShiYXQ22 [549]
Joseba Quevedo	1	17	EscobetPQPRA19 [201]
Alain Quilliot	1	0	ArtiguesHQT21 [32]
Claude-Guy Quimper	1	0	FahimiQ23 [207]
Dominik R. Bleidorn	1	3	KlankeBYE21 [346]
Aliza R. Heching	1	10	HechingH16 [288]
Gregg R. Rabideau	1	0	HebrardALLCMR22 [285]
Camino R. Vela	1	0	AfsarVPG23 [8]
Chandra Reddy	1	1	DavenportKRS07 [165]
Francisco Regis Abreu Gomes	1	1	GomesM17 [255]
Yaping Ren	1	100	MengZRZL20 [435]
Andrea Rendl	1	14	RendlPHPR12 [516]
Hamid Reza Feyzmahdavian	1	2	Astrand0F21 [36]
Vahid Riahi	1	0	RiahiNS018 [517]
Diane Riopel	1	84	KhayatLR06 [343]
Gregory Rix	1	1	PesantRR15 [498]
Geraldo Robson Mateus	1	1	GomesM17 [255]
Robert Rodosek	1	19	RodosekW98 [518]
Brian Rodrigues	1	5	LimRX04 [389]
Joaquín Rodríguez	1	117	Rodríguez07 [520]
Joaquin Rodriguez	1	0	RodriguezDG02 [519]
Jerome Rogerie	1	148	LaborieRSV18 [372]
Mohammad Rohaninejad	1	0	Mehdizadeh-Somarin23 [430]
Maximiliano Rojel	1	0	YuraszeckMCCR23 [651]
Juli Romera	1	17	EscobetPQPRA19 [201]
Roberto Rossi	1	6	RossiTHP07 [524]
François Roubellat	1	84	ArtiguesR00 [33]
Stéphanie Roussel	1	0	SquillaciPR23 [564]
Didier Rozzonelli	1	0	JourdanFRD94 [326]
Pascal Rubini	1	0	CatusseCBL16 [139]
Hana Rudová	1	2	MurinR19 [452]
Rubén Ruiz	1	2	NaderiRR23 [460]
Martin Ruskowski	1	1	ParkUJR19 [493]
Anna Ryabokon	1	3	FriedrichFMRSS14 [220]
William S. Havens	1	2	DilkinaDH05 [182]
Mohamed S. Gheith	1	1	AbohashimaEG21 [2]
Gregory S. Zaric	1	3	NaderiBZ22a [456]
David Sacramento	1	2	SacramentoSP20 [526]
Shahram Saeidi	1	1	AlizdehS20 [16]
Abderrahim Sahlí	1	3	CarlierSJP21 [136]
Poonam Saini	1	3	PandeyS21a [489]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Fabio Salassa	1	0	AlfieriGPS23 [15]
Amir Salehipour	1	0	EtminaniesfahaniGNMS22 [202]
Sophia Saller	1	2	KoehlerBFFHPSSS21 [348]
Anastasia Salyaeva	1	2	KoehlerBFFHPSSS21 [348]
Guido Sand	1	381	HarjunkoskiMBC14 [279]
Maria Sander	1	3	FriedrichFMRSS14 [220]
Eric Sanlaville	1	7	PoderBS04 [501]
Óscar Sapena	1	22	GarridoOS08 [228]
Özge Satir Akpunar	1	0	IsikYA23 [321]
Abdul Sattar	1	0	RiahiNS018 [517]
Peter Scheiblechner	1	2	KoehlerBFFHPSSS21 [348]
Klaus Schild	1	23	SchildW00 [532]
Thomas Schlechte	1	10	HeinzSSW12 [292]
Thorsten Schmidt	1	1	BenderWS21 [84]
Günter Schmidt	1	38	BlazewiczEP19 [97]
Alexander Schnell	1	24	SchnellH15 [533]
Philipp Schrott-Kostwein	1	0	KovacsTKSG21 [361]
Uwe Schwiagelshohn	1	4	LimtanyakulS12 [393]
Lena Secher Ejlersen	1	41	PourDERB18 [505]
Evgeny Selensky	1	0	BeckPS03 [69]
Thiago Serra	1	0	SerraNM12 [546]
Mei Sha	1	27	QinDCS20 [512]
Yufen Shao	1	48	GoelSHFS15 [248]
Xinyu Shao	1	2	ChenGPSH10 [146]
Ganquan Shi	1	2	ShiYXQ22 [549]
Zhongshun Shi	1	12	QinWLSL21 [511]
Leyuan Shi	1	12	QinWLSL21 [511]
Stuart Siegel	1	1	DavenportKRSH07 [165]
Maria Silvia Pini	1	1	GelainPRVW17 [239]
Vanessa Simard	1	0	BoudreaultSLQ22 [117]
Pawel Sitek	1	0	WikarekS19 [634]
M. Slusky	1	48	GoelSHFS15 [248]
Kate Smith-Miles	1	3	EdwardsBSE19 [193]
Juha-Pekka Soininen	1	2	QuSN06 [513]
Junbo Son	1	1	ZhuSZW23 [666]
Xiaoqing Song	1	1	ZhangLS12 [661]
Shahabeddin Sotudian	1	55	ZarandiASC20 [654]
Francis Sourd	1	7	SourdN00 [563]
Helge Spieker	1	6	MossigeGSMC17 [448]
Samuel Squillaci	1	0	SquillaciPR23 [564]
Andreas Starzacher	1	3	FriedrichFMRSS14 [220]
Wolfgang Steigerwald	1	0	GeitzGSSW22 [238]
Rüdiger Stephan	1	10	HeinzSSW12 [292]
Malgorzata Sterna	1	38	BlazewiczEP19 [97]
Robin Stöhr	1	0	GeitzGSSW22 [238]
Christian Stürck	1	0	HubnerGSV21 [318]
Kaile Su	1	0	RiahiNS018 [517]
Wei Su	1	1	MakMS10 [419]
Kemal Subulan	1	5	SubulanC22 [565]
Premysl Sucha	1	2	BenediktSMVH18 [87]
Quanxin Sun	1	24	TangLWSK18 [574]
Zheng Sun	1	4	SunLYL10 [567]
Suresh Sundaram	1	12	SureshMOK06 [568]
Pavel Surynek	1	2	BartakCS10 [56]
Jirí Svancara	1	0	SvancaraB22 [569]

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Author	Nr Works	Nr Cites	Entries
Ria Szeredi	1	9	SzerediS16 [570]
Alina Sirbu	1	1	GalleguillosKSB19 [225]
Willian T. Lunardi	1	30	LunardiBLRV20 [413]
T. Taimre	1	0	ForbesHJST24 [217]
Yingcong Tan	1	1	TanT18 [572]
Siyu Tang	1	7	VlkHT21 [623]
Yuanjie Tang	1	24	TangLWSK18 [574]
Fabio Tardivo	1	0	TardivoDFMP23 [575]
Armagan Tarim	1	6	RossiTHP07 [524]
Ehsan Tarkesh Esfahani	1	0	YounespourAKE19 [645]
Nikolay Tchernev	1	4	BourreauGGIT22 [118]
Paolo Terenziani	1	1	BrusoniCLMMT96 [123]
Willian Tessaro Lunardi	1	0	Lunardi20 [414]
Stephan Teuschl	1	0	FrohnerTR19 [223]
Jordan Ticktin	1	0	HillTV21 [302]
Kevin Tierney	1	16	KelarevaTK13 [340]
Christian Timpe	1	42	Timpe02 [588]
Mary Tom	1	0	Tom19 [589]
Seyda Topaloglu	1	46	TopalogluO11 [590]
Miguel Toro	1	7	ValleMGT03 [605]
Philippe Torres	1	26	TorresL00 [591]
Meriem Touat	1	0	TouatBT22 [592]
Touraivane	1	2	Touraivane95 [593]
H������ Toussaint	1	0	ArtiguesHQT21 [32]
Mariem Trojet	1	11	TrojetHL11 [602]
Semra Tunali	1	31	OzturkTHO13 [488]
Paul Tyler	1	0	HebrardTW05 [287]
Jumyung Um	1	1	ParkUJR19 [493]
David Urbach	1	61	RoshanaeiLAU17 [522]
J. V. Moccellini	1	0	AbreuAPNM21 [166]
Sasha Van Cauwelaert	1	2	CauwelaertDS20 [142]
Alkis Vazacopoulos	1	0	AggounMV08 [10]
Thierry Vidal	1	58	BidotVLB09 [94]
Karen Villaverde	1	0	VillaverdeP04 [622]
Mariona Vil��	1	6	YuraszeckMPV22 [650]
Rebekka Volk	1	0	HubnerGSV21 [318]
Holger Voos	1	30	LunardiBLRV20 [413]
Thomas W. M. Vossen	1	0	HillTV21 [302]
Kai Waelti	1	2	KoehlerBFFHPSSS21 [348]
Runsen Wang	1	12	QinWSLS21 [511]
Futian Wang	1	24	TangLWSK18 [574]
Shouyang Wang	1	49	ZhangW18 [660]
Tao Wang	1	36	WangMD15 [630]
Yi Wang	1	8	GuoHLW20 [268]
Ezra Wari	1	11	WariZ19 [631]
John Wassick	1	381	HarjunkoskiMBC14 [279]
Jan Weglarz	1	38	BlazewiczEP19 [97]
Kong Wei Lye	1	0	LauLN08 [378]
Johan Wess��n	1	2	WessenCS20 [633]
Rados��aw Wichniarek	1	0	CzerniachowskaWZ23 [159]
Jaroslav Wikarek	1	0	WikarekS19 [634]
Campbell Wilson	1	6	He0GLW18 [284]
Michael Winkler	1	10	HeinzSSW12 [292]
David Wittwer	1	1	BenderWS21 [84]
Keith Womer	1	113	LiW08 [386]

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Author	Nr Works	Nr Cites	Entries
Jianguo Wu	1	1	ZhuSZW23 [666]
Cheng-Hung Wu	1	14	NattafDYW19 [465]
Jörg Würtz	1	23	SchildW00 [532]
Quanshi Xia	1	13	ChuX05 [148]
Hegen Xiong	1	18	FanXG21 [210]
Zhou Xu	1	5	LimRX04 [389]
Yang Xu	1	2	ShiYXQ22 [549]
Tanya Y. Tang	1	6	TangB20 [573]
El Yaakoubi Anass	1	0	FallahiAC20 [209]
Hong Yan	1	8	HookerY02 [315]
Moli Yang	1	1	YangSS19 [644]
Zhouwang Yang	1	2	ShiYXQ22 [549]
Jia-Sheng Yao	1	2	HoYCLLC18 [303]
Min Yao	1	4	SunLYL10 [567]
Seung Yeob Shin	1	9	ShinBBHO18 [550]
Vassilios Yfantis	1	3	KlankeBYE21 [346]
Maryam Younespour	1	0	YounespourAKE19 [645]
Chunxia Yu	1	6	ZhangYW21 [659]
Xinghuo Yu	1	11	MartinPY01 [427]
Oleg Yu. Gusikhin	1	1	BarlattCG08 [52]
Claude Yugma	1	14	NattafDYW19 [465]
Peter Yun Zhang	1	8	TranPZLDB18 [597]
Pinar Yunusoglu	1	20	YunusogluY22 [648]
Marco Zaffalon	1	28	Darby-DowmanLMZ97 [163]
Boukhalfa Zahout	1	0	Zahout21 [652]
Stéphane Zampelli	1	3	DerrienPZ14 [180]
Bahram Zarrin	1	0	BarzegaranZP20 [61]
Shohre Zehtabian	1	0	EmdeZD22 [199]
Mengjie Zhang	1	0	abs-2402-00459 [469]
Haotian Zhang	1	0	ZhangJZL22 [657]
Luping Zhang	1	6	ZhangYW21 [659]
Chaoyong Zhang	1	100	MengZRZL20 [435]
Biao Zhang	1	100	MengZRZL20 [435]
Sicheng Zhang	1	49	ZhangW18 [660]
Xujun Zhang	1	1	ZhangLS12 [661]
Lihui Zhang	1	0	ZouZ20 [669]
Jiachen Zhang	1	0	ZhangBB22 [658]
Guoqing Zhang	1	0	NaderiBZ22 [457]
Xi Zhang	1	1	ZhuSZW23 [666]
Jinlian Zhou	1	0	ZhouGL15 [664]
Weihang Zhu	1	11	WariZ19 [631]
Jianjun Zhu	1	0	GuoZ23 [269]
Xuedong Zhu	1	1	ZhuSZW23 [666]
Pawel Zielinski	1	13	FortinZDF05 [218]
Jürgen Zimmermann	1	25	KreterSSZ18 [364]
Xin Zou	1	0	ZouZ20 [669]
Mathijs de Weerdt	1	1	BogaerdtW19 [607]
Bruno de Athayde Prata	1	0	AbreuAPNM21 [166]
Alexis de Clercq	1	0	Clercq12 [169]
Roman van der Krogt	1	2	KrogtLPHJ07 [608]
Pim van den Bogaerdt	1	1	BogaerdtW19 [607]
Willem-Jan van Hoeve	1	12	HookerH17 [314]
F.A. van der Schoot	1	0	ForbesHJST24 [217]
Stefano Di Alesio	1	3	AlesioNBG14 [181]
Ulas Özen	1	8	TerekhovDOB12 [580]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Selin Özpeynirci	1	31	GokgurHO18 [249]
Cemalettin Öztürk	1	31	OzturkTHO13 [488]
Nahum Álvarez	1	0	PovedaAA23 [506]
Seán Óg Murphy	1	1	MurphyMB15 [453]
Gizem Çakir	1	5	SubulanC22 [565]
Krzysztof Żywicki	1	0	CzerniachowskaWZ23 [159]

5 Most Cited Works

Table 9: Works from bibtex (Total 30)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
JainM99 JainM99	A. Jain, S. Meeran	Deterministic job-shop scheduling: Past, present and future	Yes	[322]	1999	European Journal of Operational Research	45	490	150	1352	1753
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	[279]	2014	Computers Chemical Engineering	33	381	176	1335	1649
BlazewiczDP96 BlazewiczDP96	J. Błażewicz, W. Domschke, E. Pesch	The job shop scheduling problem: Conventional and new solution techniques	Yes	[125]	1996	European Journal of Operational Research	33	344	127	1278	1762
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[313]	2003	Mathematical Programming Book	28	317	0	1347	1729
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	[323]	2001	INFORMS Journal on Computing	19	279	23	1351	1738
AggounB93 AggounB93	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	Yes	[9]	1993	Mathematical and Computer Modelling Book	17	187	11	1247	1767
Hooker00 Hooker00	John N. Hooker	Logic Based Methods for Optimization: Combining Optimization and Constraint Satisfaction	No	[304]	2000	Book	null	185	0	No	n/a
Hooker07 Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	Yes	[309]	2007	Operations Research	29	181	19	1345	1715
HarjunkoskiG02 HarjunkoskiG02	I. Harjunkoski, Ignacio E. Grossmann	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods	Yes	[278]	2002	Computers Chemical Engineering	20	169	11	1334	1733
BeldiceanuC94 BeldiceanuC94	N. Beldiceanu, E. Contejean	Introducing Global Constraints in CHIP	Yes	[78]	1994	Mathematical and Computer Modelling	27	167	8	1271	1765
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	[372]	2018	Constraints An Int. J.	41	148	35	1370	1610
Laborie03 Laborie03	P. Laborie	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results	Yes	[369]	2003	Artificial Intelligence	38	128	10	1369	1731
OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[483]	2009	Constraints An Int. J.	35	127	15	1417	1702
KuB16 KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	Yes	[365]	2016	Computers Operations Research	9	119	17	1367	1630
Rodriguez07 Rodriguez07	J. Rodriguez	A constraint programming model for real-time train scheduling at junctions	Yes	[520]	2007	Transportation Research Part B: Methodological	15	117	6	1430	1716
LiW08 LiW08	H. Li, K. Womer	Scheduling projects with multi-skilled personnel by a hybrid MILP/CP benders decomposition algorithm	Yes	[386]	2008	Journal of Scheduling	18	113	31	1374	1708
CorreaLR07 CorreaLR07	Ayoub Insa Corréa, A. Langevin, L. Rousseau	Scheduling and routing of automated guided vehicles: A hybrid approach	Yes	[158]	2007	Computers Operations Research	20	106	20	1296	1714
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	[435]	2020	Computers Industrial Engineering	13	100	62	1393	1574
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	Yes	[91]	1999	Constraints An Int. J.	7	99	0	1276	1752

Table 9: Works from bibtex (Total 30)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[490]	1994	Intelligent Systems Engineering	34	98	0	1421	1766
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[625]	1996	Constraints An Int. J.	30	87	55	1466	1764
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[184]	1990	J. Log. Program.	19	86	9	1300	1769
KhayatLR06 KhayatLR06	Ghada El Khayat, A. Langevin, D. Riopel	Integrated production and material handling scheduling using mathematical programming and constraint programming	Yes	[343]	2006	European Journal of Operational Research	15	84	14	1359	1719
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	1252	1741
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[529]	2000	Constraints An Int. J.	30	73	0	1437	1747
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	Yes	[594]	2016	INFORMS Journal on Computing	13	72	28	1459	1633
GombolayWS18 GombolayWS18	Matthew C. Gombolay, Ronald J. Wilcox, Julie A. Shah	Fast Scheduling of Robot Teams Performing Tasks With Temporospatial Constraints	Yes	[253]	2018	IEEE Transactions on Robotics	20	71	75	1321	1606
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[306]	2005	Constraints An Int. J.	17	68	11	1343	1724
Thorsteinsson01 Thorsteinsson01	Erlendur S. Thorsteinsson	Branch-and-Check: A Hybrid Framework Integrating Mixed Integer Programming and Constraint Logic Programming	Yes	[587]	2001	CP 2001	15	67	12	597	934

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 [565]		HoundjiSW19 [316], abs-1902-01193 [14]
Concepts	activity	TardivoDFMP23 [575], AalianPG23 [1], PenzDN23 [495], PovedaAA23 [506], TouatBT22 [592], CampeauG22 [128], SubulanC22 [565], SvancaraB22 [569], BenderWS21 [84], KlankeBYE21 [346], HubnerGSV21 [318], Astrand21 [35], Godet21a [246], BadicaBI20 [39], ZouZ20 [669], ThomasKS20 [586], ZarandiASC20 [654], CauwelaertDS20 [142], HauderBRPA20 [283], Polo-MejiaALB20 [503], AstrandJZ20 [38], Caballero19 [126], BadicaBIL19 [40], abs-1902-09244 [282], abs-1911-04766 [235], GeibingerMM19 [236], NattafHKAL19 [466], MurinR19 [452], YounespourAKE19 [645]... (Total: 165)	YuraszeckMCCR23 [651], Bit-Monnot23 [96], AfsarVPG23 [8], BoudreaultSLQ22 [117], PopovicCGNC22 [504], AntunesABD20 [20], LunardiBLRV20 [413], Lunardi20 [414], Hooker19 [312], YangSS19 [644], EscobetPQPRA19 [201], Novas19 [474], ShinBBHO18 [550], SchuttS16 [543], TranWDRFOVB16 [601], BoothNB16 [114], VilimLS15 [621], Derrien15 [178], GoelSHFS15 [248], DoulabiRP14 [189], HarjunkskiMBC14 [279], LombardiM13 [406], LombardiMB13 [407], BonfiettiM12 [112], Clercq12 [169], ChapadosJR11 [145], Wolf11 [638], ZibranR11 [667], SchuttFSW09 [538]... (Total: 49)	PrataAN23 [509], GuoZ23 [269], CzerniachowskaWZ23 [159], ShaikhK23 [547], JuvinHL23a [331], abs-2312-13682 [497], SquillaciPR23 [564], abs-2305-19888 [296], PerezGSL23 [496], HeinzNVH22 [295], PohlAK22 [502], abs-2211-14492 [566], HebrardALLCMR22 [285], OuelletQ22 [486], MullerMKP22 [451], EtminaniesfahaniGNMS22 [202], JuvinHL22 [329], YunusogluY22 [648], Groleaz21 [261], ZhangYW21 [659], HillTV21 [302], Zahout21 [652], GeibingerMM21 [237], PandeyS21a [489], Astrand0F21 [36], RoshanaeiBAUB20 [521], QinDCS20 [512], Mercier-AubinGQ20 [437], SacramentoSP20 [526]... (Total: 92)
Concepts	batch process	LacknerMMWW23 [374], LacknerMMWW21 [373], QinWSLS21 [511], ZarandiASC20 [654], NovaraNH16 [473], HamC16 [276], KoschB14 [353], HarjunkskiMBC14 [279], Malapert11 [420]	TangB20 [573], NovasH10 [475], Vilim02 [612], SimonisC95 [561]	PrataAN23 [509], IsikYA23 [321], YuraszeckMCCR23 [651], Adelgren2023 [7], YunusogluY22 [648], MullerMKP22 [451], SvancaraB22 [569], OujanaAYB22 [487], EmdeZD22 [199], LuoB22 [416], LiFJZLL22 [387], ColT22 [160], AbreuN22 [167], GeitzGSSW22 [238], FanXG21 [210], ZhangYW21 [659], KlankeBYE21 [346], Lunardi20 [414], CauwelaertDS20 [142], MengZRZL20 [435], EscobetPQPRA19 [201], Ham18 [273], FahimiOQ18 [206], Ham18a [274], LaborieRSV18 [372], Fahimi16 [205], CauwelaertDMS16 [140], Dejemeppe16 [172], Froger16 [222]... (Total: 36)
Concepts	bill of material			
Concepts	buffer-capacity	SureshMOK06 [568]		
Concepts	cmax	ZhuSZW23 [666], Fatemi-AnarakiTFV23 [212], JuvinHHL23 [328], YuraszeckMCCR23 [651], AbreuNP23 [168], YuraszeckMC23 [649], KameugneFND23 [336], NaderiRR23 [460], abs-2305-19888 [296], IsikYA23 [321], YunusogluY22 [648], FetgoD22 [214], JuvinHL22 [329], ZhangBB22 [658], EtminaniesfahaniGNMS22 [202], AbreuN22 [167], abs-2211-14492 [566], Godet21a [246], QinWSLS21 [511], Groleaz21 [261], AbohashimaEG21 [2], ArmstrongGOS21 [26], Polo-MejiaALB20 [503], QinDCS20 [512], MejiaY20 [431], MengZRZL20 [435], GodetLHS20 [247], Lunardi20 [414], WikarekS19 [634]... (Total: 64)	Mehdizadeh-Somarin23 [430], BoudreaultSLQ22 [117], MullerMKP22 [451], ArmstrongGOS22 [27], HamPK21 [275], AbreuAPNM21 [166], ArkhipovBL19 [25], ParkUJR19 [493], Novas19 [474], ArbaouiY18 [24], GrimesH15 [258], WangMD15 [630], ZhouGL15 [664], MenciaSV13 [434], MenciaSV12 [433], ZhangLS12 [661], BeckFW11 [66], BartakSR10 [58], MoffittPP05 [442], Muscettola02 [454], ArtiguesR00 [33], SourdN00 [563]	JuvinHL23 [330], Teppan22 [579], ZhangYW21 [659], HanenKP21 [277], HubnerGSV21 [318], ZarandiASC20 [654], GokgurHO18 [249], LiuCGM17 [396], BofilCSV17 [103], SialaAH15 [553], SchnellH15 [533], KoschB14 [353], Letort13 [382], MalapertCGJLR13 [422], LombardiMB13 [407], SchuttFSW13 [541], TerekhovDOB12 [580], GuSW12 [267], Schutt11 [534], abs-1009-0347 [539], WatsonB08 [632], LiessM08 [388], AkkerDH07 [606], Kerik07 [342], KhayatLR06 [343], Laborie03 [369], BaptisteP00 [49], FocacciLN00 [215]

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	completion-time	PrataAN23 [509], JuvinHL23 [330], AbreuNP23 [168], Mehdizadeh-Somarin23 [430], PenzDN23 [495], ZhuSZW23 [666], Fatemi-AnarakiTFV23 [212], AlfieriGPS23 [15], NaderiRR23 [460], KameugneFND23 [336], AbreuPNF23 [3], YuraszeckMPV22 [650], JuvinHL22 [329], EmdeZD22 [199], AbreuN22 [167], YunusogluY22 [648], SubulanC22 [565], OuelletQ22 [486], NaderiBZ22 [457], FetgoD22 [214], KlankeBYE21 [346], Astrand21 [35], Bedhief21 [74], ArmstrongGOS21 [26], Groleaz21 [261], MejiaY20 [431], LunardiBLRV20 [413], QinDCS20 [512], CauwelaertDS20 [142]... (Total: 88)	CzerniachowskaWZ23 [159], abs-2305-19888 [296], AfsarVPG23 [8], MullerMKP22 [451], ColT22 [160], Teppan22 [579], NaderiBZ22a [456], ZhangBB22 [658], TouatBT22 [592], OujanaAYB22 [487], HeinzNVH22 [295], abs-2211-14492 [566], LiFJZLL22 [387], AbreuAPNM21 [166], HanenKP21 [277], FanXG21 [210], GeibingerMM21 [237], QinWSLS21 [511], NattafM20 [467], Mercier-AubinGQ20 [437], Polo-MejiaALB20 [503], YangSS19 [644], abs-1902-09244 [282], BogaerdtW19 [607], abs-1911-04766 [235], MalapertN19 [423], GeibingerMM19 [236], ParkUJR19 [493], Ham18 [273]... (Total: 60)	abs-2402-00459 [469], TasselGS23 [576], MontemanniD23a [446], AkramNHRSa23 [13], IsikYA23 [321], abs-2306-05747 [577], PerezGSL23 [496], JuvinHHL23 [328], Adelgren2023 [7], FarsiTM22 [211], PopovicCGNC22 [504], PohlAK22 [502], GeitzGSSW22 [238], CampeauG22 [128], ZhangJZL22 [657], WinterMMW22 [635], ArmstrongGOS22 [27], HubnerGSV21 [318], Zahout21 [652], VlkHT21 [623], Godet21a [246], PandeyS21a [489], HamPK21 [275], WessenCS20 [633], BadicaBI20 [39], MengZRL20 [435], MokhtarzadehTNF20 [443], HauderBRPA20 [283], AntuoriHHEN20 [21]... (Total: 109)
Concepts	continuous-process	HarjunkoskiMBC14 [279]		FarsiTM22 [211], Dejemeppe16 [172], GaySS14 [232], Bartak02 [54], SimonisC95 [561]
Concepts	distributed	PrataAN23 [509], GuoZ23 [269], NaderiRR23 [460], Zahout21 [652], ZarandiASC20 [654], MengZRLZ20 [435], He0GLW18 [284], GombolayWS18 [253], TranPZLDB18 [597], RoshanaeiLAU17 [522], BridiLBBM16 [121], BridiBLMB16 [120], ZhouGL15 [664], TerekhovTDB14 [581], BonfiettiLM14 [111], BartakS11 [57], BartakSR10 [58], LombardiMRB10 [408], WuBB09 [643], RuggieroBBMA09 [525], HoeveGSL07 [609], RossiTHP07 [524], BeckW07 [73], SureshMOK06 [568], GomesHS06 [254], Geske05 [241], BeckW04 [71], Beck99 [62], LammaMM97 [377]	IsikYA23 [321], ShaikhK23 [547], AbreuNP23 [168], AbreuPNF23 [3], OujanaAYB22 [487], JungblutK22 [327], NaderiBZ22a [456], AbreuN22 [167], YuraszeckMPV22 [650], ElciOH22 [195], Godet21a [246], AbreuAPNM21 [166], MokhtarzadehTNF20 [443], RoshanaeiBAUB20 [521], ZouZ20 [669], Caballero19 [126], NishikawaSTT19 [472], BorghesiBLMB18 [115], ZhangW18 [660], GomesM17 [255], BlomPS16 [100], ZarandiKS16 [653], GrimesH15 [258], HarjunkoskiMBC14 [279], AlesioNBG14 [181], BlomBPS14 [99], LombardiMB13 [407], TranTDB13 [598], BegB13 [75]... (Total: 41)	abs-2402-00459 [469], YuraszeckMC23 [649], KimCMLLP23 [345], JuvinHHL23 [328], AbreuPNF23 [3], ZhangJZL22 [657], SubulanC22 [565], TouatBT22 [592], YuraszeckMPV22 [650], MullerMKP22 [451], ElciOH22 [195], Astrand21 [35], KlankeBYE21 [346], HubnerGSV21 [318], Bedhief21 [74], KovacsTKSG21 [361], VlkHT21 [623], Zahout21 [652], HanenKP21 [277], LunardiBLRV20 [413], MejiaY20 [431], Polo-MejiaALB20 [503], GroleazNS20 [263], AstrandJZ20 [38], Hooker19 [312], ParkUJR19 [493], EscobetPQPRA19 [201], GokgurHO18 [249], GedikKEK18 [233]... (Total: 84)
Concepts	due-date	AfsarVPG23 [8], OujanaAYB22 [487], ColT22 [160], NaderiBZ22 [457], FanXG21 [210], AntuoriHHEN21 [22], Groleaz21 [261], Lunardi20 [414], AntunesABD20 [20], AntuoriHHEN20 [21], ZarandiASC20 [654], TangB20 [573], Mercier-AubinGQ20 [437], HauderBRPA20 [283], HoundjiSW19 [316], abs-1902-09244 [282], Novas19 [474], abs-1911-04766 [235], GoldwaserS18 [251], Tesch18 [583], GoldwaserS17 [250], Fahimi16 [205], Dejemeppe16 [172], NovaraNH16 [473], BajestaniB15 [43], HarjunkoskiMBC14 [279], DoulabiRP14 [189], KoschB14 [353], HoundjiSWD14 [317]... (Total: 58)	PrataAN23 [509], LacknerMMWW23 [374], IsikYA23 [321], NaderiRR23 [460], YunusogluY22 [648], abs-2211-14492 [566], WinterMMW22 [635], Godet21a [246], LacknerMMWW21 [373], GeibingerMM21 [237], GroleazNS20a [262], GeibingerMM19 [236], AntunesABD18 [19], FahimiOQ18 [206], CatusseCBL16 [139], ZarandiKS16 [653], GrimesH15 [258], GrimesIOS14 [260], HeinzSB13 [294], CobanH11 [153], GrimesH11 [257], Malapert11 [420], LombardiM10a [402], MakMS10 [419], Lombardi10 [398], SchuttW10 [544], Davenport10 [164], ThiruvadyBME09 [584], abs-0907-0939 [499]... (Total: 45)	abs-2402-00459 [469], YuraszeckMC23 [649], KimCMLLP23 [345], JuvinHHL23 [328], AbreuPNF23 [3], ZhangJZL22 [657], SubulanC22 [565], TouatBT22 [592], YuraszeckMPV22 [650], MullerMKP22 [451], ElciOH22 [195], Astrand21 [35], KlankeBYE21 [346], HubnerGSV21 [318], Bedhief21 [74], KovacsTKSG21 [361], VlkHT21 [623], Zahout21 [652], HanenKP21 [277], LunardiBLRV20 [413], MejiaY20 [431], Polo-MejiaALB20 [503], GroleazNS20 [263], AstrandJZ20 [38], Hooker19 [312], ParkUJR19 [493], EscobetPQPRA19 [201], GokgurHO18 [249], GedikKEK18 [233]... (Total: 84)

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	earliness	PrataAN23 [509], KimCMLLP23 [345], TouatBT22 [592], PohlAK22 [502], Groleaz21 [261], ZarandiASC20 [654], HauderBRPA20 [283], abs-1902-09244 [282], LaborieRSV18 [372], Dejemeppe16 [172], ZarandiKS16 [653], GrimesH15 [258], LombardiM12 [405], KelbelH11 [341], GrimesH11 [257], Laborie09 [370], MonetteDH09 [445], KeriK07 [342], DannaP03 [162], BeckR03 [70]	FarsiTM22 [211], MengZRZL20 [435], AntunesABD20 [20], TerekhovDOB12 [580], KovacsB11 [356], Davenport10 [164], Baptiste02 [44]	abs-2402-00459 [469], NaderiRR23 [460], AbreuNP23 [168], PenzDN23 [495], IsikYA23 [321], AlfieriGPS23 [15], LacknerMMWW23 [374], AbreuPNF23 [3], EtmianiesfahaniGNMS22 [202], YunusogluY22 [648], FanXG21 [210], LacknerMMWW21 [373], Polo-MejiaALB20 [503], Mercier-AubinGQ20 [437], ColT19 [156], GokgurHO18 [249], AntunesABD18 [19], ZhangW18 [660], German18 [240], NovaraNH16 [473], KuB16 [365], Siala15a [552], VilimLS15 [621], LimBTBB15 [391], SialaAH15 [553], HarjunkskiMBC14 [279], BajestaniB13 [42], HeinzB12 [290], EdisO11 [191]... (Total: 44)
Concepts	flow-shop	PrataAN23 [509], CzerniachowskaWZ23 [159], NaderiRR23 [460], AlfieriGPS23 [15], IsikYA23 [321], JuvinHL23 [330], AbreuNP23 [168], AbreuPNF23 [3], ArmstrongGOS22 [27], OujanaAYB22 [487], ColT22 [160], ZhangJZL22 [657], AbreuN22 [167], LiFJZLL22 [387], Astrand21 [35], QinWSLS21 [511], ArmstrongGOS21 [26], Bedhief21 [74], Groleaz21 [261], AbreuAPNM21 [166], ZarandiASC20 [654], MengZRZL20 [435], Lunardi20 [414], AstrandJZ20 [38], Novas19 [474], ParkUJR19 [493], ZhangW18 [660], ZhouGL15 [664], GrimesH15 [258]... (Total: 37)	JuvinHL23a [331], Mehdizadeh-Somarin23 [430], NaderiBZ22 [457], YuraszeckMPV22 [650], JuvinHL22 [329], Godet21a [246], KoehlerBFFHPSSS21 [348], FanXG21 [210], HauderBRPA20 [283], TangB20 [573], abs-1902-09244 [282], GombolayWS18 [253], LaborieRSV18 [372], Fahimi16 [205], Dejemeppe16 [172], GuyonLPR12 [271], GrimesH11 [257], KovacsB11 [356], BartakSR10 [58], JainM99 [322], AggounB93 [9]	TasselGS23 [576], AalianPG23 [1], YuraszeckMCCR23 [651], abs-2305-19888 [296], JuvinHHL23 [328], abs-2306-05747 [577], AfsarVPG23 [8], NaderiBZ22a [456], abs-2211-14492 [566], TouatBT22 [592], HeinzNVH22 [295], Teppan22 [579], LacknerMMWW21 [373], HillTV21 [302], Zahout21 [652], abs-2102-08778 [155], KovacsTKSG21 [361], PandeyS21a [489], HamPK21 [275], WallaceY20 [627], SacramentoSP20 [526], LunardiBLRV20 [413], WikarekS19 [634], RiahiNS018 [517], TanT18 [572], GokgurHO18 [249], GoldwaserS18 [251], HookerH17 [314], Nattaf16 [461]... (Total: 63)
Concepts	flow-time	PenzDN23 [495], EmdeZD22 [199], YuraszeckMPV22 [650], FanXG21 [210], ZarandiASC20 [654], NattafM20 [467], MalapertN19 [423], ZhangW18 [660], TerekhovTDB14 [581], TranTDB13 [598], WuBB09 [643], Baptiste02 [44]	PrataAN23 [509], AlfieriGPS23 [15], YunusogluY22 [648], Malapert11 [420], BeckW07 [73]	TasselGS23 [576], abs-2306-05747 [577], YuraszeckMC23 [649], YuraszeckMCCR23 [651], LiFJZLL22 [387], AbreuN22 [167], KoehlerBFFHPSSS21 [348], MengZRZL20 [435], ParkUJR19 [493], Novas19 [474], BajestaniB15 [43], MenciaSV13 [434], MenciaSV12 [433], KovacsB11 [356], EdisO11 [191], QuirogaZH05 [514], BeckPS03 [69], BeckR03 [70]
Concepts	inventory	GuoZ23 [269], SubulanC22 [565], Astrand21 [35], German18 [240], GilesH16 [243], GoelSHFS15 [248], HarjunkskiMBC14 [279], TerekhovDOB12 [580], SerraNM12 [546], LopesCSM10 [409], Jans09 [324], RossiTHP07 [524], Timpe02 [588], Beck99 [62], BeckDF97 [65]	Adelgren2023 [7], EmdeZD22 [199], ZarandiASC20 [654], Novas19 [474], Hooker19 [312], Ham18a [274], BajestaniB13 [42], MakMS10 [419], LauLN08 [378], MouraSCL08a [449], DavenportKRS07 [165], GarganiR07 [226], BeckF00 [68], Simonis99 [558], BlazewiczDP96 [125], Simonis95a [556]	PrataAN23 [509], PerezGSL23 [496], ZhuSZW23 [666], abs-2312-13682 [497], AlfieriGPS23 [15], GurPAE23 [270], AbreuN22 [167], PohlAK22 [502], YunusogluY22 [648], Groleaz21 [261], HubnerGSV21 [318], KovacsTKSG21 [361], GroleazNS20a [262], GroleazNS20 [263], HauderBRPA20 [283], HoundjiSW19 [316], abs-1902-09244 [282], YounespourAKE19 [645], WikarekS19 [634], Ham18 [273], LaborieRSV18 [372], ShinBBHO18 [550], GomesM17 [255], Nattaf16 [461], SchuttS16 [543], Froger16 [222], SimoninAHL15 [555], TerekhovTDB14 [581], HoundjiSWD14 [317]... (Total: 51)

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	job	PrataAN23 [509], ForbesHJST24 [217], abs-2402-00459 [469], KimCMLLP23 [345], JuvinHHL23 [328], AlfieriGPS23 [15], PenzDN23 [495], YuraszeckMC23 [649], AbreuNP23 [168], IsikYA23 [321], WangB23 [629], LacknerMMWW23 [374], Bit-Monnot23 [96], CzerniachowskaWZ23 [159], abs-2306-05747 [577], NaderiRR23 [460], JuvinHL23 [330], ZhuSZW23 [666], TasselGS23 [576], JuvinHL23a [331], Fatemi-AnarakiTFV23 [212], Mehdizadeh-Somarin23 [430], YuraszeckMCCR23 [651], AbreuPNF23 [3], AfsarVPG23 [8], LiFJZLL22 [387], TouatBT22 [592], YunusogluY22 [648], GeitzGSSW22 [238]... (Total: 263)	EfthymiouY23 [194], ShaikhK23 [547], abs-2305-19888 [296], Adelgren2023 [7], HeinzNVH22 [295], BourreauGGLT22 [118], LuoB22 [416], HanenKP21 [277], Lemos21 [381], RoshanaeiBAUB20 [521], Mercier-AubinGQ20 [437], MokhtarzadehTNF20 [443], Tom19 [589], ArkhipovBL19 [25], EscobetPQPRA19 [201], GurEA19 [670], German18 [240], PourDERB18 [505], CappartS17 [129], NattafAL17 [463], RoshanaeiLAU17 [522], ZarandiKS16 [653], Madi-WambaB16 [417], TranWDRFOVB16 [601], CatusseCBL16 [139], LetortCB15 [385], Derrien15 [178], ZhouGL15 [664], PraletLJ15 [508]... (Total: 58)	PovedaAA23 [506], GuoZ23 [269], CampeauG22 [128], PohlAK22 [502], KlankeBYE21 [346], HubnerGSV21 [318], AntuoriHHEN21 [22], BenderWS21 [84], WessenCS20 [633], AntuoriHHEN20 [21], QinDCS20 [512], Polo-MejiaALB20 [503], FrimodigS19 [221], CauwelaertLS18 [141], TangLWSK18 [574], HoYCLLC18 [303], BaptisteB18 [46], ShinBBHO18 [550], TranVNB17 [599], HechingH16 [288], NovaraNH16 [473], BurtLPS15 [124], WangMD15 [630], LimBTBB15 [391], BartakV15 [59], LombardiBM15 [399], MelgarejoLS15 [11], LouieVNB14 [412], BessiereHMQW14 [93]... (Total: 81)
Concepts	job-shop	abs-2402-00459 [469], PrataAN23 [509], abs-2306-05747 [577], JuvinHL23a [331], Mehdizadeh-Somarin23 [430], Fatemi-AnarakiTFV23 [212], ZhuSZW23 [666], KimCMLLP23 [345], CzerniachowskaWZ23 [159], JuvinHHL23 [328], Bit-Monnot23 [96], NaderiRR23 [460], AbreuNP23 [168], YuraszeckMCCR23 [651], TasselGS23 [576], AfsarVPG23 [8], MullerMKP22 [451], Teppan22 [579], NaderiBZ22a [456], OujanaAYB22 [487], ZhangBB22 [658], abs-2211-14492 [566], YuraszeckMPV22 [650], LiFJZLL22 [387], GeitzGSSW22 [238], ColT22 [160], JuvinHL22 [329], Astrand21 [35], HamPK21 [275]... (Total: 130)	PenzDN23 [495], IsikYA23 [321], EfthymiouY23 [194], AlfieriGPS23 [15], AbreuPNF23 [3], NaderiBZ22 [457], EtminaniesfahaniGNMS22 [202], TouatBT22 [592], YunusogluY22 [648], AbreuN22 [167], LuoB22 [416], QinWSLS21 [511], ArmstrongGOS21 [26], AstrandOF21 [36], KoehlerBFFHPSSS21 [348], Godet21a [246], GroleazNS20 [263], MejiaY20 [431], SacramentoSP20 [526], EscobetPQPRA19 [201], ArkhipovBL19 [25], WikarekS19 [634], GokgurHO18 [249], German18 [240], MossigeGSMC17 [448], CappartS17 [129], Derrien15 [178], BonfiettiLM14 [111], Kameugne14 [333]... (Total: 54)	ForbesHJST24 [217], ShaikhK23 [547], YuraszeckMC23 [649], PovedaAA23 [506], GuoZ23 [269], LacknerMMWW23 [374], JuvinHL23 [330], Adelgren2023 [7], EmdeZD22 [199], HanenKP21 [277], Lemos21 [381], Zahout21 [652], KlankeBYE21 [346], AntuoriHHEN21 [22], RoshanaeiBAUB20 [521], HauderBRPA20 [283], BenediktMH20 [86], WessenCS20 [633], AntuoriHHEN20 [21], Mercier-AubinGQ20 [437], WallaceY20 [627], Tom19 [589], Hooker19 [312], GurEA19 [670], FrimodigS19 [221], BogaerdW19 [607], abs-1902-09244 [282], ParkUJR19 [493], NattafDYW19 [465]... (Total: 102)
Concepts	lateness	Groleaz21 [261], FahimiOQ18 [206], Fahimi16 [205], Dejemeppe16 [172], KoschB14 [353], Malapert11 [420], BartakSR10 [58], Geske05 [241], Baptiste02 [44], ArtiguesR00 [33], BlazewiczDP96 [125]	PrataAN23 [509], PohlAK22 [502], ZarandiASC20 [654], AntunesABD20 [20], ZhangW18 [660], HarjunkoskiMBC14 [279], MilanoW09 [441], AkkerDH07 [606], MilanoW06 [440], Sadykov04 [527]	LacknerMMWW23 [374], YunusogluY22 [648], NaderiBZ22 [457], ZhangBB22 [658], GeitzGSSW22 [238], ColT22 [160], KoehlerBFFHPSSS21 [348], HanenKP21 [277], QinWSLS21 [511], LacknerMMWW21 [373], Godet21a [246], Lunardi20 [414], Novas19 [474], ArkhipovBL19 [25], ParkUJR19 [493], AntunesABD18 [19], Tesch18 [583], GrimesH15 [258], BartakV15 [59], MenciaSV13 [434], MenciaSV12 [433], TerekhovDOB12 [580], EdisO11 [191], ChenGPSH10 [146], NovasH10 [475], WuBB09 [643], SadykovW06 [528], Bartak02 [54], JainM99 [322]
Concepts	lazy clause generation	Caballero19 [126], KreterSSZ18 [364], KreterSS17 [363], Siala15a [552], KreterSS15 [362], SchuttFS13 [537], SchuttFSW13 [541], KelarevaTK13 [340], SchuttFS13a [536], Schutt11 [534], SchuttFSW11 [540], abs-1009-0347 [539], OhrimenkoSC09 [483], SchuttFSW09 [538]	PovedaAA23 [506], Bit-Monnot23 [96], BoudreaultSLQ22 [117], GeitzGSSW22 [238], OuelletQ22 [486], FahimiOQ18 [206], SchuttS16 [543], SzerediS16 [570], SialaAH15 [553], SchnellH15 [533], BofilLEGPSV14 [104], GuSS13 [265], SchuttCSW12 [535]	WangB23 [629], TardivoDFMP23 [575], KameugneFND23 [336], AbreuPNF23 [3], FetgoD22 [214], EtminaniesfahaniGNMS22 [202], GeibingerMM21 [237], Godet21a [246], HillTV21 [302], GodetLHS20 [247], WallaceY20 [627], Mercier-AubinGQ20 [437], YangSS19 [644], BaptisteB18 [46], GoldwaserS18 [251], YoungFS17 [646], BofilCSV17 [103], GoldwaserS17 [250], AmadiniGM16 [17], PesantRR15 [498], GuSW12 [267], LombardiM12 [405], GrimesH11 [257], Lombardi10 [398], SchuttW10 [544], MilanoW09 [441]

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	machine	abs-2402-00459 [469], PrataAN23 [509], Fatemi-AnarakiTFV23 [212], PenzDN23 [495], IsikYA23 [321], CzerniachowskaWZ23 [159], YuraszcekMCCR23 [651], JuvinHL23a [331], AbreuNP23 [168], NaderiRR23 [460], TasselGS23 [576], ZhuSZW23 [666], Mehdizadeh-Somarin23 [430], AalianPG23 [1], JuvinHL23 [330], GuoZ23 [269], PerezGSL23 [496], JuvinHHL23 [328], abs-2312-13682 [497], LacknerMMWW23 [374], EfthymiouY23 [194], abs-2306-05747 [577], AlfieriGPS23 [15], YuraszcekMC23 [649], abs-2305-19888 [296], KimCMLLP23 [345], AbreuPNF23 [3], Adelgren2023 [7], AfsarVPG23 [8]... (Total: 258)	ForbesHJST24 [217], Bit-Monnot23 [96], AkramNHRSa23 [13], GurPAE23 [270], EtminaniesfahaniGNMS22 [202], LuoB22 [416], ElciOH22 [195], HillTV21 [302], KlankeBYE21 [346], Lemos21 [381], AbohashimaEG21 [2], RoshanaeiBAUB20 [521], AntuoriHHEN20 [21], Polo-MejiaALB20 [503], BehrensLM19 [76], GoldwaserS18 [251], BaptisteB18 [46], He0GLW18 [284], Ham18 [273], ShinBBHO18 [550], MusliuSS18 [455], FahimiOQ18 [206], GoldwaserS17 [250], KreterSS17 [363], CohenHB17 [154], Pralet17 [507], BridiLBBM16 [121], SchuttS16 [543], CauwelaertDMS16 [140]... (Total: 69)	KameugneFND23 [336], MontemanniD23 [447], ShaikhK23 [547], BoudreaultSLQ22 [117], PopovicCGNC22 [504], SubulanC22 [565], PohlAK22 [502], ArtiguesHQT21 [32], GeibingerMM21 [237], WallaceY20 [627], WangB20 [628], BarzegaranZP20 [61], Mercier-AubinGQ20 [437], YangSS19 [644], ArkhipovBL19 [25], NattafHKAL19 [466], BadicaBIL19 [40], NishikawaSTT19 [472], Tom19 [589], YounespourAKE19 [645], KreterSSZ18 [364], HoYCLLC18 [303], AntunesABD18 [19], PourDERB18 [505], Laborie18a [371], CauwelaertLS18 [141], BofillCSV17 [103], CappartS17 [129], TranVNB17 [599]... (Total: 120)
Concepts	make to order			OujanaAYB22 [487], DavenportKRSH07 [165], Simonis07 [559]
Concepts	make to stock			HarjunkoskiMBC14 [279]
Concepts	make-span	PrataAN23 [509], JuvinHL23 [330], AbreuNP23 [168], EfthymiouY23 [194], PovedaAA23 [506], AlfieriGPS23 [15], JuvinHL23a [331], abs-2305-19888 [296], NaderiRR23 [460], TasselGS23 [576], Bit-Monnot23 [96], abs-2306-05747 [577], AalianPG23 [1], CzerniachowskaWZ23 [159], LacknerMMWW23 [374], JuvinHHL23 [328], YuraszcekMC23 [649], ZhuSZW23 [666], IsikYA23 [321], Mehdizadeh-Somarin23 [430], AbreuPNF23 [3], AfsarVPG23 [8], HeinzNVH22 [295], AbreuN22 [167], JuvinHL22 [329], GeitzGSSW22 [238], BoudreaultSLQ22 [117], YunusogluY22 [648], NaderiBZ22a [456]... (Total: 193)	YuraszcekMCCR23 [651], abs-2312-13682 [497], PerezGSL23 [496], KameugneFND23 [336], PenzDN23 [495], Adelgren2023 [7], MullerMKP22 [451], SvancaraB22 [569], OujanaAYB22 [487], ZhangJZL22 [657], abs-2211-14492 [566], YuraszcekMPV22 [650], LiFJZLL22 [387], PandeyS21a [489], FanXG21 [210], QinDCS20 [512], NattafDYW19 [465], Ham18a [274], AstrandJZ18 [37], KreterSS17 [363], YoungFS17 [646], RoshanaeiLAU17 [522], BonfiettiZLM16 [113], HamC16 [276], KuB16 [365], GingrasQ16 [244], SialaAH15 [553], DejemeppeCS15 [173], GayHLS15 [229]... (Total: 57)	NattafFM20 [467], SacramentoSP20 [526], NishikawaSTT19 [472], MurinR19 [452], abs-1911-04766 [235], NattafHKAL19 [466], BadicaBIL19 [40], Tom19 [589], GeibingerMM19 [236], NishikawaSTT18 [470], BorghesiBLMB18 [115]... (Total: 103)
Concepts	manpower	NovaraNH16 [473]	LaborieRSV18 [372], Froger16 [222]	BourreauGGLT22 [118], BadicaBI20 [39], MokhtarzadehTNF20 [443], HauderBRPA20 [283], WikarekS19 [634], BaptisteB18 [46], MusliuSS18 [455], SchuttS16 [543], HechingH16 [288], GayHS15a [231], GaySS14 [232], HarjunkoskiMBC14 [279], GuyonLPR12 [271], Clercq12 [169], LombardiM12 [405], SimonisH11 [562], Menana11 [432], Vilim11 [618], ChenGPSH10 [146], NovasH10 [475], Simonis99 [558], NuijtenP98 [479], SimonisC95 [561], Simonis95a [556], Puget95 [510], abs-2402-00459 [469], Mehdizadeh-Somarin23 [430], SquillaciPR23 [564], ZhuSZW23 [666], Fatemi-AnarakiTFV23 [212], AbreuAPNM21 [166], ZhangYW21 [659], MejiaY20 [431], WessenCS20 [633], WikarekS19 [634], BadicaBIL19 [40], ZhangW18 [660], HookerH17 [314], LimBTBB15 [391], KoschB14 [353], BartakS11 [57], Jans09 [324], GomesHS06 [254], AbrilSB05 [4], Beck99 [62], BeckF98 [67], Wallace96 [625], Pape94 [490], ColT22 [160], TouatBT22 [592], FanXG21 [210], Bedhief21 [74], Lunardi20 [414], MengZRZL20 [435], ParkUJR19 [493], NattafALR16 [464], TerekhovTDB14 [581], LombardiMRB10 [408], LiW08 [386], MonetteDD07 [444], BeckW07 [73], Baptiste02 [44], ArtiguesR00 [33]
Concepts	multi-agent	SvancaraB22 [569], Zahout21 [652], ZarandiASC20 [654], BehrensLM19 [76], He0GLW18 [284], GombolayWS18 [253], HoeveGSL07 [609]	Lemos21 [381], MokhtarzadehTNF20 [443], abs-1901-07914 [77], TranVNB17 [599], LimHTB16 [390], BartakSR10 [58], BocewiczBB09 [101]	
Concepts	no preempt			

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	open-shop	PrataAN23 [509], Bit-Monnot23 [96], AbreuNP23 [168], NaderiRR23 [460], AbreuPNF23 [3], YuraszeckMPV22 [650], AbreuN22 [167], AbreuAPNM21 [166], Groleaz21 [261], ZarandiASC20 [654], MejiaY20 [431], Lunardi20 [414], FahimiOQ18 [206], Fahimi16 [205], Siala15a [552], GrimesH15 [258], MalapertCGJLR13 [422], MalapertCGJLR12 [421], Malapert11 [420], GrimesHM09 [259], OhrimenkoSC09 [483], MonetteDD07 [444], Elkhyari03 [196], Baptiste02 [44], LorigeonBB02 [411], FocacciLN00 [215]	ZhuSZW23 [666], Godet21a [246], Astrand21 [35], SacramentoSP20 [526], MengZRZL20 [435], Dejemepe16 [172], TerekhovDOB12 [580], Schutt11 [534], GrimesH10 [256], Vilim05 [615], Demassey03 [175], JainM99 [322]	YuraszeckMCCR23 [651], YuraszeckMC23 [649], KimCMLLP23 [345], ShaikhK23 [547], AfsarVPG23 [8], NaderiBZ22 [457], EmdeZD22 [199], OujanaAYB22 [487], ColT22 [160], EtminaniesfahaniGNMS22 [202], Astrand0F21 [36], abs-2102-08778 [155], AstrandJZ20 [38], ParkUJR19 [493], GombolayWS18 [253], HookerH17 [314], SialaAH15 [553], Derrien15 [178], BonfiettiLM14 [111], AlesioNBG14 [181], BillautHL12 [95], SchuttFSW11 [540], GrimesH11 [257], ChenGPSH10 [146], BartakSR10 [58], SchuttFSW09 [538], ThiruvadyBME09 [584], LiW08 [386], VilimBC05 [620]... (Total: 36)
Concepts	order	abs-2402-00459 [469], PrataAN23 [509], ZhuSZW23 [666], GuoZ23 [269], JuvinHL23a [331], EfthymiouY23 [194], AbreuNP23 [168], AlfieriGPS23 [15], abs-2312-13682 [497], Fatemi-AnarakiTFV23 [212], CzerniachowskaWZ23 [159], TasselGS23 [576], AalianPG23 [1], abs-2306-05747 [577], Bit-Monnot23 [96], JuvinHL23 [330], WangB23 [629], KameugneFND23 [336], LacknerMMWW23 [374], PerezGSL23 [496], JuvinHHL23 [328], SquillaciPR23 [564], IsikYA23 [321], YuraszeckMCCR23 [651], KimCMLLP23 [345], PenzDN23 [495], PovedaAA23 [506], AbreuPNF23 [3], Adelgren2023 [7]... (Total: 398)	ForbesHJST24 [217], MontemanniD23a [446], ShaikhK23 [547], abs-2305-19888 [296], NaderiRR23 [460], TardivoDFMP23 [575], YuraszeckMC23 [649], GurPAE23 [270], OuelletQ22 [486], SvancaraB22 [569], ZhangBB22 [658], ArmstrongGOS22 [27], WinterMMW22 [635], ElciOH22 [195], HeinzNVH22 [295], JungblutK22 [327], TouatBT22 [592], BenderWS21 [84], GeibingerMM21 [237], HillTV21 [302], abs-2102-08778 [155], QinDCS20 [512], WallaceY20 [627], AntunesABD20 [20], ZouZ20 [669], TangB20 [573], ColT19 [156], BogaerdW19 [607], FrohnerTR19 [223]... (Total: 109)	MontemanniD23 [447], AkramNHRSA23 [13], Mehdizadeh-Somarin23 [430], JuvinHL22 [329], ZhangJZL22 [657], NaderiBZ22a [456], AbohashimaEG21 [2], ZhangYW21 [659], MokhtarzadehTNF20 [443], RoshanaeiBAUB20 [521], KucukY19 [368], abs-1902-01193 [14], GalleguillosKSB19 [225], ArbaouiY18 [24], BenediktSMVH18 [87], HeOGLW18 [284], TranVNB17a [600], Hooker17 [311], Bonfietti16 [106], SzerediS16 [570], HechingH16 [288], BridiLBBM16 [121], HurleyOS16 [319], CireCH16 [150], Derrien15 [178], GayHS15a [231], ThiruvadyWGS14 [585], Kameugne14 [333], DoulabiRP14 [189]... (Total: 64)
Concepts	precedence	abs-2402-00459 [469], PovedaAA23 [506], YuraszeckMCCR23 [651], NaderiRR23 [460], ZhuSZW23 [666], IsikYA23 [321], AlfieriGPS23 [15], JuvinHHL23 [328], NaderiBZ22a [456], FetgoD22 [214], PohlAK22 [502], CampeauG22 [128], YunusogluY22 [648], ZhangBB22 [658], EtminaniesfahaniGNMS22 [202], BoudreaultSLQ22 [117], Godet21a [246], GeibingerMM21 [237], HamPK21 [275], HanenKP21 [277], Astrand0F21 [36], Astrand21 [35], HillTV21 [302], KoehlerBFFHPSSS21 [348], FanXG21 [210], HubnerGSV21 [318], ArmstrongGOS21 [26], Groleaz21 [261], ZhangYW21 [659]... (Total: 171)	Bit-Monnot23 [96], KameugneFND23 [336], JuvinHL23a [331], TardivoDFMP23 [575], OujanaAYB22 [487], SubulanC22 [565], ColT22 [160], Zahout21 [652], VlKHT21 [623], AntuoriHHEN21 [22], WessenCS20 [633], MokhtarzadehTNF20 [443], QinDCS20 [512], GeibingerMM19 [236], Novas19 [474], abs-1911-04766 [235], ColT19 [156], BogaerdW19 [607], MurinR19 [452], Ham18 [273], KameugneFGOQ18 [335], TanT18 [572], Madi-WambaLOBM17 [418], MossigeGSMC17 [448], Madi-WambaB16 [417], KuB16 [365], AmadiniGM16 [17], GayHLS15 [229], VilimLS15 [621]... (Total: 76)	PrataAN23 [509], KimCMLLP23 [345], JuvinHL23 [330], TasselGS23 [576], abs-2305-19888 [296], Mehdizadeh-Somarin23 [430], abs-2306-05747 [577], YuraszeckMC23 [649], AfsarVPG23 [8], MullerMKP22 [451], WinterMMW22 [635], abs-2211-14492 [566], HeinzNVH22 [295], JuvinHL22 [329], EmdeZD22 [199], BourreauGGLT22 [118], ZhangJZL22 [657], GeitzGSSW22 [238], TouatBT22 [592], Lemos21 [381], KovacsTKSG21 [361], PandeyS21a [489], AbreuAPNM21 [166], AntunesABD20 [20], TangB20 [573], GroleazNS20a [262], BaptisteB18 [46], HeOGLW18 [284], OuelletQ18 [485]... (Total: 105)

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	preempt	JuvinHL23a [331], JuvinHHL23 [328], PovedaAA23 [506], SubulanC22 [565], JuvinHL22 [329], ArtiguesHQT21 [32], Groleaz21 [261], Godet21a [246], HanenKP21 [277], Polo-MejiaALB20 [503], ZarandiASC20 [654], NattafHKAL19 [466], BaptisteB18 [46], GokgurHO18 [249], FahimiOQ18 [206], Dejemeppe16 [172], ZarandiKS16 [653], Fahimi16 [205], NattafALR16 [464], EvenSH15 [203], EvenSH15a [204], AlesioNBG14 [181], LombardiMB13 [407], MenciaSV12 [433], LombardiM12 [405], BeldiceanuCDP11 [80], KovacsB11 [356], Schutt11 [534], BartakSR10 [58]... (Total: 40)	PrataAN23 [509], abs-2305-19888 [296], AbreuPNF23 [3], Adelgren2023 [7], OuelletQ22 [486], FetgoD22 [214], HeinzNVH22 [295], Zahout21 [652], Astrand21 [35], SacramentoSP20 [526], Mercier-AubinGQ20 [437], Lunardi20 [414], LunardiBLRV20 [413], ArkhipovBL19 [25], Caballero19 [126], GombolayWS18 [253], YoungFS17 [646], SchnellH15 [533], NattafAL15 [462], SimoninAHL15 [555], TerekhovTDB14 [581], OzturkTHO13 [488], MenciaSV13 [434], BajestaniB13 [42], SimoninAHL12 [554], GuyonLPR12 [271], SchuttFSW11 [540], Malapert11 [420], LombardiMRB10 [408]... (Total: 39)	NaderiRR23 [460], TasselGS23 [576], AalianPG23 [1], TardivoDFMP23 [575], YuraszeckMC23 [649], YuraszeckMCCR23 [651], KameugneFND23 [336], AkramNHRSA23 [13], AbreuNP23 [168], abs-2306-05747 [577], PenzDN23 [495], ZhuSZW23 [666], IsikYA23 [321], Mehdizadeh-Somarin23 [430], AfsarVPG23 [8], AbreuN22 [167], NaderiBZ22a [456], ZhangBB22 [658], TouatBT22 [592], Teppan22 [579], EtminaniesfahaniGNMS22 [202], GeitzGSSW22 [238], BoudreaultSLQ22 [117], ColT22 [160], MullerMKP22 [451], YunusogluY22 [648], OujanaAYB22 [487], JungblutK22 [327], Bedhief21 [74]... (Total: 153)
Concepts	producer/consumer	SchuttS16 [543], PoderBS04 [501], Kumar03 [367], Beck99 [62], SimonisC95 [561]	HermenierDL11 [300], BeldiceanuC02 [79], Simonis99 [558], Simonis95a [556]	GeitzGSSW22 [238], KlankeBYE21 [346], CappartTSR18 [130], BlomPS16 [100], LombardiM12a [404], Wolf11 [638], SimonisH11 [562], LombardiMRB10 [408], ChenGPSH10 [146], PoderB08 [500], Simonis07 [559], Timpe02 [588], SimonisCK00 [560], Simonis95 [557]
Concepts	re-scheduling	Fatemi-AnarakiTFV23 [212], Astrand21 [35], Lemos21 [381], HamPK21 [275], Groleaz21 [261], BarzegaranZP20 [61], ZarandiASC20 [654], ZhangW18 [660], Madi-WambaLOBM17 [418], CappartS17 [129], Froger16 [222], BartakV15 [59], HarjunkoskiMBC14 [279], GrimesIOS14 [260], TranTDB13 [598], BajestaniB13 [42], RendIPHPR12 [516], LombardiM12 [405], IfrimOS12 [320], NovasH10 [475], BidotVLB09 [94], Laborie03 [369], Baptiste02 [44], MartinPY01 [427], ArtiguesR00 [33]	Mehdizadeh-Somarin23 [430], NaderiBZ22a [456], Zahout21 [652], KovacsTKSG21 [361], AstrandJZ20 [38], AntunesABD20 [20], RoshanaeiBAUB20 [521], GombolayWS18 [253], TranPZLDB18 [597], HoYCLLCLC18 [303], AntunesABD18 [19], HurleyOS16 [319], LimHTB16 [390], LimBTBB15 [391], CobanH11 [153], Lombardi10 [398], CobanH10 [152], Acuna-AgostMFG09 [5], Elkhyari03 [196], Beck99 [62]	PrataAN23 [509], ForbesHJST24 [217], abs-2312-13682 [497], abs-2306-05747 [577], EfthymiouY23 [194], ShaikhK23 [547], abs-2305-19888 [296], TasselGS23 [576], GurPAE23 [270], JuvinHL23a [331], NaderiRR23 [460], ZhuSZW23 [666], PerezGSL23 [496], Adelgren2023 [7], BourreauGGLT22 [118], FarsiTM22 [211], YunusogluY22 [648], HeinzNVH22 [295], ArmstrongGOS22 [27], LuoB22 [416], JuvinHL22 [329], PohlAK22 [502], YuraszeckMPV22 [650], KlankeBYE21 [346], PandeyS21a [489], ZhangYW21 [659], Lunardi20 [414], BenediktMH20 [86], MejiaY20 [431]... (Total: 89)
Concepts	release-date	WinterMMW22 [635], YunusogluY22 [648], EmdeZD22 [199], JuvinHL22 [329], YuraszeckMPV22 [650], Groleaz21 [261], HanenKP21 [277], Bedhief21 [74], Polo-MejiaALB20 [503], EscobetPQPRA19 [201], Tesch18 [583], KameugneFSN14 [338], LimtanyakulS12 [393], TerekhovDOB12 [580], SerraNM12 [546], KameugneFSN11 [337], KovacsB11 [356], Lombardi10 [398], LombardiM10a [402], BartakSR10 [58], abs-0907-0939 [499], MercierH08 [436], KovacsB07 [354], Hooker07 [309], AkkerDH07 [606], SadykovW06 [528], ArtiouchineB05 [34], Hooker05 [306], SchuttWS05 [545]... (Total: 35)	PrataAN23 [509], LacknerMMWW23 [374], JuvinHL23a [331], LacknerMMWW21 [373], Godet21a [246], ArtiguesHQT21 [32], AntuoriHHEN20 [21], GroleazNS20 [263], ZarandiASC20 [654], GroleazNS20a [262], abs-1911-04766 [235], GeibingerMM19 [236], ArkhipovBL19 [25], Dejemeppe16 [172], HeinzSB13 [294], KelbelH11 [341], MilanoW09 [441], Laborie09 [370], Limtanyakul07 [392], Simonis07 [559], MilanoW06 [440], Hooker06 [308], Hooker05a [307], WuBB05 [642], Sadykov04 [527], HarjunkoskiG02 [278], JainG01 [323], TorresL00 [591], SourdN00 [563]... (Total: 31)	ForbesHJST24 [217], PovedaAA23 [506], PenzDN23 [495], IsikYA23 [321], YuraszeckMC23 [649], Adelgren2023 [7], TouatBT22 [592], PohlAK22 [502], AntuoriHHEN21 [22], GeibingerMM21 [237], ZhangYW21 [659], HillTV21 [302], AbreuAPNM21 [166], Zahout21 [652], KovacsTKSG21 [361], Astrand21 [35], GodetLHS20 [247], Lunardi20 [414], MejiaY20 [431], Novas19 [474], Caballero19 [126], Hooker19 [312], NattafHKAL19 [466], abs-1902-09244 [282], LaborieRSV18 [372], KreterSSZ18 [364], Laborie18a [371], GokgurHO18 [249], TanT18 [572]... (Total: 85)

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	resource	PrataAN23 [509], abs-2402-00459 [469], ForbesHJST24 [217], Fatemi-AnarakiTFV23 [212], JuvinHHL23 [328], KameugneFND23 [336], PovedaAA23 [506], YuraszeckMCCR23 [651], abs-2305-19888 [296], CzerniachowskaWZ23 [159], ShaikhK23 [547], AlfieriGPS23 [15], JuvinHL23a [331], GuoZ23 [269], NaderiRR23 [460], AalianPG23 [1], WangB23 [629], TardivoDFMP23 [575], GurPAE23 [270], AbreuPNF23 [3], NaderiBZ22 [457], BourreauGGLT22 [118], HeinzNVH22 [295], ZhangBB22 [658], GeitzGSSW22 [238], LuoB22 [416], AbreuN22 [167], BoudreaultSLQ22 [117], TouatBT22 [592]... (Total: 395)	Caballero23 [127], PerezGSL23 [496], abs-2312-13682 [497], IsikYA23 [321], abs-2306-05747 [577], TasselGS23 [576], Bit-Monnot23 [96], AbreuNP23 [168], Adelgren2023 [7], AfsarVPG23 [8], ElciOH22 [195], abs-2211-14492 [566], PohlAK22 [502], YuraszeckMPV22 [650], MullerMKP22 [451], WinterMMW22 [635], SvancaraB22 [569], Astrand0F21 [36], KlankeBYE21 [346], MokhtarzadehTNF20 [443], TangB20 [573], LunardiBLRV20 [413], WallaceY20 [627], FrimodigS19 [221], abs-1902-01193 [14], ParkUJR19 [493], HoYCLLC18 [303], GedikKEK18 [233], Ham18 [273]... (Total: 63)	MontemanniD23 [447], AkramNHRSA23 [13], PenzDN23 [495], SquillaciPR23 [564], ZhuSZW23 [666], EmdeZD22 [199], Teppan22 [579], PopovicCGNC22 [504], ArmstrongGOS22 [27], JungblutK22 [327], ZhangJZL22 [657], AntuoriHHEN21 [22], HamPK21 [275], AbreuAPNM21 [166], AbohashimaEG21 [2], KoehlerBFFHPSSS21 [348], ArmstrongGOS21 [26], FanXG21 [210], abs-2102-08778 [155], MejiaY20 [431], BarzegaranZP20 [61], NattafM20 [467], ThomasKS20 [586], BadicaBIL19 [40], HoundjiSW19 [316], KucukY19 [368], NattafDYW19 [465], ColT19 [156], AstrandJZ18 [37]... (Total: 70)
Concepts	scheduling	ForbesHJST24 [217], abs-2402-00459 [469], PrataAN23 [509], AbreuNP23 [168], PenzDN23 [495], TasselGS23 [576], Bit-Monnot23 [96], ZhuSZW23 [666], IsikYA23 [321], AalianPG23 [1], abs-2305-19888 [296], abs-2312-13682 [497], PerezGSL23 [496], abs-2306-05747 [577], JuvinHHL23 [328], TardivoDFMP23 [575], YuraszeckMC23 [649], GuoZ23 [269], Fatemi-AnarakiTFV23 [212], Mehdizadeh-Somarin23 [430], MontemanniD23 [447], KimCMLLP23 [345], AkramNHRSA23 [13], ShaikhK23 [547], KameugneFND23 [336], LacknerMMWW23 [374], GurPAE23 [270], PovedaAA23 [506], EfthymiouY23 [194]... (Total: 562)	HebrardALLCMR22 [285], GayHS15 [230], Kameugne15 [334], BessiereHMqw14 [93], HoundjiSWD14 [317], LetortCB13 [384], LetortBC12 [383], ChapadosJR11 [145], ClercqPBJ11 [151], Baptiste09 [45], Acuna-AgostMFG09 [5], abs-0907-0939 [499], GomesHS06 [254], MoffittPP05 [442], WuBB05 [642], DilkinaDH05 [182], HebrardTW05 [287], Vilim03 [613], ValleMGT03 [605], Vilim02 [612], HookerY02 [315], RodriguezDG02 [519], CestaOS98 [144], FrostD98 [224], Touraivane95 [593]	Hooker17 [311], RossiTHP07 [524], AbrilSB05 [4], VanczaM01 [610]
Concepts	sequence setup	dependent	IsikYA23 [321], YuraszeckMPV22 [650], GeitzGSSW22 [238], MengZRZL20 [435], CauwelaertDS20 [142], ZarandiASC20 [654], RiahiNS018 [517], Dejemeppe16 [172], GrimesH15 [258], LombardiM12 [405], Simonis07 [559], ArtiguesBF04 [30]	PrataAN23 [509], NaderiRR23 [460], GuoZ23 [269], abs-2305-19888 [296], Adelgren2023 [7], YunusogluY22 [648], PohlAK22 [502], NaderiBZ22a [456], HeinzNVH22 [295], OujanaAYB22 [487], Bedhief21 [74], HamPK21 [275], ArmstrongGOS21 [26], Astrand21 [35], Mercier-AubinGQ20 [437], MejiaY20 [431], RoshanaeiBAUB20 [521], MalapertN19 [423], Novas19 [474], Hooker19 [312], KucukY19 [368], ArbaouiY18 [24], LaborieRSV18 [372], Ham18 [273], FahimiOQ18 [206], RoshanaeiLAU17 [522], Pralet17 [507], HookerH17 [314], Fahimi16 [205]... (Total: 46)

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	setup-time	PrataAN23 [509], LacknerMMWW23 [374], IsikYA23 [321], abs-2305-19888 [296], AbreuPNF23 [168], NaderiRR23 [460], AbreuPNF23 [3], YuraszeckMPV22 [650], PohlAK22 [502], GeitzGSSW22 [238], NaderiBZ22 [457], WinterMMW22 [635], HeinzNVH22 [295], AbreuN22 [167], OujanaAYB22 [487], YunusogluY22 [648], ColT22 [160], Groleaz21 [261], LacknerMMWW21 [373], Astrand21 [35], Lunardi20 [414], NattafM20 [467], MejiaY20 [431], GroleazNS20 [263], Mercier-AubinGQ20 [437], QinDCS20 [512], LunardiBLRV20 [413], CauwelaertDS20 [142], ZarandiASC20 [654]... (Total: 60)	AlferiGPS23 [15], CzerniachowskaWZ23 [159], PenzDN23 [495], ZhuSZW23 [666], KimCMLLP23 [345], Adelgren2023 [7], LiFJZLL22 [387], Bedhief21 [74], AbreuAPNM21 [166], ArmstrongGOS21 [26], FanXG21 [210], AstrandJZ20 [38], LaborieRSV18 [372], HookerH17 [314], HamC16 [276], NovaraNH16 [473], GaySS14 [232], OzturkTHO13 [488], KelarevaTK13 [340], Wolf11 [638], Malapert11 [420], ThiruvadyBME09 [584], BeniniBGM06 [88], HarjunksoskiG02 [278], Timpe02 [588], Vilim02 [612]	YuraszeckMCCR23 [651], Fatemi-AnarakiTFV23 [212], JuvinHHL23 [328], JuvinHL23 [330], JuvinHL23a [331], Mehdizadeh-Somarin23 [430], GuoZ23 [269], EfthymiouY23 [194], AfsarVPG23 [8], abs-2211-14492 [566], ZhangJZL22 [657], MullerMKP22 [451], JuvinHL22 [329], Teppan22 [579], NaderiBZ22a [456], HamPK21 [275], ZhangYW21 [659], AbohashimaEG21 [2], BenderWS21 [84], GodetLHS20 [247], RoshanaeiBAUB20 [521], MokhtarzadehTNF20 [443], Polo-MejiaALB20 [503], HauderBRPA20 [283], BehrensLM19 [76], Caballero19 [126], abs-1902-09244 [282], KucukY19 [368], WikarekS19 [634]... (Total: 78)
Concepts	stock level	LopesCSM10 [409], SimonisC95 [561]	German18 [240], RossiTHP07 [524], Timpe02 [588], Simonis99 [558]	KhemmoudjPB06 [344], SimonisCK00 [560], Beck99 [62], Simonis95a [556]
Concepts	tardiness	PrataAN23 [509], IsikYA23 [321], AlferiGPS23 [15], KimCMLLP23 [345], LacknerMMWW23 [374], NaderiRR23 [460], AbreuPNF23 [3], WinterMMW22 [635], TouatBT22 [592], YunusogluY22 [648], AbreuN22 [167], OujanaAYB22 [487], NaderiBZ22 [457], PohlAK22 [502], abs-2211-14492 [566], Groleaz21 [261], FanXG21 [210], AntuoriHHEN21 [22], LacknerMMWW21 [373], ZarandiASC20 [654], HauderBRPA20 [283], GroleazNS20a [262], Mercier-AubinGQ20 [437], AntuoriHHEN20 [21], MengZRZL20 [435], TangB20 [573], abs-1902-09244 [282], ParkUJR19 [493], Hooker19 [312]... (Total: 62)	abs-2402-00459 [469], PenzDN23 [495], AbreuNP23 [168], SubulanC22 [565], FarsiTM22 [211], ColT22 [160], EmdeZD22 [199], ElciOH22 [195], KovacsTKSG21 [361], AbreuAPNM21 [166], GroleazNS20 [263], Lunardi20 [414], GedikKEK18 [233], GokgurHO18 [249], Hooker17 [311], CireCH16 [150], TranAB16 [594], ThiruvadyWGS14 [585], TerekhovTDB14 [581], HarjunksoskiMBC14 [279], BajestaniB13 [42], Malapert11 [420], NovasH10 [475], BartakSR10 [58], Beck06 [63], QuirogaZH05 [514], Hooker05 [306], GodardLN05 [245], BeckPS03 [69]	Mehdizadeh-Somarin23 [430], JuvinHL23 [330], abs-2306-05747 [577], TasselGS23 [576], LiFJZLL22 [387], EtminaniesfahaniGNMS22 [202], NaderiBZ22a [456], ZhangJZL22 [657], VlKHT21 [623], HanenKP21 [277], KoehlerBFFHPSSS21 [348], HamPK21 [275], GeibingerMM21 [237], Astrand21 [35], HubnerGSV21 [318], QinWSLS21 [511], Bedhief21 [74], QinDCS20 [512], Polo-MejiaALB20 [503], MejiaY20 [431], LunardiBLRV20 [413], Tom19 [589], Novas19 [474], KreterSSZ18 [364], Ham18a [274], RiahiNS018 [517], ZhangW18 [660], RoshanaeiLAU17 [522], HookerH17 [314]... (Total: 73)
Concepts	task	ForbesHJST24 [217], PrataAN23 [509], abs-2402-00459 [469], JuvinHL23 [330], CzerniachowskaWZ23 [159], Fatemi-AnarakiTFV23 [212], JuvinHHL23 [328], WangB23 [629], YuraszeckMCCR23 [651], PovedaAA23 [506], abs-2305-19888 [296], KameugneFND23 [336], AkramNHRSA23 [13], Adelgren2023 [7], AfsarVPG23 [8], NaderiBZ22a [456], LiFJZLL22 [387], CampeauG22 [128], ColT22 [160], SubulanC22 [565], OuelletQ22 [486], FetgoD22 [214], JuvinHL22 [329], abs-2211-14492 [566], ElciOH22 [195], GeitzGSSW22 [238], EtminaniesfahaniGNMS22 [202], TouatBT22 [592], HeinzNVH22 [295]... (Total: 266)	JuvinHL23a [331], MontemanniD23a [446], Bit-Monnot23 [96], IsikYA23 [321], MontemanniD23 [447], LacknerMMWW23 [374], ShaikhK23 [547], SquillaciPR23 [564], YuraszeckMPV22 [650], PopovicCGNC22 [504], MullerMKP22 [451], WinterMMW22 [635], AbreuN22 [167], FarsiTM22 [211], SvancaraB22 [569], OujanaAYB22 [487], BenderWS21 [84], HubnerGSV21 [318], GeibingerMM21 [237], ZouZ20 [669], BarzegaranZP20 [61], Polo-MejiaALB20 [503], AntuoriHHEN20 [21], BadicaBI20 [39], WallaceY20 [627], Caballero19 [126], WikarekS19 [634], German18 [240], DemirovicS18 [177]... (Total: 63)	NaderiRR23 [460], TasselGS23 [576], EfthymiouY23 [194], PerezGSL23 [496], ZhuSZW23 [666], abs-2312-13682 [497], Mehdizadeh-Somarin23 [430], TardivoDFMP23 [575], abs-2306-05747 [577], GuoZ23 [269], Teppan22 [579], ZhangJZL22 [657], ZhangBB22 [658], EmdeZD22 [199], ArmstrongGOS22 [27], ZhangYW21 [659], abs-2102-08778 [155], FanXG21 [210], AbreuAPNM21 [166], AntuoriHHEN21 [22], LacknerMMWW21 [373], HamPK21 [275], AstrandJZ20 [38], HauderBRPA20 [283], SacramentoSP20 [526], FallahiAC20 [209], BenediktMH20 [86], MengZRZL20 [435], CauwelaertDS20 [142]... (Total: 109)
Concepts	temporal constraint reasoning			BartakSR10 [58], KeriK07 [342], FortinZDF05 [218]

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	transportation	CzerniachowskaWZ23 [159], GuoZ23 [269], ArmstrongGOS22 [27], PohlAK22 [502], BourreauGGLT22 [118], EmdeZD22 [199], GeitzGSSW22 [238], Lemos21 [381], ArmstrongGOS21 [26], QinDCS20 [512], Lunardi20 [414], SacramentoSP20 [526], ThomasKS20 [586], MurinR19 [452], Hooker19 [312], Ham18 [273], CappartTSR18 [130], PourDERB18 [505], TangLWSK18 [574], Froger16 [222], GoelSHFS15 [248], NovasH14 [477], BlomBPS14 [99], KelarevaTK13 [340], NovasH12 [476], HachemiGR11 [272], LopesCSM10 [409], MilanoW09 [441], BocewiczBB09 [101]... (Total: 34)	Fatemi-AnarakiTFV23 [212], NaderiRR23 [460], KimCMLLP23 [345], AbreuPNF23 [3], AfsarVPG23 [8], AbreuN22 [167], SubulanC22 [565], ElciOH22 [195], NaderiBZ22 [457], PopovicCGNC22 [504], Astrand21 [35], Godet21a [246], AbohashimaEG21 [2], MengZRZL20 [435], MejiaY20 [431], ZarandiASC20 [654], FallahiAC20 [209], LaborieRSV18 [372], EvenSH15 [203], MelgarejoLS15 [11], HarjunkskiMBC14 [279], RendlPHPR12 [516], Malapert11 [420], MakMS10 [419], MouraSCL08a [449], MouraSCL08 [450], LimRX04 [389], Mason01 [429], ArtiguesR00 [33]... (Total: 31)	AalianPG23 [1], IsikYA23 [321], AbreuNP23 [168], abs-2312-13682 [497], WangB23 [629], MontemanniD23a [446], PerezGSL23 [496], AlfieriGPS23 [15], ZhuSZW23 [666], Adelgren2023 [7], NaderiBZ22a [456], ColT22 [160], BoudreaultSLQ22 [117], abs-2211-14492 [566], ZhangJZL22 [657], YuraszeckMPV22 [650], LiFJZLL22 [387], YunusogluY22 [648], AntuoriHHEN21 [22], Bedhief21 [74], Groleaz21 [261], HubnerGSV21 [318], GroleazNS20a [262], WallaceY20 [627], AntunesABD20 [20], HauderBRPA20 [283], CauwelaertDS20 [142], Novas19 [474], abs-1902-09244 [282]... (Total: 88)

7.2 Concept Type Classification

Table 12: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	2BPHFSP	TangB20 [573]		
Classification	BPCTOP	KelarevaTK13 [340]		
Classification	Bulk Port Cargo Throughput Optimi- sation Problem			KelarevaTK13 [340]
Classification	CECSP	NattafHKAL19 [466], NattafAL17 [463], Nattaf16 [461], NattafALR16 [464], NattafAL15 [462]		
Classification	CHSP	EfthymiouY23 [194], WallaceY20 [627]		
Classification	CTW	KoehlerBFFHPSSS21 [348]	Lombardi10 [398]	
Classification	CuSP	KameugneFND23 [336], FetgoD22 [214], Tesch18 [583], KameugneFGOQ18 [335], Froger16 [222], Tesch16 [582], NattafALR16 [464], Nattaf16 [461], NattafAL15 [462], Derrien15 [178], DerrienPZ14 [180], Kameugne14 [333], KameugneFSN14 [338], KameugneFSN11 [337], SchuttW10 [544], DemasseY03 [175]	Fahimi16 [205], GingrasQ16 [244], OuelletQ13 [484], Elkhyari03 [196]	TardivoDFMP23 [575], HanenKP21 [277], Zahout21 [652], DerrienP14 [179]
Classification	EOSP		SquillaciPR23 [564]	
Classification	Earth Observation Scheduling Problem		SquillaciPR23 [564]	
Classification	FJS	JuvinHL23a [331], WangB23 [629], YuraszeckMCCR23 [651], MullerMKP22 [451], JuvinHL22 [329], Teppan22 [579], HamPK21 [275], Lunardi20 [414], LunardiBLRV20 [413], WangB20 [628], ZarandiASC20 [654], MengZRZL20 [435], Novas19 [474], MossigeGSMC17 [448], HamC16 [276]	OujanaAYB22 [487], HauderBRPA20 [283], abs-1902-09244 [282], ZhangW18 [660], SchuttFS13 [537]	NaderiRR23 [460], ColT22 [160], ZhouGL15 [664]
Classification	Fixed Job Scheduling	WangB20 [628]	WangB23 [629]	
Classification	GCSP	Groleaz21 [261], GroleazNS20 [263]		
Classification	HFF	ArmstrongGOS22 [27], OujanaAYB22 [487], ArmstrongGOS21 [26], ZhouGL15 [664]		
Classification	JSPT		MurinR19 [452]	
Classification	JSSP	JuvinHHL23 [328], YuraszeckMC23 [649], TasselGS23 [576], JuvinHL23a [331], YuraszeckMCCR23 [651], abs-2306-05747 [577], ColT22 [160], YuraszeckMPV22 [650], GeitzGSSW22 [238], JuvinHL22 [329], Teppan22 [579], Godet21a [246], abs-2102-08778 [155], ZarandiASC20 [654], ColT19 [156], Pralet17 [507], MenciaSV13 [434], MenciaSV12 [433], KelbelH11 [341], BidotVLB09 [94], GodardLN05 [245], Baptiste02 [44], TorresL00 [591], SourdN00 [563], PapaB98 [492], NuijtenP98 [479], NuijtenA96 [480], NuijtenA94 [478]	GalleguillosKSB19 [225], LombardiBM15 [399], SialaAH15 [553], BelhadjiI98 [83]	EfthymiouY23 [194], Mehdizadeh-Somarin23 [430], CzerniachowskaWZ23 [159], WikarekS19 [634], PraletLJ15 [508], GrimesH15 [258], BajestaniB11 [41], ChenGPSH10 [146]
Classification	KRFP	KamarainenS02 [332], SakkoutW00 [529]		
Classification	LSFRP	KelarevaTK13 [340]		
Classification	Liner Shipping Fleet Repositioning Problem		KelarevaTK13 [340]	
Classification	MGAP	Darby-DowmanLMZ97 [163]		

Table 12: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	Modified Assignment Problem			
Classification	OSP	NaderiRR23 [460], LacknerMMWW23 [374], Bit-Monnot23 [96], LacknerMMWW21 [373], Groleaz21 [261], GombolayWS18 [253], GayHLS15 [229], Siala15a [552], GrimesH15 [258], MalapertCGJLR12 [421]	SquillaciPR23 [564], GrimesHM09 [259], MonetteDD07 [444]	MengZRZL20 [435]
Classification	OSSP	YuraszeckMC23 [649], AbreuNP23 [168], AbreuPNF23 [3], YuraszeckMPV22 [650], ColT22 [160], AbreuN22 [167], AbreuAPNM21 [166], MejiaY20 [431], Baptiste02 [44]		YuraszeckMCCR23 [651], ZarandiASC20 [654]
Classification	Open Shop Scheduling Problem	AbreuNP23 [168], AbreuPNF23 [3], AbreuN22 [167], AbreuAPNM21 [166], MejiaY20 [431], ZarandiASC20 [654]	Malapert11 [420], LorigeonBB02 [411]	PrataAN23 [509], Bit-Monnot23 [96], YuraszeckMCCR23 [651], NaderiRR23 [460], YuraszeckMPV22 [650], ColT22 [160], Groleaz21 [261], MengZRZL20 [435], SacramentoSP20 [526], HookerH17 [314], GrimesH15 [258], MalapertCGJLR13 [422], MalapertCGJLR12 [421], Schutt11 [534], GrimesH10 [256], GrimesHM09 [259], OhrimenkoSC09 [483], MonetteDD07 [444], Baptiste02 [44], VerfaillieL01 [611]
Classification	PJSSP	Baptiste02 [44]	PapaB98 [492]	
Classification	PMSP	NaderiRR23 [460], YunusogluY22 [648], WinterMMW22 [635], Godet21a [246], PandeyS21a [489], GodetLHS20 [247], MalapertN19 [423], GedikKEK18 [233], GomesM17 [255], TranAB16 [594], TranB12 [595]	VlkHT21 [623], NattafM20 [467]	OujanaAYB22 [487], ColT22 [160], ZarandiASC20 [654]
Classification	PP-MS-MMRCPPSP			
Classification	PTC	NattafM20 [467], MalapertN19 [423], NattafDYW19 [465]	NaderiRR23 [460]	CzerniachowskaWZ23 [159], Teppan22 [579], Dejemeppe16 [172]
Classification	Pre-emptive Job-Shop scheduling Problem			
Classification	RCPSP	YuraszeckMCCR23 [651], PovedaAA23 [506], CampeauG22 [128], BoudreaultSLQ22 [117], SubulanC22 [565], EtminaniesfahaniGNMS22 [202], FetgoD22 [214], BenderWS21 [84], GeibingerMM21 [237], HillTV21 [302], Zahout21 [652], ArtiguesHQT21 [32], Groleaz21 [261], HubnerGSV21 [318], Godet21a [246], ZarandiASC20 [654], HauderBRPA20 [283], Polo-MejiaALB20 [503], GeibingerMM19 [236], abs-1902-09244 [282], ArkhipovBL19 [25], abs-1911-04766 [235], Caballero19 [126], LaborieRSV18 [372], TangLWSK18 [574], KreterSSZ18 [364], KameugneFGOQ18 [335], Pralet17 [507], KreterSS17 [363]... (Total: 64)	TardivoDFMP23 [575], Caballero23 [127], KameugneFND23 [336], KovacsTKSG21 [361], GroleazNS20a [262], BaptisteB18 [46], Tesch18 [583], CauwelaertLS18 [141], Dejemeppe16 [172], LombardiBM15 [399], NattafAL15 [462], GayHLS15 [229], KameugneFSN14 [338], LombardiM13 [406], LombardiMB13 [407], KameugneFSN11 [337], HeinzS11 [293], abs-1009-0347 [539], KeriK07 [342], KovacsV06 [360], HeipckeCCS00 [297], ArtiguesR00 [33]	NaderiRR23 [460], AbreuPNF23 [3], GeitzGSSW22 [238], TouatBT22 [592], HanenKP21 [277], Astrand21 [35], ZhangYW21 [659], Lemos21 [381], Mercier-AubinGQ20 [437], NattafHKAL19 [466], WikarekS19 [634], OuelletQ18 [485], FahimiOQ18 [206], HookerH17 [314], NattafALR16 [464], GingrasQ16 [244], BonfiettiZLM16 [113], Tesch16 [582], Fahimi16 [205], SialaAH15 [553], Siala15a [552], GayHS15a [231], DerrienPZ14 [180], BonfiettiLM14 [111], BonfiettiLBM14 [109], KoschB14 [353], SchuttFS13a [536], OuelletQ13 [484], SchuttFS13 [537]... (Total: 44)
Classification	RCPSPDC			
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow			
Classification	SBSFMMAL	OzturkTHO13 [488]		
Classification	SCC	KimCMLLP23 [345], WolinskiKG04 [641]	SchuttFSW13 [541], Lombardi10 [398], abs-1009-0347 [539]	PohlAK22 [502], Zahout21 [652], LombardiMB13 [407], BeniniLMR11 [90], SchausHMCMD11 [531], LombardiMRB10 [408], BeniniLMR08 [89]
Classification	SMSDP			

Table 12: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	Steel-making and continuous casting			
Classification	TCSP	BelhadjiI98 [83]		Zahout21 [652], BartakSR10 [58], Lombardi10 [398], LombardiM10a [402], Demassey03 [175]
Classification	TMS	PopovicCGNC22 [504], Froger16 [222]	BegB13 [75]	CappartS17 [129], Siala15a [552]
Classification	Temporal Constraint Satisfaction Problem		BelhadjiI98 [83]	BartakSR10 [58], MoffittPP05 [442], Elkhyari03 [196]
Classification	parallel machine	PrataAN23 [509], abs-2305-19888 [296], IsikYA23 [321], CzerniachowskaWZ23 [159], NaderiRR23 [460], Adelgren2023 [7], ZhangJZL22 [657], WinterMMW22 [635], HeinzNVH22 [295], OujanaAYB22 [487], YunusogluY22 [648], PandeyS21a [489], Astrand21 [35], Groleaz21 [261], Godet21a [246], Lunardi20 [414], GodetLHS20 [247], ZarandiASC20 [654], MengZRZL20 [435], NattafM20 [467], NattafDYW19 [465], MalapertN19 [423], GedikKEK18 [233], ArbaouiY18 [24], GokgurHO18 [249], TanT18 [572], GomesM17 [255], HebrardHJMPV16 [286], TranAB16 [594]... (Total: 35)	AbreuNP23 [168], PenzDN23 [495], JuvinHL23a [331], Fatemi-AnarakiTFV23 [212], AbreuPNF23 [3], Teppan22 [579], NaderiBZ22 [457], EmdeZD22 [199], ColT22 [160], Zahout21 [652], Bedhief21 [74], SacramentoSP20 [526], MejiaY20 [431], MokhtarzadehTNF20 [443], ParkUJR19 [493], Novas19 [474], BogaerdTW19 [607], Ham18a [274], BenediktSMVH18 [87], RoshanaeiLAU17 [522], CatusseCBL16 [139], ZhouGL15 [664], TerekhovTDB14 [581], TranTDB13 [598], BajestaniB13 [42], GuyonLPR12 [271], KovacsB11 [356], AkkerDH07 [606], SadykovW06 [528], Thorsteinsson01 [587]	KimCMLLP23 [345], JuvinHHL23 [328], LacknerMMWW23 [374], Mehdizadeh-Somarin23 [430], AlfieriGPS23 [15], GuoZ23 [269], JuvinHL22 [329], NaderiBZ22a [456], ArmstrongGOS22 [27], EtminaniesfahaniGNMS22 [202], HamPK21 [275], LacknerMMWW21 [373], HanenKP21 [277], FanXG21 [210], AbohashimaEG21 [2], AbreuAPNM21 [166], AstrandJZ20 [38], RoshanaeiBAUB20 [521], GroleazNS20a [262], QinDCS20 [512], NishikawaSTT19 [472], Hooker19 [312], ArkhipovBL19 [25], Ham18 [273], LaborieRSV18 [372], BaptisteB18 [46], KletzanderM17 [347], HookerH17 [314], KreterSS17 [363]... (Total: 47)
Classification	psplib	TardivoDFMP23 [575], Caballero19 [126], ArkhipovBL19 [25], KreterSSZ18 [364], OuelletQ18 [485], GayHS15a [231], LetortCB15 [385], Derrien15 [178], KameugneFSN14 [338], DerrienP14 [179], Kameugne14 [333], SchuttFSW13 [541], SchuttFS13a [536], Letort13 [382], HeinzSB13 [294], Clercq12 [169], SchuttFSW11 [540], Schutt11 [534], BertholdHLMS10 [92], SchuttFSW09 [538], Demassey03 [175]	KameugneFND23 [336], BoudreaultSLQ22 [117], EtminaniesfahaniGNMS22 [202], HillTV21 [302], BadicaBI20 [39], Tesch18 [583], FahimiOQ18 [206], BaptisteB18 [46], SzerediS16 [570], Tesch16 [582], GingrasQ16 [244], Nattaf16 [461], GayHLS15 [229], VilimLS15 [621], LombardiBM15 [399], BonfiettiLM14 [111], LetortCB13 [384], LombardiM12a [404], LetortBC12 [383], HeinzS11 [293], Vilim11 [618], SchuttW10 [544], abs-1009-0347 [539]	Godet21a [246], LaborieRSV18 [372], CauwelaertLS18 [141], Pralet17 [507], YoungFS17 [646], BofillCSV17 [103], Dejemepppe16 [172], SchnellH15 [533], ThiruvadyWGS14 [585], LombardiM13 [406], OuelletQ13 [484], LombardiM12 [405], KameugneFSN11 [337], LiessM08 [388], DemasseyAM05 [176], FortinZDF05 [218], ElkhyariGJ02a [198]
Classification	single machine	PrataAN23 [509], AlfieriGPS23 [15], PenzDN23 [495], LacknerMMWW23 [374], TouatBT22 [592], HamPK21 [275], Groleaz21 [261], ZarandiASC20 [654], BenediktMH20 [86], BogaerdTW19 [607], BajestaniB15 [43], BajestaniB13 [42], TerekhovDOB12 [580], KovacsB11 [356], ThiruvadyBME09 [584], WuBB09 [643], KovacsB07 [354], SadykovW06 [528], KanetAG04 [339], Elkhyari03 [196], Baptiste02 [44], SourdN00 [563], BlazewiczDP96 [125]	NaderiBZ22 [457], ElciOH22 [195], YuraszeckMPV22 [650], ZhangBB22 [658], EmdeZD22 [199], PandeyS21a [489], Astrand21 [35], Bedhief21 [74], HillTV21 [302], KoehlerBFFHPSSS21 [348], Zahout21 [652], AbreuAPNM21 [166], LacknerMMWW21 [373], NattafM20 [467], Lunardi20 [414], BenediktSMVH18 [87], Tesch18 [583], TranPZLDB18 [597], TanT18 [572], GomesM17 [255], TranAB16 [594], KoschB14 [353], BillautHL12 [95], TranB12 [595], KovacsK11 [358], Malapert11 [420], MilanoW09 [441], Jans09 [324], AkkerDH07 [606]... (Total: 35)	abs-2402-00459 [469], Fatemi-AnarakiTFV23 [212], JuvinHL23a [331], IsikYA23 [321], NaderiRR23 [460], Mehdizadeh-Somarin23 [430], GeitzGSSW22 [238], AbreuN22 [167], ColT22 [160], abs-2211-14492 [566], JuvinHL22 [329], PohlAK22 [502], ZhangJZL22 [657], LiFJZLL22 [387], Godet21a [246], FanXG21 [210], QinWSLS21 [511], KovacsTKSG21 [361], TangB20 [573], GodetLHS20 [247], ParkUJR19 [493], Tom19 [589], NattafHKAL19 [466], Hooker19 [312], HoundjiSW19 [316], NattafDYW19 [465], MalapertN19 [423], GedikKEK18 [233], AstrandJZ18 [37]... (Total: 83)

7.3 Concept Type Constraints

Table 13: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	alldifferent	JuvinHHL23 [328], Lemos21 [381], KoehlerBFFHPSSS21 [348], Godet21a [246], HoundjiSW19 [316], CauwelaertLS18 [141], Dejemeppe16 [172], Derrien15 [178], Siala15a [552], Clercq12 [169], Malapert11 [420], Menana11 [432], MilanoW09 [441], OhrimenkoSC09 [483], Simonis07 [559], MilanoW06 [440], KanetAG04 [339]	GodetLHS20 [247], HookerH17 [314], Fahimi16 [205], BessiereHMQW14 [93], KelarevaTK13 [340], TerekhovDOB12 [580], Schutt11 [534]	WangB23 [629], ColT22 [160], BourreauGGLT22 [118], FarsiTM22 [211], Astrand21 [35], AstrandJZ20 [38], WangB20 [628], AntuoriHHEN20 [21], Lunardi20 [414], MokhtarzadehTNF20 [443], Caballero19 [126], FahimiOQ18 [206], Nattaf16 [461], MelgarejoLS15 [11], AlesioNBG14 [181], ChuGNSW13 [147], Letort13 [382], ClercqPB11 [151], HermenierDL11 [300], HachemiGR11 [272], TrojetHL11 [602], LopesCSM10 [409], Malik08 [424], Thorsteinsson01 [587], Simonis99 [558], BeldiceanuC94 [78], ZhuSZW23 [666], LacknerMMWW23 [374], NaderiRR23 [460], WinterMMW22 [635], ZhangJZL22 [657], SvancaraB22 [569], HeinzNVH22 [295], ArmstrongGOS21 [26], HubnerGSV21 [318], PandeyS21a [489], VlKHT21 [623], HillTV21 [302], MengZRZL20 [435], Polo-MejiaALB20 [503], SacramentoSP20 [526], YounespourAKE19 [645], EscobetPQPRA19 [201], GeibingerMM19 [236], NishikawaSTT19 [472], NattafDYW19 [465], GalleguillosKSB19 [225], MalapertN19 [423], abs-1911-04766 [235], ArbaouiY18 [24], Ham18a [274], Laborie18a [371], NishikawaSTT18a [471], NishikawaSTT18 [470], CohenHB17 [154]... (Total: 41)
Constraints	alternative constraint	LaborieRSV18 [372]	abs-2305-19888 [296], MurinR19 [452], GokgurHO18 [249]	CampeauG22 [128], KreterSS17 [363], BajestaniB13 [42]
Constraints	alwaysIn	PopovicCGNC22 [504], SerraNM12 [546]	AalianPG23 [1], LuoB22 [416], TangB20 [573], Polo-MejiaALB20 [503], MalapertN19 [423], LaborieRSV18 [372], GoelSHFS15 [248]	
Constraints	bin-packing	Godet21a [246], Zahout21 [652], TangB20 [573], CauwelaertLS18 [141], RoshanaeiLAU17 [522], LetortCB15 [385], Letort13 [382], LetortCB13 [384], HeinzSSW12 [292], LetortBC12 [383], Malapert11 [420], SchausHMCMD11 [531], SchausD08 [530]	JuvinHL23a [331], LuoB22 [416], EmdeZD22 [199], BadicaB120 [39], AntunesABD20 [20], FrimodigS19 [221], AntunesABD18 [19], BaptisteB18 [46], LiW08 [386], GarganiR07 [226], SakkoutW00 [529], SchildW00 [532]	abs-2402-00459 [469], Fatemi-AnarakiTFV23 [212], LacknerMMWW23 [374], GuoZ23 [269], AkramNHRSA23 [13], abs-2211-14492 [566], YunusogluY22 [648], ArmstrongGOS21 [26], RoshanaeiBAUB20 [521], GodetLHS20 [247], TranPZLDB18 [597], German18 [240], HookerH17 [314], Madi-WambaLOBM17 [418], DoulabiRP16 [190], KoschB14 [353], DoulabiRP14 [189], LimtanyakulS12 [393], Schutt11 [534], EdisO11 [191], HermenierDL11 [300], BeldiceanuCDP11 [80], Lombardi10 [398], LombardiMRB10 [408], KovacsB08 [355], HentenryckM08 [299], Simonis07 [559], DavenportKRSH07 [165], SimonisCK00 [560]... (Total: 31)
Constraints	circuit	MontemanniD23a [446], KlankeBYE21 [346], Mercier-AubinGQ20 [437], MokhtarzadehTNF20 [443], Caballero19 [126], HookerH17 [314], Lombardi10 [398], RuggieroBBMA09 [525], Rodriguez07 [520], RodriguezDG02 [519], GruianK98 [264], Wallace96 [625], BeldiceanuC94 [78]	Groleaz21 [261], WessenCS20 [633], AntuoriHHEN20 [21], Siala15a [552], LombardiMB13 [407], TranB12 [595], Malapert11 [420], KrogtLPHJ07 [608], KuchcinskiW03 [366], HookerO03 [313], Thorsteinsson01 [587], Simonis99 [558], Simonis95a [556], DincbasSH90 [184]	PrataAN23 [509], IsikYA23 [321], MontemanniD23 [447], JuvinHL23a [331], Fatemi-AnarakiTFV23 [212], JungblutK22 [327], FarsiTM22 [211], ColT22 [160], JuvinHL22 [329], MullerMKP22 [451], KoehlerBFFHPSSS21 [348], Zahout21 [652], ArmstrongGOS21 [26], Astrand21 [35], WallaceY20 [627], GroleazNS20 [263], Hooker19 [312], HoundjiSW19 [316], EscobetPQPRA19 [201], CauwelaertLS18 [141], Ham18a [274], TangLWSK18 [574], CappartTSR18 [130], Hooker17 [311], HechingH16 [288], Dejemeppe16 [172], Bonfietti16 [106], BridiBLMB16 [120], TranAB16 [594]... (Total: 70)

Table 13: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	cumulative	PovedaAA23 [506], TardivoDFMP23 [575], NaderiRR23 [460], AalianPG23 [1], KameugneFND23 [336], IsikYA23 [321], LacknerMMWW23 [374], FetgoD22 [214], PohlAK22 [502], OuelletQ22 [486], ZhangJZL22 [657], LuoB22 [416], BoudreaultSLQ22 [117], Lemos21 [381], Groleaz21 [261], Zahout21 [652], LacknerMMWW21 [373], HanenKP21 [277], KovacsTKSG21 [361], Godet21a [246], SacramentoSP20 [526], Polo-MejiaALB20 [503], Mercier-AubinGQ20 [437], WallaceY20 [627], GodetLHS20 [247], GroleazNS20a [262], ThomasKS20 [586], GroleazNS20 [263], Hooker19 [312]... (Total: 164)	PrataAN23 [509], abs-2402-00459 [469], ForbesHJST24 [217], EfthymiouY23 [194], abs-2312-13682 [497], PerezGSL23 [496], ColT22 [160], ElciOH22 [195], YunusogluY22 [648], CampeauG22 [128], GeitzGSSW22 [238], AbreuN22 [167], HubnerGSV21 [318], HillTV21 [302], KlankeBYE21 [346], NattafM20 [467], GalleguillosKSB19 [225], NishikawaSTT19 [472], NattafHKAL19 [466], BorghesiBLMB18 [115], GedikKEK18 [233], TranVNB17a [600], HurleyOS16 [319], BoothNB16 [114], BonfiettiLZM16 [113], LimHTB16 [390], Bonfietti16 [106], CireCH16 [150], GayHLS15 [229]... (Total: 55)	GurPAE23 [270], JuvinHL23a [331], TasselGS23 [576], abs-2306-05747 [577], abs-2305-19888 [296], Bit-Monnot23 [96], YuraszeckMCCR23 [651], JuvinHHL23 [328], AbreuPNF23 [3], HeinzNVH22 [295], PopovicCGNC22 [504], abs-2211-14492 [566], SubulanC22 [565], HebrardALLCMR22 [285], JuvinHL22 [329], ArmstrongGOS22 [27], Astrand21 [35], PandeyS21a [489], ArtiguesHQT21 [32], KoehlerBFFHPSSS21 [348], GeibingerMM21 [237], ArmstrongGOS21 [26], ZouZ20 [669], HauderBRPA20 [283], CauwelaertDS20 [142], abs-1902-09244 [282], FrimodigS19 [221], HoundjiSW19 [316], WikarekS19 [634]... (Total: 113)
Constraints	cycle	AalianPG23 [1], Astrand0F21 [36], Astrand21 [35], AntuoriHHEN21 [22], Groleaz21 [261], AbohashimaEG21 [2], GroleazNS20a [262], AntuoriHHEN20 [21], WallaceY20 [627], AstrandJZ20 [38], ParkUJR19 [493], Caballero19 [126], BorghesiBLMB18 [115], AstrandJZ18 [37], GomesM17 [255], Dejemeppe16 [172], BridiBLMB16 [120], BonfiettiLBM14 [109], BessiereHMW14 [93], BegB13 [75], MenciaSV12 [433], MalapertCGJLR12 [421], Malapert11 [420], LombardiBMB11 [400], Schutt11 [534], SunLYL10 [567], LombardiMRB10 [408], BocewiczBB09 [101], RuggieroBBMA09 [525]... (Total: 43)	ArmstrongGOS21 [26], Simonis07 [559], SimonisCK00 [560], BeldiceanuCDP11 [80]	Fatemi-AnarakiTFV23 [212], Bit-Monnot23 [96], AkramNHRSA23 [13], GuoZ23 [269], ZhangBB22 [658], BourreauGGLT22 [118], AbreuN22 [167], HamPK21 [275], ArmstrongGOS21 [26], Zahout21 [652], AbreuAPNM21 [166], FanXG21 [210], HauderBRPA20 [283], FallahiAC20 [209], TangB20 [573], Mercier-AubinGQ20 [437], QinDCS20 [512], BadicaBI20 [39], MokhtarzadehTNF20 [443], Novas19 [474], Hooker19 [312], BadicaBIL19 [40], abs-1902-09244 [282], KucukY19 [368], EscobetPQPRA19 [201], TangLWSK18 [574], Ham18a [274], MusliuSS18 [455], LaborieRSV18 [372]... (Total: 88)
Constraints	diffn	ArmstrongGOS21 [26], Simonis07 [559], SimonisCK00 [560], BeldiceanuCDP11 [80]	BeldiceanuCDP11 [80]	LuoB22 [416], BourreauGGLT22 [118], KreterSS17 [363], KreterSS15 [362], TrojetHL11 [602], Malapert11 [420], ChenGPSH10 [146], Timpe02 [588], Simonis99 [558], GruianK98 [264], SimonisC95 [561], Simonis95a [556], Simonis95 [557]
Constraints	disjunctive	JuvinHHL23 [328], NaderiRR23 [460], Bit-Monnot23 [96], AfsarVPG23 [8], YuraszeckMPV22 [650], BourreauGGLT22 [118], ZhangBB22 [658], JuvinHL22 [329], Astrand21 [35], Groleaz21 [261], Godet21a [246], KoehlerBFFHPSSS21 [348], GodetLHS20 [247], LaborieRSV18 [372], FahimiOQ18 [206], German18 [240], GokgurHO18 [249], NattafAL17 [463], HookerH17 [314], Pralet17 [507], MossigeGSMC17 [448], KuB16 [365], FontaineMH16 [216], Fahimi16 [205], GoelSHFS15 [248], Siala15a [552], GayHS15a [231], MelgarejoLS15 [11], GrimesH15 [258]... (Total: 79)	JuvinHL23a [331], Adelgren2023 [7], BoudreaultSLQ22 [117], Astrand0F21 [36], GeibingerMM21 [237], SacramentoSP20 [526], AstrandJZ20 [38], RoshanaeiBAUB20 [521], MejiaY20 [431], Polo-MejiaALB20 [503], YangSS19 [644], CauwelaertLS18 [141], DemirovicS18 [177], TanT18 [572], KameugneFGQ18 [335], Dejemeppe16 [172], Nattaf16 [461], SimoninAHL15 [555], EvenSH15 [203], EvenSH15a [204], GayHS15 [230], VilimLS15 [621], LipovetzkyBPS14 [394], KameugneFSN14 [338], HarjunkoskiMBC14 [279], GaySS14 [232], MalapertCGJLR13 [422], MalapertCGJLR12 [421], KelbelH11 [341]... (Total: 46)	abs-2402-00459 [469], LacknerMMWW23 [374], TardivoDFMP23 [575], ZhuSZW23 [666], abs-2306-05747 [577], KameugneFND23 [336], PovedaAA23 [506], EfthymiouY23 [194], TasselGS23 [576], Fatemi-AnarakiTFV23 [212], AbreuPNF23 [3], NaderiBZ22 [457], MullerMKP22 [451], ElciOH22 [195], OuelletQ22 [486], NaderiBZ22a [456], ColT22 [160], abs-2211-14492 [566], OujanaAYB22 [487], KlankeBYE21 [346], ZhangYW21 [659], Lunardi20 [414], ZarandiASC20 [654], Mercier-AubinGQ20 [437], CauwelaertDS20 [142], WallaceY20 [627], KucukY19 [368], abs-1911-04766 [235], ArkhipovBL19 [25]... (Total: 139)

Table 13: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	endBeforeStart	SubulanC22 [565], QinDCS20 [512]	ZhuSZW23 [666], NaderiRR23 [460], IsikYA23 [321], NaderiBZ22a [456], PandeyS21a [489], LunardiBLRV20 [413], Lunardi20 [414], MengZRZL20 [435], LaborieRSV18 [372], NovaraNH16 [473], Laborie09 [370]	JuvinHHL23 [328], YuraszeckMCCR23 [651], CzerniachowskaWZ23 [159], JuvinHL23a [331], LacknerMMWW23 [374], JuvinHL23 [330], AalianPG23 [1], Teppan22 [579], YunusogluY22 [648], CampeauG22 [128], JuvinHL22 [329], ZhangJZL22 [657], HamPK21 [275], HubnerGSV21 [318], ZhangYW21 [659], LacknerMMWW21 [373], TangB20 [573], ZouZ20 [669], SacramentoSP20 [526], BenediktMH20 [86], Polo-MejiaALB20 [503], MurinR19 [452], abs-1902-09244 [282], ParkUJR19 [493], GeibingerMM19 [236], abs-1911-04766 [235], Novas19 [474], NishikawaSTT18a [471], NishikawaSTT18 [470]... (Total: 32)
Constraints	geost	BeldiceanuCDP11 [80]	LetortBC12 [383], PembertonG98 [494]	Letort13 [382], Malapert11 [420], Schutt11 [534], BeldiceanuCP08 [81]
Constraints	noOverlap	abs-2305-19888 [296], NaderiRR23 [460], IsikYA23 [321], ZhuSZW23 [666], JuvinHHL23 [328], HeinzNVH22 [295], ColT22 [160], PopovicCGNC22 [504], Groleaz21 [261], VlKHT21 [623], LunardiBLRV20 [413], Lunardi20 [414], QinDCS20 [512], GedikKEK18 [233], MelgarejoLS15 [11]	KimCMLLP23 [345], abs-2306-05747 [577], LacknerMMWW23 [374], TasselGS23 [576], AbreuN22 [167], YuraszeckMPV22 [650], PohlAK22 [502], NaderiBZ22a [456], SvancaraB22 [569], KlankeBYE21 [346], Bedhief21 [74], BenderWS21 [84], RoshanaeiBAUB20 [521], BenediktMH20 [86], MengZRZL20 [435], ZouZ20 [669], SacramentoSP20 [526], YounespourAKE19 [645], MalapertN19 [423], MurinR19 [452], abs-1911-04766 [235], EscobetPQPRA19 [201], Novas19 [474], Ham18a [274], LaborieRSV18 [372], ZhangW18 [660], ArbaouiY18 [24], Ham18 [273], TranVNB17 [599]... (Total: 36)	AbreuNP23 [168], JuvinHL23 [330], JuvinHL23a [331], YuraszeckMC23 [649], AalianPG23 [1], CzerniachowskaWZ23 [159], SquillaciPR23 [564], AbreuPNF23 [3], Teppan22 [579], YunusogluY22 [648], WinterMMW22 [635], JuvinHL22 [329], CampeauG22 [128], OujanaAYB22 [487], ArmstrongGOS22 [27], EmdeZD22 [199], TouatBT22 [592], ZhangJZL22 [657], NaderiBZ22 [457], HamPK21 [275], AbreuAPNM21 [166], LacknerMMWW21 [373], GroleazNS20 [263], GroleazNS20a [262], NattafM20 [467], Polo-MejiaALB20 [503], BogaerdtW19 [607], NattafDYW19 [465], ColT19 [156]... (Total: 40)
Constraints	regular expression		FrimodigS19 [221]	HookerH17 [314]
Constraints	span constraint		Groleaz21 [261], CappartS17 [129], SchuttFS13 [537], LombardiM10a [402], Lombardi10 [398], Darby-DowmanLMZ97 [163]	OujanaAYB22 [487], ZhangBB22 [658], TangB20 [573], ZouZ20 [669], YounespourAKE19 [645], LaborieRSV18 [372], SimoninAHL15 [555], SimoninAHL12 [554], SchuttFSW11 [540]
Constraints	table constraint	Lombardi10 [398], LombardiM10a [402], Baptiste02 [44], PapaB98 [492]	JelinekB16 [325], LombardiMRB10 [408]	PerezGSL23 [496], abs-2312-13682 [497], ArmstrongGOS21 [26], CauwelaertLS18 [141], Siala15a [552], GayHS15 [230], PesantRR15 [498], MelgarejoLS15 [11], LimtanyakulS12 [393], BeniniLMR11 [90], BeckFW11 [66], HermenierDL11 [300], LopesCSM10 [409], MouraSCL08 [450], GodardLN05 [245], Laborie03 [369], ElkhayriGJ02 [197]

7.4 Concept Type ProgLanguages

Table 14: Works for Concepts of Type ProgLanguages

Type	Keyword	High	Medium	Low
ProgLanguages	C	KoehlerBFFHPSSS21 [348]		EmdeZD22 [199], HubnerGSV21 [318], ThomasKS20 [586], BogaerdtW19 [607], TangLWSK18 [574], LaborieRSV18 [372], HoYCLLC18 [303], LombardiMRB10 [408], Lombardi10 [398], LombardiM10a [402], Laborie09 [370], GarridoOS08 [228], Layfield02 [380]
ProgLanguages	C++	Pape94 [490]	BourreauGGLT22 [118], Demassey03 [175]	TardivoDFMP23 [575], JuvinHHL23 [328], PopovicCGNC22 [504], NaderiBZ22a [456], ColT22 [160], Astrand21 [35], AntuoriHHEN21 [22], QinWSLS21 [511], AbreuAPNM21 [166], Lemos21 [381], Polo-MejiaALB20 [503], AstrandJZ20 [38], RoshanaeiBAUB20 [521], Mercier-AubinGQ20 [437], abs-1902-01193 [14], Caballero19 [126], LaborieRSV18 [372], ArbaouiY18 [24], TranPZLDB18 [597], GomesM17 [255], NattafAL17 [463], Nattaf16 [461], BoothNB16 [114], Tesch16 [582], Bonfietti16 [106], NattafALR16 [464], Fahimi16 [205], NattafAL15 [462], Kameugne14 [333]... (Total: 72)
ProgLanguages	Java	abs-2102-08778 [155], Malapert11 [420]	Froger16 [222], Wolf11 [638], KuchcinskiW03 [366]	abs-2306-05747 [577], AlfieriGPS23 [15], TasselGS23 [576], KameugneFND23 [336], MullerMKP22 [451], FetgoD22 [214], ColT22 [160], YuraszeckMPV22 [650], OuelletQ22 [486], Teppan22 [579], Groleaz21 [261], FanXG21 [210], AntuoriHHEN21 [22], Lemos21 [381], ArmstrongGOS21 [26], CauwelaertDS20 [142], MejiaY20 [431], SacramentoSP20 [526], ThomasKS20 [586], TangB20 [573], BarzegaranZP20 [61], abs-1911-04766 [235], FrohnerTR19 [223], Tom19 [589], ColT19 [156], GeibingerMM19 [236], CauwelaertLS18 [141], GombolayWS18 [253], OuelletQ18 [485]... (Total: 59)
ProgLanguages	Julia			HebrardALLCMR22 [285], ElciOH22 [195], Astrand21 [35], Groleaz21 [261], CatusseCBL16 [139]
ProgLanguages	Lisp	Pape94 [490]		Wallace96 [625]
ProgLanguages	Prolog	ArmstrongGOS21 [26], Simonis99 [558], FalaschiGMP97 [208], Zhou97 [663], LammaMM97 [377], Wallace96 [625], Touraivane95 [593], Simonis95a [556], Simonis95 [557], DincbasSH90 [184]	BadicaBI20 [39], MossigeGSMC17 [448], Madi-WambaLOBM17 [418], Malapert11 [420], MartinPY01 [427], SimonisCK00 [560], RodosekW98 [518], Zhou96 [662], SimonisC95 [561], BeldiceanuC94 [78], AggounB93 [9]	PopovicCGNC22 [504], ArmstrongGOS22 [27], ZarandiASC20 [654], abs-1902-01193 [14], YangSS19 [644], CauwelaertLS18 [141], German18 [240], JelinekB16 [325], LetortCB15 [385], Kameugne14 [333], LetortCB13 [384], Letort13 [382], Clercq12 [169], LetortBC12 [383], Schutt11 [534], TrojetHL11 [602], BeldiceanuCDP11 [80], Menana11 [432], BartakCS10 [56], AronssonBK09 [29], BeldiceanuCP08 [81], KrogtLPHJ07 [608], Simonis07 [559], QuSN06 [513], Geske05 [241], PoderBS04 [501], Baptiste02 [44], Bartak02 [54], BeldiceanuC02 [79]... (Total: 38)
ProgLanguages	Python	KoehlerBFFHPSSS21 [348]	ForbesHJST24 [217], GuoZ23 [269], Fatemi-AnarakiTFV23 [212], abs-2211-14492 [566], AbreuN22 [167], AbreuAPNM21 [166], LaborieRSV18 [372]	EfthymiouY23 [194], SquillaciPR23 [564], Mehdizadeh-Somarin23 [430], AbreuNP23 [168], KimCMLLP23 [345], MontemanniD23 [447], PovedaAA23 [506], MontemanniD23a [446], AkramNHRSA23 [13], NaderiRR23 [460], AbreuPNF23 [3], FetgoD22 [214], PohlAK22 [502], MullerMKP22 [451], ZhangBB22 [658], EtminaniesfahaniGNMS22 [202], LuoB22 [416], CampeauG22 [128], KlankeBYE21 [346], FanXG21 [210], Lemos21 [381], HanenKP21 [277], BenderWS21 [84], AbohashimaEG21 [2], Lunardi20 [414], LunardiBLRV20 [413], Mercier-AubinGQ20 [437], FrimodigS19 [221], BehrensLM19 [76]... (Total: 39)

7.5 Concept Type CPSystems

Table 15: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	CHIP	TrojetHL11 [602], Simonis07 [559], SimonisCK00 [560], Simonis99 [558], GruianK98 [264], Wallace96 [625], Simonis95 [557], Goltz95 [252], SimonisC95 [561], Simonis95a [556], BeldiceanuC94 [78], AggounB93 [9], DincbasSH90 [184]	ArmstrongGOS21 [26], YangSS19 [644], LaborieRSV18 [372], HookerH17 [314], Geske05 [241], PoderBS04 [501], Timpe02 [588], Beck99 [62], RodosekW98 [518], Zhou97 [663], LammaMM97 [377]	PrataAN23 [509], TardivoDFMP23 [575], KameugneFND23 [336], LuoB22 [416], FetgoD22 [214], BourreauGGLT22 [118], PopovicCGNC22 [504], Godet21a [246], KlankeBYE21 [346], GodetLHS20 [247], Caballero19 [126], abs-1902-01193 [14], BaptisteB18 [46], KameugneFGOQ18 [335], CauwelaertLS18 [141], GoldwaserS18 [251], GokgurHO18 [249], MossigeGSMC17 [448], Pralet17 [507], KreterSS17 [363], Madi-WambaB16 [417], Dejemeppe16 [172], Fahimi16 [205], FontaineMH16 [216], ZhouGL15 [664], SimoninAHL15 [555], LetortCB15 [385], Siala15a [552], KreterSS15 [362]... (Total: 79)
CPSystems	CPO	NaderiRR23 [460], LacknerMMWW23 [374], JuvinHHL23 [328], Bit-Monnot23 [96], CzerniachowskaWZ23 [159], JuvinHL23a [331], WinterMMW22 [635], ZhangBB22 [658], ColT22 [160], NaderiBZ22 [457], Groleaz21 [261], LacknerMMWW21 [373], ArmstrongGOS21 [26], Zahout21 [652], Lunardi20 [414], NattafM20 [467], GroleazNS20 [263], ThomasKS20 [586], Polo-MejiaALB20 [503], GroleazNS20a [262], SacramentoSP20 [526], GeibingerMM19 [236], ColT19 [156], MalapertN19 [423], LaborieRSV18 [372], CappartTSR18 [130], KreterSS17 [363], GoelSHFS15 [248], PraletLJ15 [508]... (Total: 31)	AalianPG23 [1], JuvinHL22 [329], abs-1911-04766 [235], Dejemeppe16 [172], GrimesH15 [258], NuijtenA96 [480], NuijtenA94 [478]	JuvinHL23 [330], PovedaAA23 [506], NaderiBZ22a [456], OujanaAYB22 [487], GeibingerMM21 [237], abs-2102-08778 [155], TangB20 [573], Caballero19 [126], Laborie18a [371], Ham18a [274], Pralet17 [507], VilimLS15 [621], BartakSR10 [58], GarridoAO09 [227], Vilim09 [616], GarridoOS08 [228], BeldiceanuC94 [78]
CPSystems	Choco Solver	TasselGS23 [576], abs-2306-05747 [577], Godet21a [246], German18 [240], Fahimi16 [205], LetortCB15 [385], Derrien15 [178], LetortCB13 [384], OuelletQ13 [484], Letort13 [382], LetortBC12 [383], Menana11 [432], Malapert11 [420], GrimesHM09 [259], abs-0907-0939 [499], GarridoAO09 [227], GarridoOS08 [228], Elkhayari03 [196]	KameugneFND23 [336], MullerMKP22 [451], FetgoD22 [214], AntuoriHHEN21 [22], AntuoriHHEN20 [21], LiuLH19 [395], FahimiOQ18 [206], KameugneFGOQ18 [335], LaborieRSV18 [372], Froger16 [222], GayHS15 [230], KoschB14 [353], DerrienPZ14 [180], Kameugne14 [333], DerrienP14 [179], MalapertCGJLR12 [421], Clercq12 [169], HermenierDL11 [300], ClercqPBJ11 [151]	BourreauGGLT22 [118], OuelletQ22 [486], Groleaz21 [261], GodetLHS20 [247], YangSS19 [644], OuelletQ18 [485], GingrasQ16 [244], Madi-WambaB16 [417], AmadiniGM16 [17], EvenSH15a [204], MurphyMB15 [453], EvenSH15 [203], GrimesH15 [258], BessiereHMQW14 [93], MalapertCGJLR13 [422], SimonisH11 [562], BartakSR10 [58], RossiTHP07 [524], CorreaLR07 [158], Baptiste02 [44]
CPSystems	Chuffed	LacknerMMWW23 [374], PovedaAA23 [506], BoudreaultSLQ22 [117], MullerMKP22 [451], LacknerMMWW21 [373], GeibingerMM21 [237], ArmstrongGOS21 [26], Godet21a [246], KoehlerBFFHPSSS21 [348], WallaceY20 [627], GodetLHS20 [247], abs-1911-04766 [235], KreterSSZ18 [364], YoungFS17 [646], KreterSS17 [363], SzerediS16 [570], KreterSS15 [362]	GoldwaserS18 [251]	Caballero19 [126], SchuttS16 [543]
CPSystems	Claire	Nattaf16 [461], Siala15a [552], Malapert11 [420], Demassey03 [175], Elkhayari03 [196], BaptisteP00 [49]	Zahout21 [652], Menana11 [432], BaptisteP97 [48]	HebrardALLCMR22 [285], HananKP21 [277], Godet21a [246], Derrien15 [178], Kameugne14 [333], Letort13 [382], Baptiste02 [44], PapaB98 [492]

Table 15: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	Cplex	GuoZ23 [269], CzerniachowskaWZ23 [159], NaderiRR23 [460], ZhuSZW23 [666], Adelgren2023 [7], AfsarVPG23 [8], SubulanC22 [565], NaderiBZ22 [457], EtminaniesfahaniGNMS22 [202], ElciOH22 [195], BourreauGGLT22 [118], EmdeZD22 [199], MullerMKP22 [451], WinterMMW22 [635], HubnerGSV21 [318], GeibingerKKMMW21 [234], KoehlerBFFHPSSS21 [348], PandeyS21a [489], Bedhief21 [74], Lemos21 [381], Groleaz21 [261], HamPK21 [275], QinDCS20 [512], ZouZ20 [669], SacramentoSP20 [526], MejiaY20 [431], LunardiBLRV20 [413], Lunardi20 [414], RoshanaeiBAUB20 [521]... (Total: 54)	Fatemi-AnarakiTFV23 [212], LacknerMMWW23 [374], Mehdezadeh-Somarin23 [430], AbreuNP23 [168], IsikYA23 [321], CampeauG22 [128], YunusogluY22 [648], LuoB22 [416], ColT22 [160], TouatBT22 [592], NaderiBZ22a [456], LacknerMMWW21 [373], KovacsTKSG21 [361], Zahout21 [652], QinWLSL21 [511], ArmstrongGOS21 [26], MokhtarzadehTNF20 [443], HauderBRPA20 [283], NattafM20 [467], WallaceY20 [627], NattafHKAL19 [466], abs-1902-09244 [282], MalapertN19 [423], Novas19 [474], Ham18a [274], German18 [240], RoshanaeiLAU17 [522], GomesM17 [255], HamC16 [276]... (Total: 60)	AlfieriGPS23 [15], JuvinHL23 [330], SquillaciPR23 [564], GurPAE23 [270], PovedaAA23 [506], YuraszeckMCCR23 [651], PenzDN23 [495], AalianPG23 [1], JuvinHL23a [331], AbreuPNF23 [3], FarsiTM22 [211], abs-2211-14492 [566], YuraszeckMPV22 [650], JuvinHL22 [329], PohlAK22 [502], PopovicCGNC22 [504], AbreuN22 [167], ArtiguesHQT21 [32], ZhangYW21 [659], abs-2102-08778 [155], GeibingerMM21 [237], FanXG21 [210], Astrand21 [35], VlkHT21 [623], KlankeBYE21 [346], AbreuAPNM21 [166], TangB20 [573], ThomasKS20 [586], Polo-MejiaALB20 [503]... (Total: 112)
CPSystems	ECLiPSe	BadicaBI20 [39], BadicaBIL19 [40], RodosekW98 [518]	Kameugne14 [333], Malapert11 [420], Schutt11 [534], SchuttFSW11 [540], MilanoW09 [441], LiW08 [386], Wallace06 [626], MilanoW06 [440], KanetAG04 [339], KamarainenS02 [332], Simonis99 [558], Darby-DowmanLMZ97 [163], Wallace96 [625]	FanXG21 [210], MejiaY20 [431], WikarekS19 [634], HookerH17 [314], HarjunkoskiMBC14 [279], Clercq12 [169], ZeballosQH10 [656], LombardiMRB10 [408], SchuttFSW09 [538], BeniniBGM06 [88], ChuX05 [148], QuirogaZH05 [514], HarjunkoskiG02 [278], Baptiste02 [44], MartinPY01 [427], JainG01 [323], LammaMM97 [377]
CPSystems	Gecode	TardivoDFMP23 [575], Astrand21 [35], BadicaBI20 [39], AstrandJZ20 [38], BadicaBIL19 [40], SzerediS16 [570], Fahimi16 [205], ZhouGL15 [664], GayHS15 [230], Kameugne14 [333], KameugneFSN14 [338], OhrimenkoSC09 [483]	MullerMKP22 [451], Groleaz21 [261], AntuoriHHEN21 [22], GeibingerKKMMW21 [234], Astrand0F21 [36], FrohnerTR19 [223], abs-1911-04766 [235], GeibingerMM19 [236], LaborieRSV18 [372], BurtLPS15 [124], BofilLEGPSV14 [104], KovacsK11 [358], KameugneFSN11 [337], Malapert11 [420], ThiruvadyBME09 [584]	ArmstrongGOS21 [26], WessenCS20 [633], WallaceY20 [627], MengZRZL20 [435], FrimodigS19 [221], YangSS19 [644], MusliuSS18 [455], CauwelaertLS18 [141], AstrandJZ18 [37], GoldwasserS18 [251], GoldwasserS17 [250], AmadiniGM16 [17], Dejemeppe16 [172], PesantRR15 [498], HarjunkoskiMBC14 [279], LombardiMB13 [407], Clercq12 [169], MonetteDD07 [444]
CPSystems	Gurobi	WangB23 [629], NaderiRR23 [460], LacknerMMWW23 [374], Adelgren2023 [7], WinterMMW22 [635], ZhangBB22 [658], KovacsTKSG21 [361], GeibingerKKMMW21 [234], KoehlerBFFHPSSS21 [348], LacknerMMWW21 [373], Lemos21 [381], WangB20 [628], WallaceY20 [627], FrohnerTR19 [223], MusliuSS18 [455], GombolayWS18 [253], RoshanaeiLAU17 [522], KuB16 [365]	ForbesHJST24 [217], GuoZ23 [269], VlkHT21 [623], Groleaz21 [261], GoldwasserS18 [251], GoldwasserS17 [250], FontaineMH16 [216], Froger16 [222]	KimCMLLP23 [345], abs-2305-19888 [296], MontemanniD23 [447], HeinzNVH22 [295], PohlAK22 [502], HubnerGSV21 [318], FanXG21 [210], KlankeBYE21 [346], AbohashimaEG21 [2], BenediktMH20 [86], MengZRZL20 [435], He0GLW18 [284], DemirovicS18 [177], BenediktSMVH18 [87], TranAB16 [594], AmadiniGM16 [17], BurtLPS15 [124], PesantRR15 [498], HarjunkoskiMBC14 [279]
CPSystems	Ilog Scheduler	GrimesH11 [257], Malapert11 [420], ZeballosQH10 [656], Laborie03 [369]	LaborieRSV18 [372], NovasH12 [476], HeinzB12 [290], LimtanyakulS12 [393], HeckmanB11 [289], BeckFW11 [66], GrimesHM09 [259], WatsonB08 [632], ZeballosH05 [655], BeckR03 [70], JainG01 [323], Beck99 [62], NuijtenP98 [479]	Laborie18a [371], KuB16 [365], SchuttS16 [543], Fahimi16 [205], TranWDRFOVB16 [601], GrimesH15 [258], TerekhovTDB14 [581], NovasH14 [477], TerekhovDOB12 [580], BeniniLMR11 [90], KovacsB11 [356], SchuttFSW11 [540], Schutt11 [534], LahimerLR11 [375], HachemiGR11 [272], LopesCSM10 [409], abs-1009-0347 [539], ChenGPSH10 [146], NovasH10 [475], CarchraeB09 [131], Vilim09a [617], RuggieroBBMA09 [525], BidotVLB09 [94], BeniniLMR08 [89], KovacsB08 [355], MouraSCL08a [449], MouraSCL08 [450], HoeveGSL07 [609], Beck07 [64]... (Total: 57)

Table 15: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	Ilog Solver		GrimesH11 [257], ZeballosQH10 [656], LiW08 [386], SchausD08 [530], HarjunkoskiG02 [278], JainG01 [323]	abs-1902-01193 [14], LaborieRSV18 [372], HookerH17 [314], Dejemeppe16 [172], ZarandiKS16 [653], Siala15a [552], PesantRR15 [498], BonfiettiLBM14 [109], NovasH14 [477], OzturkTHO13 [488], LombardiMB13 [407], BonfiettiLBM12 [108], NovasH12 [476], TerekhovDOB12 [580], HeinzB12 [290], LombardiM12a [404], KelbelH11 [341], BonfiettiLBM11 [107], BajestaniB11 [41], KovacsK11 [358], KovacsB11 [356], BandaSC11 [170], TopalogluO11 [590], Schutt11 [534], LombardiM10 [403], abs-1009-0347 [539], LopesCSM10 [409], Lombardi10 [398], ChenGPSH10 [146]... (Total: 60)
CPSystems	MiniZinc	LacknerMMWW23 [374], TardivoDFMP23 [575], ColT22 [160], BoudreaultSLQ22 [117], MullerMKP22 [451], JungblutK22 [327], ArmstrongGOS21 [26], KoehlerBFFHPSSS21 [348], LacknerMMWW21 [373], Mercier-AubinGQ20 [437], WallaceY20 [627], abs-1911-04766 [235], ColT19 [156], FrohnerTR19 [223], GeibingerMM19 [236], HookerH17 [314], YoungFS17 [646], LiuCGM17 [396], AmadiniGM16 [17], SzerediS16 [570], BofillEGPSV14 [104], KelarevaTK13 [340]	PovedaAA23 [506], Godet21a [246], MusliuSS18 [455], KreterSS17 [363], KreterSS15 [362]	Bit-Monnot23 [96], OuelletQ22 [486], GeibingerKKMMW21 [234], abs-2102-08778 [155], abs-1901-07914 [77], Hooker19 [312], Caballero19 [126], FrimodigS19 [221], BehrensLM19 [76], KreterSSZ18 [364], DemirovicS18 [177], CappartTSR18 [130], TranVNB17 [599], FontaineMH16 [216], SchuttS16 [543], BurtLPS15 [124], HeinzSB13 [294], SchuttFS13 [537]
CPSystems	Mistral	JuvinHHL23 [328], Siala15a [552], Malapert11 [420], GrimesHM09 [259]	Bit-Monnot23 [96], Kameugne14 [333], BillautHL12 [95]	GrimesH15 [258], SialaAH15 [553]
CPSystems	OPL	LacknerMMWW23 [374], GuoZ23 [269], YunusogluY22 [648], MullerMKP22 [451], TouatBT22 [592], ColT22 [160], LacknerMMWW21 [373], PandeyS21a [489], KoehlerBFFHPSSS21 [348], QinDCS20 [512], Novas19 [474], EscobetPQPRA19 [201], TangLWSK18 [574], LaborieRSV18 [372], NovaraNH16 [473], Dejemeppe16 [172], AlesioNBG14 [181], LouieVNB14 [412], NovasH12 [476], HachemiGR11 [272], ZeballosQH10 [656], Laborie09 [370], LiW08 [386], KhayatLR06 [343], KanetAG04 [339], JainG01 [323], AggounB93 [9]	SubulanC22 [565], Teppan22 [579], Mercier-AubinGQ20 [437], ZarandiASC20 [654], ZouZ20 [669], MurinR19 [452], Laborie18a [371], CappartTSR18 [130], HookerH17 [314], LimBTBB15 [391], WangMD15 [630], EvenSH15a [204], NovasH14 [477], HarjunkoskiMBC14 [279], OzturkTHO13 [488], SerraNM12 [546], HeinzB12 [290], TopalogluO11 [590], EdisO11 [191], KelbelH11 [341], ZibraniR11a [668], Menana11 [432], NovasH10 [475], Wolf09 [640], MilanoW09 [441], Simonis07 [559], GarganiR07 [226], CorreaLR07 [158], Hooker07 [309]... (Total: 42)	abs-2402-00459 [469], ForbesHJST24 [217], GurPAE23 [270], CzerniachowskaWZ23 [159], MontemanniD23 [447], IsikYA23 [321], Fatemi-AnarakiTFV23 [212], EfthymiouY23 [194], YuraszcekMCCR23 [651], PerezGSL23 [496], AbreuNP23 [168], abs-2312-13682 [497], AbreuPNF23 [3], GeitzGSSW22 [238], ArmstrongGOS22 [27], ZhangBB22 [658], BoudreaultSLQ22 [117], OujanaAYB22 [487], LiFJZLL22 [387], VlkhT21 [623], Astrand21 [35], Bedhief21 [74], HamPK21 [275], QinWSLS21 [511], Groleaz21 [261], Godet21a [246], abs-2102-08778 [155], HubnerGSV21 [318], Lemos21 [381]... (Total: 109)
CPSystems	OR-Tools	abs-2402-00459 [469], LacknerMMWW23 [374], abs-2211-14492 [566], ColT22 [160], MullerMKP22 [451], abs-2102-08778 [155], KovacsTKSG21 [361], LacknerMMWW21 [373], KoehlerBFFHPSSS21 [348], Groleaz21 [261], FallahiAC20 [209], ColT19 [156], GayHS15 [230]	EfthymiouY23 [194], BoudreaultSLQ22 [117], GeibingerKKMMW21 [234], Godet21a [246], BarzegaranZP20 [61], ThomasKS20 [586], LiuCGM17 [396], Dejemeppe16 [172]	Bit-Monnot23 [96], KimCMLLP23 [345], MontemanniD23 [447], AkramNHRSA23 [13], MontemanniD23a [446], EtminaniesfahaniGNMS22 [202], Teppan22 [579], KlankeBYE21 [346], MengZRZL20 [435], GroleazNS20 [263], GalleguillosKSB19 [225], BehrensLM19 [76], abs-1901-07914 [77], YangSS19 [644], PourDERB18 [505], BonfiettiZLM16 [113], AmadiniGM16 [17], ZhouGL15 [664], LombardiMB13 [407], LombardiM12 [405]

Table 15: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	OZ	PrataAN23 [509], NaderiRR23 [460], CzerniachowskaWZ23 [159], IsikYA23 [321], NaderiBZ22 [457], YunusogluY22 [648], Zahout21 [652], ZarandiASC20 [654], WikarekS19 [634], GokgurHO18 [249], CohenHB17 [154], Froger16 [222], TerekhovDOB12 [580], TopalogluO11 [590], NovasH10 [475], Lombardi10 [398], RuggieroBBMA09 [525], DemasseyAM05 [176], Elkhyari03 [196], Demassey03 [175], Layfield02 [380], VanczaM01 [610], SchildW00 [532], Simonis99 [558], BeldiceanuC94 [78]	GeitzGSSW22 [238], BourreauGGLT22 [118], AbreuN22 [167], NaderiBZ22a [456], SubulanC22 [565], PohlAK22 [502], Astrand21 [35], FanXG21 [210], Godet21a [246], Groleaz21 [261], AntunesABD20 [20], CauwelaertDS20 [142], GodetLHS20 [247], AstrandJZ20 [38], WessenCS20 [633], abs-1901-07914 [77], Hooker19 [312], ArkhipovBL19 [25], LiuLH19 [395], Novas19 [474], BehrensLM19 [76], CauwelaertLS18 [141], HookerH17 [314], Hooker17 [311], BridiBLMB16 [120], HebrardHJMPV16 [286], Dejemeppe16 [172], BlomBPS14 [99], BajestaniB13 [42]... (Total: 43)	Mehdizadeh-Somarin23 [430], Fatemi-AnarakiTFV23 [212], GurPAE23 [270], GuoZ23 [269], AbreuPNF23 [3], Adelgren2023 [7], MullerMKP22 [451], CampeauG22 [128], HebrardALLCMR22 [285], ZhangJZL22 [657], ArmstrongGOS22 [27], FetgoD22 [214], ElciOH22 [195], TouatBT22 [592], abs-2211-14492 [566], LiFJZLL22 [387], PopovicCGNC22 [504], AbreuAPNM21 [166], ArmstrongGOS21 [26], Bedhief21 [74], LacknerMMWW21 [373], QinWSLS21 [511], Lemos21 [381], PandeyS21a [489], ArtiguesHQT21 [32], WangB20 [628], SacramentoSP20 [526], HauderBRPA20 [283], FallahiAC20 [209]... (Total: 109)
CPSystems	SCIP	Caballero19 [126], KuB16 [365], SchnellH15 [533], HeinzSB13 [294], HeinzB12 [290], MilanoW09 [441]	HookerH17 [314], BofillCSV17 [103], TranAB16 [594], BofillEGPSV14 [104], SchuttFS13a [536], HeinzKB13 [291], CireCH13 [149]	GuoZ23 [269], NaderiRR23 [460], Groleaz21 [261], WikarekS19 [634], SzerediS16 [570], HarjunoskiMBC14 [279], KelarevaTK13 [340], HeinzS11 [293], Schutt11 [534], BertholdHLMS10 [92]
CPSystems	SICStus	ArmstrongGOS21 [26], LetortCB15 [385], Letort13 [382], LetortCB13 [384], LetortBC12 [383]	MossigeGSMC17 [448], Kameugne14 [333], Malapert11 [420], Schutt11 [534], SchuttFSW11 [540], QuSN06 [513]	ArmstrongGOS22 [27], PopovicCGNC22 [504], YangSS19 [644], German18 [240], Madi-WambaLOBM17 [418], JelinekB16 [325], Clercq12 [169], BeldiceanuCDP11 [80], TrojetHL11 [602], BartakCS10 [56], Wolf09 [640], SchuttFSW09 [538], BeldiceanuCP08 [81], Geske05 [241], Bartak02 [54], BeldiceanuC02 [79], Simonis99 [558]
CPSystems	Z3	KoehlerBFFHPSSS21 [348], YounespourAKE19 [645], Menana11 [432], SureshMOK06 [568]	NaderiRR23 [460], VlKHT21 [623], WikarekS19 [634], ArkhipovBL19 [25], German18 [240], Baptiste02 [44], Zhou97 [663]	Groleaz21 [261], Caballero19 [126], ZhangW18 [660], BofillCSV17 [103], BertholdHLMS10 [92], Rodriguez07 [520], Wallace06 [626], Layfield02 [380], Zhou96 [662]

7.6 Concept Type ApplicationAreas

Table 16: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	COVID	GuoZ23 [269]	GeibingerKKMMW21 [234]	Fatemi-AnarakiTFV23 [212], Mehdizadeh-Somarin23 [430], GurPAE23 [270], JuvinHL23a [331], OujanaAYB22 [487], Lemos21 [381]
ApplicationAreas	HVAC	LimHTB16 [390], LimBTBB15 [391], GrimesIOS14 [260]		
ApplicationAreas	agriculture			AkramNHRSA23 [13], BenderWS21 [84], HamPK21 [275], Astrand21 [35], QinWLSL21 [511], Astrand0F21 [36], MejiaY20 [431]
ApplicationAreas	aircraft	PohlAK22 [502], WangB20 [628], TranDRFWOVB16 [596], Fahimi16 [205], BajestaniB13 [42], LombardiM12 [405], BajestaniB11 [41], FrankK05 [219], ArtiouchineB05 [34], Simonis99 [558]	WangB23 [629], GombolayWS18 [253], Ham18 [273], Simonis07 [559], SakkoutW00 [529], Simonis95a [556]	PrataAN23 [509], PovedaAA23 [506], Adelgren2023 [7], EtminaniesfahaniGNMS22 [202], ElciOH22 [195], ZarandiASC20 [654], HauderBRPA20 [283], abs-1902-09244 [282], Hooker19 [312], LaborieRSV18 [372], HookerH17 [314], TranAB16 [594], Lombardi10 [398], Laborie09 [370], KovacsB08 [355], KrogLPHJ07 [608], MartinPY01 [427], SimonisCK00 [560], GruianK98 [264], Darby-DowmanLMZ97 [163], Wallace96 [625], Simonis95 [557], SimonisC95 [561]
ApplicationAreas	automotive		GuoZ23 [269], YuraszeckMPV22 [650], EmdeZD22 [199], Groleaz21 [261], LimtanyakulS12 [393], SunLYL10 [567], Lombardi10 [398], BarlattCG08 [52], SchildW00 [532]	PovedaAA23 [506], NaderiRR23 [460], CzerniachowskaWZ23 [159], NaderiBZ22 [457], NaderiBZ22a [456], AntuoriHHEN21 [22], HubnerGSV21 [318], AbreuAPNM21 [166], KoehlerBFFHPSSS21 [348], VlkHT21 [623], BarzegaranZP20 [61], GeibingerMM19 [236], abs-1911-04766 [235], BonfiettiZLM16 [113], Siala15a [552], SchnellH15 [533], AlesioNBG14 [181], HarjunkoskiMBC14 [279], BeniniBGM06 [88], KovacsV06 [360], Wallace96 [625]
ApplicationAreas	cable tree	KoehlerBFFHPSSS21 [348]		
ApplicationAreas	car manufacturing		AntuoriHHEN21 [22]	BeldiceanuC94 [78]
ApplicationAreas	container terminal	QinDCS20 [512], SacramentoSP20 [526]	LaborieRSV18 [372]	abs-2312-13682 [497], PerezGSL23 [496], TouatBT22 [592], CauwelaertDS20 [142], WallaceY20 [627], ZarandiASC20 [654], FallahiAC20 [209], Hooker19 [312], CauwelaertDMS16 [140], Dejemeppe16 [172], DejemeppeCS15 [173], NovasH12 [476], CorreaLR07 [158], LimRX04 [389]
ApplicationAreas	crew-scheduling	ZarandiASC20 [654], PourDERB18 [505]	BourreauGGLT22 [118], Zahout21 [652], GombolayWS18 [253], Mason01 [429], Touraivane95 [593]	NaderiRR23 [460], WangB23 [629], Adelgren2023 [7], EtminaniesfahaniGNMS22 [202], NaderiBZ22a [456], NaderiBZ22 [457], HeinzNVH22 [295], ElciOH22 [195], Lemos21 [381], MokhtarzadehTNF20 [443], TangLWSK18 [574], HookerH17 [314], DoulabiRP16 [190], LipovetzkyBPS14 [394], HachemiGR11 [272], MilanoW09 [441], WuBB09 [643], MilanoW06 [440], BeldiceanuC02 [79], JainG01 [323], SimonisCK00 [560]
ApplicationAreas	dairies			Bartak02 [54], Bartak02a [53]
ApplicationAreas	dairy	EscobetPQPRA19 [201]	PrataAN23 [509], HarjunkoskiMBC14 [279]	Groleaz21 [261]
ApplicationAreas	datacenter	HermenierDL11 [300]		Zahout21 [652], GalleguillosKSB19 [225], Madi-WambaLOBM17 [418], Letort13 [382], IfrimOS12 [320], LetortBC12 [383]
ApplicationAreas	datacentre		HurleyOS16 [319]	
ApplicationAreas	day-ahead market			
ApplicationAreas	deep space			HebrardALLCMR22 [285]
ApplicationAreas	drone	MontemanniD23a [446], MontemanniD23 [447], Ham18 [273]		GuoZ23 [269], JuvinHL23a [331], ShaikhK23 [547], Adelgren2023 [7], EmdeZD22 [199], Astrand21 [35], Astrand0F21 [36], AntuoriHHEN21 [22], ZarandiASC20 [654], Ham18a [274]

Table 16: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	earth observation	SquillaciPR23 [564], KucukY19 [368], VerfaillieL01 [611]	BensanaLV99 [91]	HebrardHJMPV16 [286], PraletLJ15 [508], SimoninAHL15 [555], KelarevaTK13 [340], OddiPCC03 [482]
ApplicationAreas	earth orbit			SquillaciPR23 [564]
ApplicationAreas	electroplating		RodosekW98 [518]	Fatemi-AnarakiTFV23 [212], EfthymiouY23 [194], WallaceY20 [627], NovasH12 [476]
ApplicationAreas	emergency service		EvenSH15a [204], TopalogluO11 [590]	ForbesHJST24 [217], EvenSH15 [203], SakkoutW00 [529]
ApplicationAreas	energy-price	GrimesIOS14 [260], IfrimOS12 [320]	HurleyOS16 [319], Froger16 [222]	PrataAN23 [509], EscobetPQPRA19 [201], BenediktSMVH18 [87], He0GLW18 [284], LimHTB16 [390]
ApplicationAreas	farming			WinterMMW22 [635], Astrand0F21 [36]
ApplicationAreas	forestry	HachemiGR11 [272]		Astrand0F21 [36]
ApplicationAreas	hoist	EfthymiouY23 [194], WallaceY20 [627], RodosekW98 [518]	Fatemi-AnarakiTFV23 [212], NovasH12 [476], BonfiettiLBM11 [107]	AstrandJZ18 [37], BonfiettiLBM14 [109], BonfiettiM12 [112], BonfiettiLBM12 [108], LombardiBMB11 [400], Wallace06 [626], BeckR03 [70], Baptiste02 [44], KorbaaYG99 [351], PapaB98 [492]
ApplicationAreas	medical	ShinBBHO18 [550], Dejemeppe16 [172], WangMD15 [630], Wolf11 [638], TopalogluO11 [590]	GuoZ23 [269], ZarandiASC20 [654], HechingH16 [288], DejemeppeD14 [174], RendlPHPR12 [516]	ShaikhK23 [547], AbreuNP23 [168], AkramNHRSA23 [13], IsikYA23 [321], AbreuPNF23 [3], FarsiTM22 [211], YunusogluY22 [648], AbreuN22 [167], Lemos21 [381], GeibingerKKMMW21 [234], AbreuAPNM21 [166], Bedhief21 [74], FallahiAC20 [209], ThomasKS20 [586], abs-1902-01193 [14], FrimodigS19 [221], Novas19 [474], GurEA19 [670], YounespourAKE19 [645], CappartTSR18 [130], HoYCLLC18 [303], TanT18 [572], GedikKEK18 [233], RoshanaeiLAU17 [522], TranVNB17 [599], TranVNB17a [600], DoulabiRP16 [190], BridiBLMB16 [120], BoothNB16 [114]... (Total: 36)
ApplicationAreas	nurse	GurPAE23 [270], FarsiTM22 [211], ZarandiASC20 [654], abs-1902-01193 [14], HoYCLLC18 [303], ShinBBHO18 [550], LuoVLBM16 [415], WangMD15 [630], RendlPHPR12 [516], Menana11 [432], Wolf11 [638], Simonis07 [559], Mason01 [429]	OuelletQ22 [486], GeibingerKKMMW21 [234], GeibingerMM21 [237], YounespourAKE19 [645], FrohnerTR19 [223], RoshanaeiLAU17 [522]	PerezGSL23 [496], abs-2312-13682 [497], NaderiBZ22 [457], BourreauGGLT22 [118], NaderiBZ22a [456], FallahiAC20 [209], RoshanaeiBAUB20 [521], FrimodigS19 [221], German18 [240], GedikKEK18 [233], NishikawaSTT18a [471], MusliuSS18 [455], HookerH17 [314], DoulabiRP16 [190], Dejemeppe16 [172], DoulabiRP14 [189], TopalogluO11 [590], Simonis99 [558]
ApplicationAreas	offshore		SubulanC22 [565], Froger16 [222]	BoudreaultSLQ22 [117], BlomPS16 [100], BlomBPS14 [99], Jans09 [324]
ApplicationAreas	operating room	GurPAE23 [270], NaderiRR23 [460], NaderiBZ22 [457], FarsiTM22 [211], RoshanaeiBAUB20 [521], YounespourAKE19 [645], GurEA19 [670], RoshanaeiLAU17 [522], DoulabiRP16 [190], WangMD15 [630], DoulabiRP14 [189], Wolf11 [638]	GuoZ23 [269], NaderiBZ22a [456], ElciOH22 [195], ZarandiASC20 [654], Hooker19 [312], HookerH17 [314]	ForbesHJST24 [217], PerezGSL23 [496], abs-2312-13682 [497], WangB23 [629], JuvinHL23a [331], Adelgren2023 [7], GeibingerMM21 [237], TanT18 [572], MusliuSS18 [455], Wolf09 [640]
ApplicationAreas	oven scheduling	LacknerMMWW23 [374], LacknerMMWW21 [373]		ColT22 [160]
ApplicationAreas	patient	GurPAE23 [270], FarsiTM22 [211], RoshanaeiBAUB20 [521], ThomasKS20 [586], GurEA19 [670], FrimodigS19 [221], YounespourAKE19 [645], ShinBBHO18 [550], CappartTSR18 [130], RoshanaeiLAU17 [522], HechingH16 [288], Dejemeppe16 [172], DoulabiRP16 [190], WangMD15 [630], DejemeppeD14 [174], RendlPHPR12 [516], Wolf11 [638], TopalogluO11 [590]	GeibingerKKMMW21 [234]	ForbesHJST24 [217], GuoZ23 [269], AlfieriGPS23 [15], NaderiBZ22 [457], ElciOH22 [195], AbreuAPNM21 [166], CauwelaertDS20 [142], MurinR19 [452], Hooker19 [312], HoYCLLC18 [303], TanT18 [572], GombolayWS18 [253], LouieVNB14 [412], DoulabiRP14 [189], Clercq12 [169], Malapert11 [420], Wolf09 [640], Simonis07 [559], KanetAG04 [339]
ApplicationAreas	perfect-square	BeldiceanuCDP11 [80], BeldiceanuCP08 [81], AggounB93 [9]		
ApplicationAreas	physician	GeibingerKKMMW21 [234], ShinBBHO18 [550]	Dejemeppe16 [172]	GurPAE23 [270], GuoZ23 [269], FarsiTM22 [211], FrimodigS19 [221], HookerH17 [314], WangMD15 [630], TopalogluO11 [590], Wolf11 [638]

Table 16: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	pipeline	HarjunoskiMBC14 [279], BegB13 [75], LopesCSM10 [409], Lombardi10 [398], RuggieroBBMA09 [525], MouraSCL08 [450], MouraSCL08a [449], BeniniLMR08 [89], Malik08 [424], ErtIK91 [200]	ZouZ20 [669], TangLWSK18 [574], LombardiMRB10 [408], MalikMB08 [425], BeniniBGM06 [88], WolinskiKG04 [641], BeldiceanuC94 [78]	EfthymiouY23 [194], Adelgren2023 [7], EmdeZD22 [199], PopovicCGNC22 [504], HanenKP21 [277], NishikawaSTT19 [472], NishikawaSTT18 [470], NishikawaSTT18a [471], LaborieRSV18 [372], BlomPS16 [100], Bonfietti16 [106], GilesH16 [243], GoelSHFS15 [248], SimoninAHL15 [555], BonfiettiLBM14 [109], LombardiMB13 [407], BeniniLMR11 [90], NovasH10 [475], BarlattCG08 [52], KuchcinskiW03 [366], Wolf03 [636], Simonis99 [558], GruianK98 [264], Darby-DowmanLMZ97 [163], SimonisC95 [561], Simonis95a [556]
ApplicationAreas	radiation therapy	FrimodigS19 [221]		HookerH17 [314]
ApplicationAreas	railway	SvancaraB22 [569], Lemos21 [381], PourDERB18 [505], CappartS17 [129], Acuna-AgostMFG09 [5], AronssonBK09 [29], Rodriguez07 [520], Geske05 [241], RodriguezDG02 [519], MartinPY01 [427], LammaMM97 [377]	ZarandiASC20 [654], LaborieRSV18 [372], TangLWSK18 [574], Mason01 [429], BrusoniCLMMT96 [123]	GuoZ23 [269], LuoB22 [416], Godet21a [246], Hooker19 [312], BogaerdTW19 [607], ZhouGL15 [664], BajestaniB15 [43], BajestaniB13 [42], BajestaniB11 [41], WuBB09 [643], AbrilSB05 [4], Wallace96 [625]
ApplicationAreas	real-time pricing		He0GLW18 [284], GrimesIOS14 [260]	LimHTB16 [390]
ApplicationAreas	rectangle-packing	YangSS19 [644], AggounB93 [9]	LuoB22 [416], Malapert11 [420]	MossigeGSMC17 [448], DoulabiRP16 [190], Siala15a [552], VilimLS15 [621], Schutt11 [534], BeldiceanuCDP11 [80], SchuttW10 [544], BeldiceanuCP08 [81]
ApplicationAreas	robot	Fatemi-AnarakiTFV23 [212], IsikYA23 [321], LiFJZLL22 [387], ArmstrongGOS21 [26], Astrand21 [35], KoehlerBFFHPSSS21 [348], WessenCS20 [633], ZarandiASC20 [654], MokhtarzadehTNF20 [443], Lunardi20 [414], MurinR19 [452], abs-1901-07914 [77], BehrensLM19 [76], GombolayWS18 [253], LaborieRSV18 [372], TranVNB17 [599], MossigeGSMC17 [448], TranVNB17a [600], BoothNB16 [114], NovasH14 [477], LouieVNB14 [412], NovasH12 [476], BartakSR10 [58], BidotVLB09 [94], ValleMGT03 [605], BeckF98 [67]	PrataAN23 [509], ZhuSZW23 [666], Mehdizadeh-Somarin23 [430], CzerniachowskaWZ23 [159], TouatBT22 [592], YunusogluY22 [648], NaderiBZ22a [456], OujanaAYB22 [487], Astrand0F21 [36], WallaceY20 [627], WikarekS19 [634], NishikawaSTT19 [472], NishikawaSTT18a [471], NishikawaSTT18 [470], Dejemeppe16 [172], VanczaM01 [610], BeckF00 [68], Beck99 [62]	abs-2305-19888 [296], MontemanniD23 [447], AbreuPNF23 [3], HeinzNVH22 [295], FarsiTM22 [211], GeitzGSSW22 [238], MullerMKP22 [451], ColT22 [160], YuraszeckMPV22 [650], HamPK21 [275], Groleaz21 [261], ZhangYW21 [659], Godet21a [246], VlkHT21 [623], Bedhief21 [74], FallahiAC20 [209], MengZRZL20 [435], BenediktMH20 [86], MejiaY20 [431], AstrandJZ20 [38], BarzegaranZP20 [61], Novas19 [474], GokgurHO18 [249], Ham18a [274], Ham18 [273], ZhangW18 [660], TanT18 [572], AstrandJZ18 [37], ZarandiKS16 [653]... (Total: 61)
ApplicationAreas	satellite	SquillaciPR23 [564], Godet21a [246], GodetLHS20 [247], KucukY19 [368], LaborieRSV18 [372], HebrardHJMPV16 [286], PraletLJ15 [508], KelarevaTK13 [340], VerfaillieL01 [611], BensanaLV99 [91], PembertonG98 [494]	Laborie09 [370], FrankK05 [219]	EfthymiouY23 [194], TouatBT22 [592], Astrand21 [35], Astrand0F21 [36], Zahout21 [652], ZarandiASC20 [654], Hooker19 [312], TranVNB17 [599], Pralet17 [507], Froger16 [222], TranWDRFOVB16 [601], SimoninAHL15 [555], BessiereHMqw14 [93], HeinzSB13 [294], GuyonLPR12 [271], SimoninAHL12 [554], RuggieroBBMA09 [525], Rodriguez07 [520], OddiPCC03 [482], NuijtenP98 [479]
ApplicationAreas	semiconductor	ZarandiASC20 [654], MalapertN19 [423], NattafDYW19 [465], Ham18a [274], BajestaniB15 [43], NovasH12 [476]	PenzDN23 [495], QinWSLS21 [511], GokgurHO18 [249], HamC16 [276], Davenport10 [164], LombardiMRB10 [408], KrogtLPHJ07 [608], JainM99 [322]	LacknerMMWW23 [374], Fatemi-AnarakiTFV23 [212], YuraszeckMPV22 [650], abs-2211-14492 [566], EmdeZD22 [199], MullerMKP22 [451], ColT22 [160], ZhangJZL22 [657], FanXG21 [210], LacknerMMWW21 [373], HamPK21 [275], Astrand21 [35], PandeyS21a [489], MengZRZL20 [435], NattafM20 [467], TangB20 [573], Novas19 [474], LaborieRSV18 [372], Ham18 [273], GrimesH15 [258], KoschB14 [353], TerekhovTDB14 [581], HarjunoskiMBC14 [279], Malapert11 [420], Lombardi10 [398]
ApplicationAreas	ship building			
ApplicationAreas	shipping line			QinDCS20 [512], LaborieRSV18 [372], KelarevaTK13 [340]
ApplicationAreas	steel cable			AalianPG23 [1]
ApplicationAreas	steel mill	GaySS14 [232], Letort13 [382], HeinzSSW12 [292], SchausHMCMD11 [531], HentenryckM08 [299], GarganiR07 [226]		abs-2312-13682 [497], PerezGSL23 [496], DoulabiRP16 [190], MenciaSV13 [434], MenciaSV12 [433]

Table 16: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	super-computer	BorghesiBLMB18 [115], BridiBLMB16 [120], BartoliniBBLM14 [60]		LuoB22 [416], GalleguillosKSB19 [225], HurleyOS16 [319], Dejemeppe16 [172]
ApplicationAreas	surgery	GurPAE23 [270], FarsiTM22 [211], RoshanaeiBAUB20 [521], GurEA19 [670], YounespourAKE19 [645], RoshanaeiLAU17 [522], DoulabiRP16 [190], WangMD15 [630], DoulabiRP14 [189], Wolf11 [638], Wolf09 [640]	ZarandiASC20 [654], TopalogluO11 [590]	ForbesHJST24 [217], AlfieriGPS23 [15], ElciOH22 [195], NaderiBZ22 [457], Lemos21 [381], FrimodigS19 [221]
ApplicationAreas	torpedo	GoldwaserS18 [251], KletzanderM17 [347], GoldwaserS17 [250]	AntuoriHHEN20 [21]	Hooker19 [312]
ApplicationAreas	vaccine		GuoZ23 [269]	JuvinHL23a [331]
ApplicationAreas	yard crane		QinDCS20 [512], Hooker19 [312]	EmdeZD22 [199], WallaceY20 [627]

7.7 Concept Type Industries

Table 17: Works for Concepts of Type Industries

Type	Keyword	High	Medium	Low
Industries	aerospace industry			SchildW00 [532]
Industries	agricultural industry	WinterMMW22 [635]		
Industries	automotive industry		GuoZ23 [269], LimtanyakulS12 [393]	CzerniachowskaWZ23 [159], EmdeZD22 [199], AntuoriHHEN21 [22], BonfiettiZLM16 [113], SchildW00 [532], Wallace96 [625]
Industries	chemical industry		Timpe02 [588]	LaborieRSV18 [372], GilesH16 [243], HarjunkoskiMBC14 [279], LombardiM12 [405], ChenGPSH10 [146], PoderBS04 [501], Simonis99 [558], Simonis95a [556]
Industries	chemical processing industry			GilesH16 [243]
Industries	control system industry			BonfiettiZLM16 [113]
Industries	electricity industry	Froger16 [222]		PopovicCGNC22 [504], Godet21a [246], AntunesABD20 [20], AntunesABD18 [19]
Industries	electronics industry			LacknerMMWW23 [374], LacknerMMWW21 [373]
Industries	food industry		Groleaz21 [261]	Fatemi-AnarakiTFV23 [212], OujanaAYB22 [487], GroleazNS20a [262], GroleazNS20 [263], EscobetPQPRA19 [201], HachemiGR11 [272], SimonisCK00 [560], Simonis99 [558], SimonisC95 [561], Simonis95 [557]
Industries	food-processing industry			KlankeBYE21 [346], HauderBRPA20 [283], abs-1902-09244 [282]
Industries	manufacturing industry			PrataAN23 [509], CzerniachowskaWZ23 [159], LacknerMMWW23 [374], WinterMMW22 [635], YuraszcekMPV22 [650], FanXG21 [210], LacknerMMWW21 [373], Mercier-AubinGQ20 [437], TangB20 [573], EscobetPQPRA19 [201], GedikKEK18 [233]
Industries	mineral industry			Astrand21 [35], Astrand0F21 [36], AstrandJZ20 [38]
Industries	mining industry		AalianPG23 [1]	abs-2402-00459 [469], CampeauG22 [128], Astrand0F21 [36], Astrand21 [35], AstrandJZ20 [38], ThiruvadyWGS14 [585]
Industries	oil industry			AbreuNP23 [168], AbreuAPNM21 [166], HarjunkoskiMBC14 [279], LopesCSM10 [409]
Industries	packaging industry			ArmstrongGOS21 [26]
Industries	petro-chemical industry			LaborieRSV18 [372], GilesH16 [243], HarjunkoskiMBC14 [279]
Industries	pharmaceutical industry			YuraszcekMCCR23 [651], CzerniachowskaWZ23 [159], GeibingerKKMMW21 [234], HamC16 [276], NovaraNH16 [473], HarjunkoskiMBC14 [279]
Industries	potash industry			Astrand21 [35], Astrand0F21 [36], AstrandJZ20 [38], AstrandJZ18 [37]
Industries	power industry	Froger16 [222]		FrostD98 [224]
Industries	process industry		Timpe02 [588]	Nattaf16 [461], BlomPS16 [100], HarjunkoskiMBC14 [279], HeinzSSW12 [292], ChenGPSH10 [146], Jans09 [324], Simonis99 [558], Wallace96 [625]
Industries	retail industry			ChapadosJR11 [145]
Industries	services industry			DoomsH08 [186]
Industries	ship repair industry			BoudreaultSLQ22 [117]
Industries	steel industry		DavenportKRSH07 [165]	LacknerMMWW23 [374], KimCMLLP23 [345], IsikYA23 [321], OujanaAYB22 [487], LacknerMMWW21 [373], HauderBRPA20 [283], abs-1902-09244 [282], GoldwaserS18 [251], KletzanderM17 [347], GoldwaserS17 [250], HeinzSSW12 [292], SchausHMCMD11 [531], GrimesH10 [256], GarganiR07 [226]
Industries	steel making industry			
Industries	textile industry	Mercier-AubinGQ20 [437]		ZarandiASC20 [654], BessiereHMQW14 [93]
Industries	tourism industry			LiuCGM17 [396]

7.8 Concept Type Benchmarks

Table 18: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	CSPLib	Siala15a [552], SchausHMCMD11 [531], GarganiR07 [226]	LaborieRSV18 [372], CappartTSR18 [130], German18 [240], MossigeGSMC17 [448], NovaraNH16 [473], Letort13 [382], HeinzSSW12 [292], BandaSC11 [170]	ThomasKS20 [586], LiuLH19 [395], GelainPRVW17 [239], GaySS14 [232], RendlPHPR12 [516], HentenryckM08 [299]
Benchmarks	Roadef	Froger16 [222], Siala15a [552]	Nattaf16 [461], LetortCB15 [385], Kameugne14 [333], Letort13 [382], LetortCB13 [384], LetortBC12 [383]	CzerniachowskaWZ23 [159], Lemos21 [381], HanenKP21 [277], Polo-MejiaALB20 [503], MalapertN19 [423], Tesch18 [583], OuelletQ18 [485], Tesch16 [582], Fahimi16 [205], Menana11 [432], Acuna-AgostMFG09 [5], Wallace06 [626], Elkhyari03 [196]
Benchmarks	benchmark	JuvinHL23a [331], IsikYA23 [321], TardivoDFMP23 [575], AlfieriGPS23 [15], JuvinHHL23 [328], ShaikhK23 [547], LacknerMMWW23 [374], ZhuSZW23 [666], PovedaAA23 [506], Bit-Monnot23 [96], NaderiRR23 [460], AbreuNP23 [168], TasselGS23 [576], abs-2306-05747 [577], YuraszeckMCCR23 [651], AbreuPNF23 [3], AfsarVPG23 [8], BoudreaultSLQ22 [117], ZhangJZL22 [657], OuelletQ22 [486], abs-2211-14492 [566], ColT22 [160], TouatBT22 [592], AbreuN22 [167], MullerMKP22 [451], LiFJZLL22 [387], WinterMMW22 [635], NaderiBZ22a [456], JuvinHL22 [329]... (Total: 106)	ForbesHJST24 [217], abs-2402-00459 [469], AkramNHRSA23 [13], YuraszeckMC23 [649], MontemanniD23a [446], KameugneFND23 [336], abs-2305-19888 [296], FetgoD22 [214], OujanaAYB22 [487], NaderiBZ22 [457], ZhangBB22 [658], BourreauGGLT22 [118], HeinzNVH22 [295], Astrand21 [35], AbreuAPNM21 [166], KovacsTKSG21 [361], Lunardi20 [414], MejiaY20 [431], SacramentoSP20 [526], BenediktMH20 [86], AntuoriHHEN20 [21], GroleazNS20 [263], BadicaBI20 [39], MengZRZL20 [435], Novas19 [474], ArkhipovBL19 [25], NishikawaSTT19 [472], GeibingerMM19 [236], ArbaouiY18 [24]... (Total: 87)	PrataAN23 [509], CzerniachowskaWZ23 [159], MontemanniD23 [447], GuoZ23 [269], EfthymiouY23 [194], KimCMLLP23 [345], SquillaciPR23 [564], Adलगren2023 [7], SvancaraB22 [569], ElciOH22 [195], JungblutK22 [327], PohlAK22 [502], SubulanC22 [565], YuraszeckMPV22 [650], YunusogluY22 [648], ArmstrongGOS22 [27], Astrand0F21 [36], HubnerGSV21 [318], Zahout21 [652], KlankeBYE21 [346], VlkHT21 [623], ArmstrongGOS21 [26], LunardiBLRV20 [413], CauwelaertDS20 [142], NattafM20 [467], ThomasKS20 [586], AstrandJZ20 [38], ZarandiASC20 [654], QinDCS20 [512]... (Total: 139)
Benchmarks	bitbucket		TardivoDFMP23 [575], Dejemeppe16 [172]	CauwelaertDS20 [142], ThomasKS20 [586], HoundjiSW19 [316], CauwelaertLS18 [141], He0GLW18 [284], CappartTSR18 [130], CappartS17 [129], CauwelaertDMS16 [140], GayHLS15 [229], GayHS15a [231], DejemeppeCS15 [173], GayHS15 [230], DejemeppeD14 [174], HoundjiSWD14 [317]
Benchmarks	generated instance	IsikYA23 [321], LuoB22 [416], abs-1911-04766 [235]	abs-2312-13682 [497], PerezGSL23 [496], Godet21a [246], MejiaY20 [431], GodetLHS20 [247], Dejemeppe16 [172], NattafALR16 [464], Madi-WambaB16 [417], KelbelH11 [341], SchausHMCMD11 [531]	abs-2402-00459 [469], abs-2305-19888 [296], EfthymiouY23 [194], Adलगren2023 [7], BoudreaultSLQ22 [117], ColT22 [160], YuraszeckMPV22 [650], HeinzNVH22 [295], YunusogluY22 [648], ZhangBB22 [658], abs-2211-14492 [566], TouatBT22 [592], abs-2102-08778 [155], AbreuAPNM21 [166], GeibingerMM21 [237], HanenKP21 [277], Astrand21 [35], AbohashimaEG21 [2], Astrand0F21 [36], RoshanaeiBAUB20 [521], MokhtarzadehTNF20 [443], AntuoriHHEN20 [21], LunardiBLRV20 [413], CauwelaertDS20 [142], BenediktMH20 [86], ThomasKS20 [586], Lunardi20 [414], GeibingerMM19 [236], MalapertN19 [423]... (Total: 60)
Benchmarks	github	Lemos21 [381], KoehlerBFFHPSSS21 [348], Godet21a [246]	TardivoDFMP23 [575], PovedaAA23 [506], JungblutK22 [327], BoudreaultSLQ22 [117], HamPK21 [275], GodetLHS20 [247], BenediktMH20 [86], LunardiBLRV20 [413], Siala15a [552]	ForbesHJST24 [217], abs-2402-00459 [469], GuoZ23 [269], YuraszeckMC23 [649], SquillaciPR23 [564], JuvinHHL23 [328], YuraszeckMCCR23 [651], Bit-Monnot23 [96], Fatemi-AnarakiTFV23 [212], abs-2306-05747 [577], NaderiRR23 [460], TasselGS23 [576], Adलगren2023 [7], LuoB22 [416], OuelletQ22 [486], ColT22 [160], YuraszeckMPV22 [650], EmdeZD22 [199], GeitzGSSW22 [238], MullerMKP22 [451], KovacsTKSG21 [361], GeibingerMM21 [237], VlkHT21 [623], AbohashimaEG21 [2], WangB20 [628], Polo-MejiaALB20 [503], FallahiAC20 [209], Lunardi20 [414], ColT19 [156]... (Total: 44)

Table 18: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	gitlab		HeinzNVH22 [295]	abs-2305-19888 [296], BoudreaultSLQ22 [117], AntuoriHHEN21 [22], AntuoriHHEN20 [21]
Benchmarks	industrial instance	LuoB22 [416], AntuoriHHEN20 [21]	BonfiettiZLM16 [113], BonfiettiLBM14 [109], Schutt11 [534]	TasselGS23 [576], EfthymiouY23 [194], PovedaAA23 [506], abs-2306-05747 [577], OujanaAYB22 [487], Mercier-AubinGQ20 [437], NattafM20 [467], GroleazNS20 [263], MalapertN19 [423], Hooker19 [312], BofillGSV15 [105], BofillEGPSV14 [104], BonfiettiM12 [112], LombardiBMB11 [400], BonfiettiLBM11 [107]
Benchmarks	industrial partner	BoudreaultSLQ22 [117], Lunardi20 [414], Dejemeppe16 [172]	LacknerMMWW23 [374], ArmstrongGOS21 [26]	WinterMMW22 [635], VlKHT21 [623], LacknerMMWW21 [373], GroleazNS20a [262], AntunesABD20 [20], Mercier-AubinGQ20 [437], abs-1911-04766 [235], GeibingerMM19 [236], AntunesABD18 [19], MossigeGSMC17 [448], HebrardHJMPV16 [286], Froger16 [222], LipovetzkyBPS14 [394], LimtanyakulS12 [393], Malapert11 [420], KovacsV06 [360], KovacsV04 [359]
Benchmarks	industry partner	BurtLPS15 [124], LipovetzkyBPS14 [394]	BlomBPS14 [99]	WinterMMW22 [635], LuoB22 [416], ArmstrongGOS21 [26], HauderBRPA20 [283], abs-1902-09244 [282], AntunesABD18 [19], BlomPS16 [100]
Benchmarks	instance generator	LacknerMMWW23 [374], LacknerMMWW21 [373]	GoldwasserS18 [251], Froger16 [222]	abs-2402-00459 [469], ArmstrongGOS21 [26], Lunardi20 [414], Caballero19 [126], abs-1911-04766 [235], GombolayWS18 [253], GoldwasserS17 [250], YoungFS17 [646], Dejemeppe16 [172], GuyonLPR12 [271], Schutt11 [534], BeniniLMR11 [90], Lombardi10 [398], abs-1009-0347 [539], RuggieroBBMA09 [525], LombardiM09 [401], HeipckeCCS00 [297]
Benchmarks	random instance	LacknerMMWW21 [373], WallaceY20 [627], Dejemeppe16 [172]	LacknerMMWW23 [374], EfthymiouY23 [194], WangB23 [629], LetortCB15 [385], KelbelH11 [341]	Mehdizadeh-Somarin23 [430], Fatemi-AnarakiTFV23 [212], ElciOH22 [195], OuelletQ22 [486], abs-2211-14492 [566], EmdeZD22 [199], MullerMKP22 [451], VlKHT21 [623], KlankeBYE21 [346], Godet21a [246], HanenKP21 [277], AntuoriHHEN20 [21], LunardiBLRV20 [413], Lunardi20 [414], BenediktMH20 [86], HoundjiSW19 [316], BenediktSMVH18 [87], FahimiOQ18 [206], Hooker17 [311], MossigeGSMC17 [448], CappartS17 [129], Fahimi16 [205], Madi-WambaB16 [417], Siala15a [552], KameugneFSN14 [338], DerrienP14 [179], DerrienPZ14 [180], LetortCB13 [384], LimtanyakulS12 [393]... (Total: 40)
Benchmarks	real-life	GurPAE23 [270], SubulanC22 [565], WinterMMW22 [635], Astrand21 [35], HubnerGSV21 [318], QinDCS20 [512], GurEA19 [670], WangMD15 [630], BartakSR10 [58], BartakCS10 [56], ChenGPSH10 [146], Baptiste02 [44], Bartak02a [53], MartinPY01 [427]	LacknerMMWW23 [374], AfsarVPG23 [8], OujanaAYB22 [487], Lemos21 [381], Astrand0F21 [36], LacknerMMWW21 [373], KlankeBYE21 [346], Lunardi20 [414], FallahiAC20 [209], abs-1911-04766 [235], PourDERB18 [505], MusliuSS18 [455], Froger16 [222], AmadiniGM16 [17], BartakV15 [59], GaySS14 [232], LimtanyakulS12 [393], MenciaSV12 [433], LombardiMRB10 [408], RuggieroBBMA09 [525], Tsang03 [603], JainM99 [322], NuijtenP98 [479], SimonisC95 [561], DincbasSH90 [184]	ForbesHJST24 [217], PrataAN23 [509], EfthymiouY23 [194], PovedaAA23 [506], IsikYA23 [321], AbreuPNF23 [3], Adelgren2023 [7], GeitzGSSW22 [238], CampeauG22 [128], LuoB22 [416], ColT22 [160], NaderiBZ22 [457], Teppan22 [579], BoudreaultSLQ22 [117], YunusogluY22 [648], ElciOH22 [195], YuraszeckMPV22 [650], GeibingerMM21 [237], Godet21a [246], Bedhief21 [74], abs-2102-08778 [155], Groleaz21 [261], CauwelaertDS20 [142], WallaceY20 [627], GodetLHS20 [247], SacramentoSP20 [526], ZarandiASC20 [654], AstrandJZ20 [38], GeibingerMM19 [236]... (Total: 93)

Table 18: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	real-world	abs-2305-19888 [296], HeinzNVH22 [295], YunusogluY22 [648], ColT22 [160], Lemos21 [381], KoehlerBFFHPSSS21 [348], Astrand21 [35], GeibingerMM21 [237], HauderBRPA20 [283], Lunardi20 [414], MokhtarzadehTNF20 [443], abs-1911-04766 [235], GeibingerMM19 [236], abs-1902-09244 [282], FrohnerTR19 [223], GombolayWS18 [253], Dejemeppe16 [172], MelgarejoLS15 [11], EvenSH15 [203], EvenSH15a [204], RendlPHPR12 [516], Lombardi10 [398], MouraSCL08a [449], Beck99 [62]	PrataAN23 [509], IsikYA23 [321], abs-2306-05747 [577], Fatemi-AnarakiTFV23 [212], AbreuNP23 [168], TasselGS23 [576], AalianPG23 [1], WangB23 [629], YuraszeckMCCR23 [651], AbreuPNF23 [3], SvancaraB22 [569], OujanaAYB22 [487], LuoB22 [416], MullerMKP22 [451], ArmstrongGOS21 [26], RoshanaeiBAUB20 [521], WessenCS20 [633], ZarandiASC20 [654], TangB20 [573], WallaceY20 [627], AntunesABD20 [20], AstrandJZ20 [38], ParkUJR19 [493], YounespourAKE19 [645], FrimodigS19 [221], RiahiNS018 [517], HoYCLLC18 [303], LaborieRSV18 [372], PourDERB18 [505]... (Total: 48)	abs-2402-00459 [469], KimCMLLP23 [345], abs-2312-13682 [497], PovedaAA23 [506], JuvinHL23 [330], ZhuSZW23 [666], Bit-Monnot23 [96], TardivoDFMP23 [575], CzerniachowskaWZ23 [159], PerezGSL23 [496], GuoZ23 [269], ShaikhK23 [547], AfsarVPG23 [8], BourreauGGLT22 [118], EtminaniefahaniGNMS22 [202], CampeauG22 [128], JungblutK22 [327], AbreuN22 [167], ArmstrongGOS22 [27], SubulanC22 [565], FetgoD22 [214], PohlAK22 [502], BoudreaultSLQ22 [117], GeitzGSSW22 [238], GeibingerKKMMW21 [234], AbohashimaEG21 [2], KovacsTKSG21 [361], AstrandOF21 [36], abs-2102-08778 [155]... (Total: 121)
Benchmarks	supplementary material	GuoZ23 [269], FarsiTM22 [211], Lunardi20 [414], MejiaY20 [431]	MontemanniD23 [447], AfsarVPG23 [8], SchuttFSW13 [541]	JuvinHHL23 [328], abs-2306-05747 [577], TasselGS23 [576], Adelgren2023 [7], WinterMMW22 [635], ColT22 [160], BoudreaultSLQ22 [117], YunusogluY22 [648], KovacsTKSG21 [361], ArmstrongGOS21 [26], AntuoriHHEN21 [22], LacknerMMWW21 [373], MengZRZL20 [435], HauderBRPA20 [283], SchnellH15 [533], MenciaSV13 [434]
Benchmarks	zenodo	LacknerMMWW23 [374], SacramentoSP20 [526]		KimCMLLP23 [345], WinterMMW22 [635], ArmstrongGOS21 [26]

7.9 Concept Type Algorithms

Table 19: Works for Concepts of Type Algorithms

Type	Keyword	High	Medium	Low
Algorithms	bi-partite matching			Caballero19 [126], HookerH17 [314], Simonis07 [559], Kumar03 [367], Simonis99 [558]
Algorithms	edge-finder	KameugneFND23 [336], FetgoD22 [214], GingrasQ16 [244], KameugneFSN14 [338], Lombardi10 [398], MercierH08 [436], BaptisteP00 [49]	OuelletQ13 [484], KelbelH11 [341], PapaB98 [492]	BaptisteB18 [46], BonfiettiZLM16 [113], Kameugne14 [333], GuSS13 [265], Schutt11 [534], SchuttFSW11 [540], HeckmanB11 [289], BidotVLB09 [94], MilanoW09 [441], SchuttFSW09 [538], BeckW07 [73], MilanoW06 [440], BeckW05 [72], BeckR03 [70], ValleMGT03 [605], SakkoutW00 [529], JainM99 [322], BaptisteP97 [48], Zhou97 [663]
Algorithms	edge-finding	KameugneFND23 [336], JuvinHHL23 [328], TardivoDFMP23 [575], OuelletQ22 [486], FetgoD22 [214], CauwelaertDS20 [142], Caballero19 [126], YangSS19 [644], GokgurHO18 [249], BaptisteB18 [46], FahimiOQ18 [206], KreterSS17 [363], HookerH17 [314], Fahimi16 [205], Dejemeppe16 [172], Nattaf16 [461], Derrien15 [178], Kameugne15 [334], GayHS15a [231], GrimesH15 [258], Kameugne14 [333], KameugneFSN14 [338], OuelletQ13 [484], Letort13 [382], SchuttFS13a [536], Clercq12 [169], Malapert11 [420], Schutt11 [534], SchuttFSW11 [540]... (Total: 50)	BoudreaultSLQ22 [117], LaborieRSV18 [372], Tesch18 [583], GingrasQ16 [244], CauwelaertDMS16 [140], Siala15a [552], LetortCB15 [385], DejemeppeCS15 [173], MenciaSV13 [434], LetortCB13 [384], LombardiM12 [405], LetortBC12 [383], BartakSR10 [58], Lombardi10 [398], LiessM08 [388], HoeveGSL07 [609], MonetteDD07 [444], Vilim04 [614], Bartak02 [54], SchildW00 [532], Zhou97 [663]	CampeauG22 [128], Astrand21 [35], Godet21a [246], Groleaz21 [261], WallaceY20 [627], OuelletQ18 [485], GombolayWS18 [253], CauwelaertLS18 [141], NattafAL17 [463], Tesch16 [582], SialaAH15 [553], GayHLS15 [229], DerrienP14 [179], GuSS13 [265], OzturkTHO13 [488], ChuGNSW13 [147], HeinzSB13 [294], MenciaSV12 [433], LimtanyakulS12 [393], MalapertCGJLR12 [421], SimonisH11 [562], BeldiceanuCDP11 [80], HeckmanB11 [289], KelbelH11 [341], GrimesH11 [257], KovacsB11 [356], SchuttW10 [544], GrimesH10 [256], Vilim09a [617]... (Total: 57)
Algorithms	energetic reasoning	TardivoDFMP23 [575], FetgoD22 [214], OuelletQ22 [486], HanenKP21 [277], CauwelaertLS18 [141], OuelletQ18 [485], Tesch18 [583], NattafAL17 [463], NattafALR16 [464], Fahimi16 [205], Tesch16 [582], GayHS15a [231], NattafAL15 [462], DerrienP14 [179], SchuttFS13a [536], LimtanyakulS12 [393], HeinzS11 [293], Vilim11 [618], Lombardi10 [398], Laborie03 [369], Baptiste02 [44]	KameugneFND23 [336], NattafHKAL19 [466], KameugneFGOQ18 [335], Nattaf16 [461], Kameugne14 [333], Letort13 [382], SchuttFS13 [537], Schutt11 [534]	IsikYA23 [321], BoudreaultSLQ22 [117], ArmstrongGOS21 [26], Caballero19 [126], YangSS19 [644], GokgurHO18 [249], Laborie18a [371], BofillCSV17 [103], HookerH17 [314], GingrasQ16 [244], LetortCB15 [385], Derrien15 [178], KameugneFSN14 [338], LetortCB13 [384], OuelletQ13 [484], MenciaSV13 [434], Clercq12 [169], LombardiM12 [405], MenciaSV12 [433], GuyonLPR12 [271], Malapert11 [420], LahimerLH11 [375], ClercqPBJ11 [151], BeldiceanuCDP11 [80], ChenGPSH10 [146], abs-0907-0939 [499], Vilim09 [616], Vilim09a [617], Limtanyakul07 [392]... (Total: 35)
Algorithms	max-flow		LopesCSM10 [409], MouraSCL08 [450], Muscettola02 [454]	FanXG21 [210], ZarandiASC20 [654], HoundjiSW19 [316], Froger16 [222], Fahimi16 [205], Kumar03 [367]
Algorithms	not-first	KameugneFND23 [336], KameugneFGOQ18 [335], FahimiOQ18 [206], Fahimi16 [205], Dejemeppe16 [172], GayHS15a [231], Kameugne14 [333], Clercq12 [169], SchuttFSW11 [540], Schutt11 [534], Malapert11 [420], VilimBC05 [620], ArtiouchineB05 [34], Demasse03 [175], Baptiste02 [44], Beck99 [62]	TardivoDFMP23 [575], FetgoD22 [214], GokgurHO18 [249], OuelletQ18 [485], HookerH17 [314], Kameugne15 [334], DejemeppeCS15 [173], KameugneFSN14 [338], Letort13 [382], OuelletQ13 [484], Lombardi10 [398], SchuttW10 [544], BartakSR10 [58], MonetteDD07 [444], VilimBC04 [619], Wolf03 [636], BeckF00 [68], TorresL00 [591]	JuvinHHL23 [328], OuelletQ22 [486], BoudreaultSLQ22 [117], Astrand21 [35], Groleaz21 [261], CauwelaertDS20 [142], CauwelaertLS18 [141], Tesch16 [582], CauwelaertDMS16 [140], GrimesH15 [258], ChuGNSW13 [147], MalapertCGJLR12 [421], LimtanyakulS12 [393], KameugneFSN11 [337], Wolf09 [640], Vilim09 [616], Wolf05 [637], Laborie03 [369], SourdN00 [563]

Table 19: Works for Concepts of Type Algorithms

Type	Keyword	High	Medium	Low
Algorithms	not-last	TardivoDFMP23 [575], KameugneFND23 [336], FahimiOQ18 [206], KameugneFGOQ18 [335], OuelletQ18 [485], Dejemeppe16 [172], Fahimi16 [205], GayHS15a [231], Kameugne14 [333], Clercq12 [169], Malapert11 [420], Schutt11 [534], SchuttW10 [544], ArtiouchineB05 [34], SchuttWS05 [545], Vilim05 [615], VilimBC05 [620], Vilim04 [614], Wolf03 [636], Demassey03 [175], Baptiste02 [44], Beck99 [62]	FetgoD22 [214], CauwelaertDS20 [142], GokgurHO18 [249], Tesch18 [583], Kameugne15 [334], DejemeppeCS15 [173], KameugneFSN14 [338], SchuttFS13a [536], OuelletQ13 [484], Letort13 [382], SchuttFSW11 [540], Vilim11 [618], KameugneFSN11 [337], Lombardi10 [398], BartakSR10 [58], MonetteDD07 [444], Wolf05 [637], VilimBC04 [619], TorresL00 [591], BeckF00 [68]	JuvinHHL23 [328], BoudreaultSLQ22 [117], GeitzGSSW22 [238], OuelletQ22 [486], Astrand21 [35], Groleaz21 [261], GodetLHS20 [247], YangSS19 [644], CauwelaertLS18 [141], HookerH17 [314], CauwelaertDMS16 [140], Tesch16 [582], GrimesH15 [258], ChuGNSW13 [147], LimtanyakulS12 [393], MalapertCGJLR12 [421], ChenGPSH10 [146], Wolf09 [640], GrimesHM09 [259], MonetteDH09 [445], Vilim09a [617], Vilim09 [616], BocewiczBB09 [101], WolfS05 [639], Laborie03 [369], Vilim03 [613]
Algorithms	sweep	Tesch18 [583], Tesch16 [582], BonfiettiZLM16 [113], NattafALR16 [464], SimoninAHL15 [555], NattafAL15 [462], LetortCB15 [385], GayHS15 [230], Derrien15 [178], DerrienPZ14 [180], Letort13 [382], LetortCB13 [384], SimoninAHL12 [554], Clercq12 [169], LetortBC12 [383], ClercqPBJ11 [151], Malapert11 [420], abs-0907-0939 [499], BeldiceanuP07 [82], Wolf05 [637], Wolf03 [636], BeldiceanuC02 [79]	ArkipovBL19 [25], FahimiOQ18 [206], GoldwasserS18 [251], GayHS15a [231], Schutt11 [534], AronssonBK09 [29], PoderB08 [500], WolfS05 [639]	KameugneFND23 [336], TardivoDFMP23 [575], HebrardALLCMR22 [285], GeitzGSSW22 [238], FetgoD22 [214], OuelletQ22 [486], Godet21a [246], FallahiAC20 [209], HoundjiSW19 [316], KameugneFGOQ18 [335], CauwelaertLS18 [141], Madi-WambaLOBM17 [418], Nattaf16 [461], GingrasQ16 [244], Dejemeppe16 [172], Fahimi16 [205], BartakV15 [59], EvenSH15 [203], EvenSH15a [204], DerrienP14 [179], BonfiettiLBM14 [109], GaySS14 [232], OuelletQ13 [484], BeldiceanuCDP11 [80], Vilim11 [618], SimonisH11 [562], Lombardi10 [398], LombardiM10a [402], BartakSR10 [58]... (Total: 36)
Algorithms	time-tabling	TardivoDFMP23 [575], ShaikhK23 [547], OuelletQ22 [486], Lemos21 [381], DemirovicS18 [177], FahimiOQ18 [206], Fahimi16 [205], GayHS15a [231], Kameugne14 [333], Letort13 [382], OuelletQ13 [484], GuyonLPR12 [271], Menana11 [432], HeinzS11 [293], KanetAG04 [339], Laborie03 [369], ElkhyariGJ02a [198], Wallace96 [625]	Godet21a [246], Astrand21 [35], WallaceY20 [627], ZarandiASC20 [654], abs-1902-01193 [14], CauwelaertLS18 [141], Tesch18 [583], OuelletQ18 [485], HookerH17 [314], Siala15a [552], Derrien15 [178], GayHS15 [230], BofillGSV15 [105], Vilim11 [618], Demassey03 [175], Elkhyari03 [196], Bartak02 [54]	PrataAN23 [509], Fatemi-AnarakiTFV23 [212], KameugneFND23 [336], LacknerMMWW23 [374], AbreuNP23 [168], TouatBT22 [592], FarsiTM22 [211], SvancaraB22 [569], FetgoD22 [214], GeibingerMM21 [237], MokhtarzadehTNF20 [443], GodetLHS20 [247], Caballero19 [126], LiuLH19 [395], Hooker19 [312], abs-1911-04766 [235], KucukY19 [368], GeibingerMM19 [236], ArkhipovBL19 [25], KameugneFGOQ18 [335], AstrandJZ18 [37], BaptisteB18 [46], GoldwasserS18 [251], CohenHB17 [154], YoungFS17 [646], ZarandiKS16 [653], Tesch16 [582], LuoVLBM16 [415], LimBTBB15 [391]... (Total: 64)

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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	[220]
VillaverdeP04	VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	2004	ISCA 2004	[622]
DorndorfPH99	DorndorfPH99	U. Dorndorf, E. Pesch, Toàn Phan Huy	Recent Developments in Scheduling	1999	Operations Research Proceedings 1999	[188]
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	[116]
PapeB97	PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	1997	PACT 1997	[491]
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	[326]
Wallace94	Wallace94	M. Wallace	Applying Constraints for Scheduling	1994	Constraint Program- ming 1994	[624]

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	[207]
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	[242]
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	[604]
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	[301]
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	[428]
NaderiR22	NaderiR22	B. Naderi, V. Roshanaei	Critical-Path-Search Logic-Based Benders Decomposition Approaches for Flexible Job Shop Scheduling	2022	INFORMS Journal on Optimization	[458]
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	[549]
CarlierSJP21	CarlierSJP21	J. Carlier, A. Sahli, A. Jouglet, E. Pinson	A faster checker of the energetic reasoning for the cumulative scheduling problem	2021	International Journal of Production Research	[136]
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	[459]
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]
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 Optimiza- tion	[268]

Table 21: ARTICLE without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
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	[193]
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	[631]
RoshanaeiLAU17a	RoshanaeiLAU17a	V. Roshanaei, C. Luong, Dionne M. Aleman, David R. Urbach	Collaborative Operating Room Planning and Scheduling	2017	INFORMS Journal on Computing	[523]
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	[213]
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	[192]
MilanoORT02	MilanoORT02	M. Milano, G. Ottosson, P. Refalo, Erlendur S. Thorsteinsson	The Role of Integer Programming Techniques in Constraint Programming's Global Constraints	2002	INFORMS Journal on Computing	[439]
Tay92	Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	1992	Comput. J.	[578]
Lauriere78	Lauriere78	J. Lauriere	A language and a program for stating and solving combinatorial problems	1978	Artificial Intelligence	[379]

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	[183]	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	[352]	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	[410]	4
CarlierP94	Yes	J. Carlier, E. Pinson	Adjustment of heads and tails for the job-shop problem	1994	European Journal of Operational Research	[135]	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	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

D Works by Author

D.1 Works by J. Christopher Beck

Table 25: Works from bibtex (Total 49)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[416]	2022	CPAIOR 2022	17	0	28	521	663
ZhangBB22 ZhangBB22	J. Zhang, Giovanni Lo Bianco, J. Christopher Beck	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware	Yes	[658]	2022	ICAPS 2022	9	0	0	634	671
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	[521]	2020	International Journal of Production Economics	19	24	43	1432	1578
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[573]	2020	CPAIOR 2020	16	6	12	589	692
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	[597]	2018	Journal of Scheduling	17	8	26	1460	1614
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	[154]	2017	SAT 2017	17	1	12	400	730
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	[599]	2017	J. Artif. Intell. Res.	68	12	0	1461	1622
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	[600]	2017	IJCAI 2017	5	1	0	604	739
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	[114]	2016	CP 2016	17	21	24	382	743
KuB16 KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	Yes	[365]	2016	Computers Operations Research	9	119	17	1367	1630
LuoVLBM16 LuoVLBM16	R. Luo, Richard Anthony Valenzano, Y. Li, J. Christopher Beck, Sheila A. McIlraith	Using Metric Temporal Logic to Specify Scheduling Problems	Yes	[415]	2016	KR 2016	4	0	0	522	753
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	Yes	[594]	2016	INFORMS Journal on Computing	13	72	28	1459	1633
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	[596]	2016	SOCS 2016	9	3	0	602	758
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	[601]	2016	AAAI 2016	9	0	0	605	759
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	1256	1635
KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[353]	2014	CPAIOR 2014	16	4	18	489	790
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	[412]	2014	ICRA 2014	7	16	9	520	792
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[581]	2014	J. Artif. Intell. Res.	38	12	0	1454	1652
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	1255	1654

Table 25: Works from bibtex (Total 49)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[291]	2013	CPAIOR 2013	16	9	15	460	797
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[294]	2013	Constraints An Int. J.	36	7	31	1340	1656
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	[598]	2013	ICAPS 2013	9	0	0	603	805
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[290]	2012	CPAIOR 2012	17	8	21	459	810
TerekhovDOB12 TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	Yes	[580]	2012	Computers Industrial Engineering	15	8	48	1453	1669
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[595]	2012	ECAI 2012	6	0	0	601	817
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	[213]	2012	INFORMS Journal on Computing	null	38	57	No	1670
BajestaniB11 BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[41]	2011	ICAPS 2011	8	0	0	345	819
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	1266	1673
HeckmanB11 HeckmanB11	I. Heckman, J. Christopher Beck	Understanding the behavior of Solution-Guided Search for job-shop scheduling	Yes	[289]	2011	Journal of Scheduling	20	0	22	1338	1679
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[356]	2011	Constraints An Int. J.	24	4	26	1363	1681
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	1277	1696
CarchraeB09 CarchraeB09	T. Carchrae, J. Christopher Beck	Principles for the Design of Large Neighborhood Search	Yes	[131]	2009	Journal of Mathematical Modelling and Algorithms	26	16	19	1289	1698
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	Yes	[643]	2009	Computers Operations Research	9	42	5	1470	1704
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[355]	2008	Eng. Appl. Artif. Intell.	7	5	14	1362	1707
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[632]	2008	CPAIOR 2008	15	14	17	621	865
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	1263	1712
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	1268	1713
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[354]	2007	CPAIOR 2007	15	2	12	490	872
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	355	877
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[72]	2005	IJCAI 2005	6	0	0	359	887
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[132]	2005	CP 2005	1	0	0	389	888
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[642]	2005	CP 2005	1	0	0	630	904
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[71]	2004	ECAI 2004	5	0	0	358	906
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	357	917

Table 25: Works from bibtex (Total 49)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	1267	1728
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 University of Toronto, Canada	51	24	19	1264	1743
Beck99 Beck99	J. Christopher Beck	Texture measurements as a basis for heuristic commitment techniques in constraint-directed scheduling	Yes	[62]	1999	AI Mag.	418	0	0	2798	n/a
BeckF98 BeckF98	J. Christopher Beck, Mark S. Fox	A Generic Framework for Constraint-Directed Search and Scheduling	Yes	[67]	1998	CP 1997	30	0	0	1265	1754
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research	Yes	[65]	1997		15	3	12	356	948

D.2 Works by Michela Milano

Table 26: Works from bibtex (Total 31)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BorghesiBLMB18 BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[115]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1284	1600
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[113]	2016	CP 2016	17	0	11	381	742
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[120]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1286	1625
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized Dispatching and Scheduling	Yes	[121]	2016	ECAI 2016	2	0	0	384	744
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[399]	2015	CP 2015	16	0	8	515	770
BartoliniBBLM14 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	353	779
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	1283	1647
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[111]	2014	ICAPS 2013	16	3	12	379	782
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	378	793
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[406]	2013	IEEE Transactions on Computers	2	0	0	519	800
LombardiMB13 LombardiMB13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	Yes	[407]	2013	CPAIOR 2012	14	28	29	1380	1657
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	DC SIAAI 2012	16	2	11	377	807
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[112]	2012	Constraints An Int. J.	3	0	0	380	808
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[405]	2012	Artificial Intelligence	35	39	68	1378	1664
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[404]	2012		10	3	13	1379	1665

Table 26: Works from bibtex (Total 31)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BeniniLMR11 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	1275	1675
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	376	820
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[400]	2011	CPAIOR 2011	17	1	13	516	829
Milano11 Milano11	M. Milano	Constraint Programming Links with Math Programming	No	[438]	2011	Wiley Encyclopedia of Operations Research and Management Science	null	0	28	No	n/a
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[403]	2010	CP 2010	15	1	11	518	839
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[402]	2010	Artificial Intelligence	30	8	24	1377	1690
LombardiMRB10 LombardiMRB10	M. Lombardi, M. Milano, M. Ruggiero, L. Benini	Stochastic allocation and scheduling for conditional task graphs in multi-processor systems-on-chip	Yes	[408]	2010	Journal of Scheduling	31	24	41	1381	1691
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[401]	2009	CP 2009	15	7	12	517	848
MilanoW09 MilanoW09	M. Milano, M. Wallace	Integrating Operations Research in Constraint Programming	Yes	[441]	2009	Annals of Operations Research	40	34	46	1396	1701
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	[525]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	9	27	1434	1703
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	367	857
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	366	878
MilanoW06 MilanoW06	M. Milano, M. Wallace	Integrating operations research in constraint programming	Yes	[440]	2006	4OR	45	18	46	1395	1720
MilanoORT02 MilanoORT02	M. Milano, G. Ottosson, P. Refalo, Erlendur S. Thorsteinsson	The Role of Integer Programming Techniques in Constraint Programming's Global Constraints	No	[439]	2002	INFORMS Journal on Computing	null	14	31	No	1735
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[377]	1997	Artif. Intell. Eng.	15	11	7	1372	1760
BrusoniCLMMT96 BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[123]	1996	ISMIS 1996	10	1	9	385	952

D.3 Works by Andreas Schutt

Table 27: Works from bibtex (Total 27)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[644]	2019	CPAIOR 2019	10	1	14	631	710
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[251]	2018	J. Artif. Intell. Res.	32	8	0	1320	1605
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	[364]	2018	European Journal of Operational Research	15	25	31	1366	1609
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[455]	2018	CPAIOR 2018	17	7	23	541	721
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[250]	2017	CP 2017	16	0	10	443	732

Table 27: Works from bibtex (Total 27)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[363]	2017	Constraints An Int. J.	31	15	20	1365	1618
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[646]	2017	CP 2017	10	6	21	632	740
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[543]	2016	CP 2016	17	3	23	573	755
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[570]	2016	CP 2016	10	9	14	587	756
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[203]	2015	CP 2015	18	3	12	419	764
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[204]	2015	CoRR	16	0	0	1306	1636
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[362]	2015	CP 2015	17	7	16	495	768
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[542]	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	[266]	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	[585]	2014	J. Heuristics	34	19	18	1455	1653
ChuGNSW13 ChuGNSW13	G. Chu, S. Gaspers, N. Narodytska, A. Schutt, T. Walsh	On the Complexity of Global Scheduling Constraints under Structural Restrictions	Yes	[147]	2013	IJCAI 2013	7	0	0	395	794
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	[265]	2013	CPAIOR 2013	7	10	24	452	796
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[537]	2013	CP 2013	17	10	20	570	803
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[536]	2013	CPAIOR 2013	17	20	27	571	804
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[541]	2013	Journal of Scheduling	17	43	23	1442	1660
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[535]	2012	CPAIOR 2012	17	18	21	569	814
Schutt11 Schutt11	A. Schutt	Improving Scheduling by Learning	Yes	[534]	2011	University of Melbourne, Australia	209	0	0	2820	n/a
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[540]	2011	Constraints An Int. J.	33	57	23	1441	1684
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[544]	2010	CP 2010	15	13	14	574	841
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	[539]	2010	CoRR	37	0	0	1485	1695
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[538]	2009	CP 2009	16	34	11	572	850
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[545]	2005	INAP 2005	15	6	4	575	900

D.4 Works by Michele Lombardi

Table 28: Works from bibtex (Total 25)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[115]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1284	1600
BorghesiBLMB18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[141]	2018	Constraints An Int. J.	36	2	39	1291	1601
CauwelaertLS18	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[113]	2016	CP 2016	17	0	11	381	742
BonfiettiZLM16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[120]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1286	1625
BridiBLMB16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[121]	2016	ECAI 2016	2	0	0	384	744
BridiLBBM16	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[399]	2015	CP 2015	16	0	8	515	770
LombardiBM15	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	353	779
BartoliniBBLM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence	28	8	15	1283	1647
BonfiettiLBM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[111]	2014	CPAIOR 2014	16	3	12	379	782
BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	378	793
BonfiettiLM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[406]	2013	ICAPS 2013	2	0	0	519	800
LombardiIM13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	Yes	[407]	2013	IEEE Transactions on Computers	14	28	29	1380	1657
LombardiMB13	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	377	807
BonfiettiLBM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[405]	2012	Constraints An Int. J.	35	39	68	1378	1664
BonfiettiLBM12	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[404]	2012	Artificial Intelligence	10	3	13	1379	1665
LombardiIM12a	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	1275	1675
LombardiIM12a	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[107]	2011	CP 2011	15	3	14	376	820
BeniniLMR11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[400]	2011	CPAIOR 2011	17	1	13	516	829
BeniniLMR11	M. Lombardi	Hybrid Methods for Resource Allocation and Scheduling Problems in Deterministic and Stochastic Environments	Yes	[398]	2010	University of Bologna, Italy	175	0	0	2814	n/a
BonfiettiLBM11	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[403]	2010	CP 2010	15	1	11	518	839
LombardiBMB11	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[402]	2010	Artificial Intelligence	30	8	24	1377	1690
LombardiBMB11	M. Lombardi, M. Milano, M. Ruggiero, L. Benini	Stochastic allocation and scheduling for conditional task graphs in multi-processor systems-on-chip	Yes	[408]	2010	Journal of Scheduling	31	24	41	1381	1691
LombardiIM10	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[401]	2009	CP 2009	15	7	12	517	848
LombardiIM10a	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	367	857
LombardiMRB10	Willem-Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[609]	2007	AAAI 2007	6	0	0	467	870
LombardiMRB10											

D.5 Works by Peter J. Stuckey

Table 29: Works from bibtex (Total 26)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[376]	2020	SN Operations Research Forum	27	7	28	No	n/a
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[644]	2019	CPAIOR 2019	10	1	14	631	710
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[177]	2018	CPAIOR 2018	18	4	16	408	716
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	[364]	2018	European Journal of Operational Research	15	25	31	1366	1609
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[455]	2018	CPAIOR 2018	17	7	23	541	721
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[363]	2017	Constraints An Int. J. Manag. Sci.	31	15	20	1365	1618
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	1280	1623
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[543]	2016	CP 2016	17	3	23	573	755
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	[124]	2015	CPAIOR 2015	17	0	8	386	762
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[362]	2015	CP 2015	17	7	16	495	768
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[542]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	n/a
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	1279	1646
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	[266]	2014	Handbook on Project Management and Scheduling Vol.1	null	5	35	No	n/a
LipovetzkyBPS14 LipovetzkyBPS14	N. Lipovetzky, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	Planning for Mining Operations with Time and Resource Constraints	Yes	[394]	2014	ICAPS 2014	9	0	0	511	791
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	[265]	2013	CPAIOR 2013	7	10	24	452	796
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[537]	2013	CP 2013	17	10	20	570	803
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[536]	2013	CPAIOR 2013	17	20	27	571	804
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[541]	2013	Journal of Scheduling	17	43	23	1442	1660
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[267]	2012	CP 2012	15	5	20	453	809
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[535]	2012	CPAIOR 2012	17	18	21	569	814
BandaSC11 BandaSC11	Maria Garcia de la Banda, Peter J. Stuckey, G. Chu	Solving Talent Scheduling with Dynamic Programming	Yes	[170]	2011	INFORMS Journal on Computing	18	24	17	1257	1671
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[540]	2011	Constraints An Int. J.	33	57	23	1441	1684

Table 29: Works from bibtex (Total 26)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[539]	2010	CoRR	37	0	0	1485	1695
OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[483]	2009	Constraints An Int. J.	35	127	15	1417	1702
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[538]	2009	CP 2009	16	34	11	572	850
NethercoteSBBDT07 NethercoteSBBDT07	N. Nethercote, Peter J. Stuckey, R. Becket, S. Brand, Gregory J. Duck, G. Tack	MiniZinc: Towards a Standard CP Modelling Language	Yes	[468]	2007	CP 2007	15	344	5	No	n/a

D.6 Works by John N. Hooker

Table 30: Works from bibtex (Total 22)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
ElciOH22 ElciOH22	Özgün Elçi, John N. Hooker	Stochastic Planning and Scheduling with Logic-Based Benders Decomposition	Yes	[195]	2022	INFORMS Journal on Computing	21	2	34	1302	1530
Hooker19 Hooker19	John N. Hooker	Logic-Based Benders Decomposition for Large-Scale Optimization	Yes	[312]	2019	Large Scale Optimization in Supply Chains and Smart Manufacturing	26	8	0	2842	n/a
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[311]	2017	CP 2017	14	6	24	470	733
HookerH17 HookerH17	John N. Hooker, Willem-Jan van Hoeve	Constraint programming and operations research	Yes	[314]	2017	Constraints An Int. J.	24	12	189	1346	1617
CireCH16 CireCH16	Andre A. Ciré, E. Coban, John N. Hooker	Logic-based Benders decomposition for planning and scheduling: a computational analysis	Yes	[150]	2016	The Knowledge Engineering Review	12	15	21	1293	1626
HechingH16 HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[288]	2016	CPAIOR 2016	11	10	0	458	750
HarjunkskiMBC14 HarjunkskiMBC14	I. Harjunkski, 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	[279]	2014	Computers Chemical Engineering	33	381	176	1335	1649
CireCH13 CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[149]	2013	CPAIOR 2013	7	3	23	397	795
CobanH11 CobanH11	E. Coban, John N. Hooker	Single-facility scheduling by logic-based Benders decomposition	Yes	[153]	2011	Annals of Operations Research	28	14	37	1294	1676
CobanH10 CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes	[152]	2010	CPAIOR 2010	5	9	9	399	836
Hooker10 Hooker10	John N. Hooker	Hybrid Modeling	No	[310]	2010	Hybrid Optimization	null	9	39	No	n/a
YunesAH10 YunesAH10	T. Yunes, Ionuț D. Aron, John N. Hooker	An Integrated Solver for Optimization Problems	Yes	[647]	2010	Operations Research	16	25	38	No	n/a
Hooker07 Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	Yes	[309]	2007	Operations Research	29	181	19	1345	1715
Hooker06 Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[308]	2006	Constraints An Int. J.	19	19	13	1344	1718
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

Table 30: Works from bibtex (Total 22)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[306]	2005	Constraints An Int. J.	17	68	11	1343	1724
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[307]	2005	CP 2005	14	30	10	469	896
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
AronHY2004											
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[305]	2004	CP 2004	12	39	9	468	908
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[313]	2003	Mathematical Programming	28	317	0	1347	1729
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[315]	2002	CP 2002	5	8	7	471	929
Hooker00 Hooker00	John N. Hooker	Logic Based Methods for Optimization: Combining Optimization and Constraint Satisfaction	No	[304]	2000	Book	null	185	0	No	n/a

D.7 Works by Emmanuel Hebrard

Table 31: Works from bibtex (Total 17)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[328]	2023	CP 2023	16	0	0	476	645
JuvinHHL23											
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	[285]	2022	IJCAI 2022	7	0	0	456	660
HebrardALLCMR22											
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	334	673
AntuoriHHEN21											
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	340	675
ArtiguesHQT21											
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	333	685
AntuoriHHEN20											
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	[247]	2020	AAAI 2020	8	1	0	442	687
GodetLHS20											
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	[286]	2016	Discret. Math. Appl.	10	9	8	1337	1629
HebrardHJMPV16											
GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	Yes	[258]	2015	INFORMS Journal on Computing	17	12	41	1323	1638
GrimesH15											
SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[553]	2015	CP 2015	10	4	17	577	775
SialaAH15											
SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[555]	2015	Constraints An Int. J.	23	4	5	1446	1644
SimoninAHL15											
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	369	780
BessiereHMQW14											
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	370	806
BillautHL12											
SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[554]	2012	CP 2012	15	3	8	578	816
SimoninAHL12											
GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[257]	2011	CP 2011	17	5	18	447	824

Table 31: Works from bibtex (Total 17)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[256]	2010	CPAIOR 2010	15	13	20	446	838
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[259]	2009	CP 2009	9	15	12	448	846
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[287]	2005	CP 2005	1	0	3	457	895

D.8 Works by Pierre Lopez

Table 32: Works from bibtex (Total 17)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[328]	2023	CP 2023	16	0	0	476	645
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[330]	2023	CPAIOR 2023	16	0	11	477	646
JuvinHL23a JuvinHL23a	C. Juvin, L. Houssin, P. Lopez	Logic-based Benders decomposition for the preemptive flexible job-shop scheduling problem	Yes	[331]	2023	Computers Operations Research	17	0	40	1355	1513
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	[285]	2022	IJCAI 2022	7	0	0	456	660
JuvinHL22 JuvinHL22	C. Juvin, L. Houssin, P. Lopez	Logic-Based Benders Decomposition for the Preemptive Flexible Job-Shop Scheduling Problem	Yes	[329]	2022	SSRN Electronic Journal	32	0	29	1354	1537
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	[503]	2020	International Journal of Production Research	18	8	23	1425	1576
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	[466]	2019	Discret. Appl. Math.	16	5	12	1408	1589
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[463]	2017	Constraints An Int. J.	18	5	10	1405	1619
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	[464]	2016	OR Spectr.	34	10	15	1406	1631
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[462]	2015	Constraints An Int. J.	21	14	13	1404	1641
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[555]	2015	Constraints An Int. J.	23	4	5	1446	1644
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	370	806
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[554]	2012	CP 2012	15	3	8	578	816
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	[375]	2011	CPAIOR 2011	14	3	15	502	828
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	[602]	2011	Computers Industrial Engineering	7	11	17	1462	1686

Table 32: Works from bibtex (Total 17)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[410]	2000	Eur. J. Control	4	0	0	1383	1746
TorresL00 TorresL00	P. Torres, P. Lopez	On Not-First/Not-Last conditions in disjunctive scheduling	Yes	[591]	2000	European Journal of Operational Research	12	26	13	1458	1751

D.9 Works by Christian Artigues

Table 33: Works from bibtex (Total 16)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
PovedaAA23 PovedaAA23	G. Poveda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	Yes	[506]	2023	CP 2023	21	0	0	557	651
HebrardALLCMR22 HebrardALLCMR22	E. Hebrard, C. Artigues, P. Lopez, A. Lussou, Steve A. Chien, A. Maillard, Gregg R. Rabideau	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration	Yes	[285]	2022	IJCAI 2022	7	0	0	456	660
PohlAK22 PohlAK22	M. Pohl, C. Artigues, R. Kolisch	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach	Yes	[502]	2022	European Journal of Operational Research	16	4	31	1424	1543
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	340	675
Polo-MejiaALB20 Polo-MejiaALB20	O. Polo-Mejia, C. Artigues, P. Lopez, V. Basini	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility	Yes	[503]	2020	International Journal of Production Research	18	8	23	1425	1576
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	[466]	2019	Discret. Appl. Math.	16	5	12	1408	1589
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[463]	2017	Constraints An Int. J.	18	5	10	1405	1619
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	[464]	2016	OR Spectr.	34	10	15	1406	1631
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[462]	2015	Constraints An Int. J.	21	14	13	1404	1641
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[553]	2015	CP 2015	10	4	17	577	775
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[555]	2015	Constraints An Int. J.	23	4	5	1446	1644
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[554]	2012	CP 2012	15	3	8	578	816
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	[481]	2006	Perspectives in Modern Project Scheduling	null	3	34	No	n/a
DemasseAM05 DemasseAM05	S. Demasse, C. Artigues, P. Michelon	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem	Yes	[176]	2005	INFORMS Journal on Computing	18	43	25	1299	1723
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	339	905

Table 33: Works from bibtex (Total 16)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	1252	1741

D.10 Works by Pierre Schaus

Table 34: Works from bibtex (Total 15)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[142]	2020	Journal of Scheduling	19	2	21	1290	1568
ThomasKS20 ThomasKS20	C. Thomas, R. Kameugne, P. Schaus	Insertion Sequence Variables for Hybrid Routing and Scheduling Problems	Yes	[586]	2020	CPAIOR 2020	18	0	16	596	693
HoundjiSW19 HoundjiSW19	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey	The item dependent stockingcost constraint	Yes	[316]	2019	Constraints An Int. J.	27	0	17	1348	1587
CappartTSR18 CappartTSR18	Q. Cappart, C. Thomas, P. Schaus, L. Rousseau	A Constraint Programming Approach for Solving Patient Transportation Problems	Yes	[130]	2018	CP 2018	17	6	31	388	715
CauwelaertLS18 CauwelaertLS18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[141]	2018	Constraints An Int. J.	36	2	39	1291	1601
CappartS17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[129]	2017	CPAIOR 2017	16	2	28	387	729
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[140]	2016	CP 2016	16	1	12	392	746
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[173]	2015	CP 2015	16	5	11	406	763
GayHLS15 GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	Yes	[229]	2015	CP 2015	9	20	15	429	765
GayHS15 GayHS15	S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint	Yes	[230]	2015	CP 2015	9	10	9	430	766
GayHS15a GayHS15a	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[231]	2015	CPAIOR 2015	16	5	12	431	767
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[232]	2014	CP 2014	15	7	11	432	788
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[317]	2014	CP 2014	16	5	7	472	789
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	[531]	2011	Constraints An Int. J.	23	14	5	1438	1683
SchausD08 SchausD08	P. Schaus, Y. Deville	A Global Constraint for Bin-Packing with Precedences: Application to the Assembly Line Balancing Problem	Yes	[530]	2008	AAAI 2008	6	0	0	568	864

D.11 Works by Helmut Simonis

Table 35: Works from bibtex (Total 16)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	337	657
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	336	674
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	1250	1564
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	332	711
HurleyOS16	B. Hurley, B. O’Sullivan, H. Simonis	ICON Loop Energy Show Case	Yes	[319]	2016	Data Mining and Constraint Programming - Foundations of a Cross-Disciplinary Approach	14	0	16	2843	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	[260]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1324	1648
IfrimOS12	G. Ifrim, B. O’Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[320]	2012	CP 2012	16	6	20	473	811
SimonisH11	H. Simonis, T. Hadzic	A Resource Cost Aware Cumulative	Yes	[562]	2011	CSCLP 2011	14	3	9	583	830
Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[559]	2007	Constraints An Int. J.	30	10	17	1447	1717
SimonisCK00	H. Simonis, P. Charlier, P. Kay	Constraint Handling in an Integrated Transportation Problem	Yes	[560]	2000	IEEE Intell. Syst.	7	11	5	1448	1749
Simonis99	H. Simonis	Building Industrial Applications with Constraint Programming	Yes	[558]	1999	CCL’99 1999	39	5	18	581	941
Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[557]	1995	CP 1995	4	7	3	579	957
Simonis95a	H. Simonis	Application Development with the CHIP System	Yes	[556]	1995	CONTESSA 1995	21	1	12	580	958
SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[561]	1995	CP 1995	14	17	8	582	959
DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[184]	1990	J. Log. Program.	19	86	9	1300	1769
DincbasHSAGB88	M. Dincbas, Pascal Van Hentenryck, H. Simonis, A. Aggoun, T. Graf, F. Berthier	The Constraint Logic Programming Language CHIP	Yes	[183]	1988	FGCS 1988	10	0	0	No	n/a

D.12 Works by Nicolas Beldiceanu

Table 36: Works from bibtex (Total 13)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[418]	2017	ICPADS 2017	8	1	8	524	736
Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[417]	2016	CPAIOR 2016	16	0	0	523	754
LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[385]	2015	Constraints An Int. J.	52	2	14	1373	1640

Table 36: Works from bibtex (Total 13)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[384]	2013	CPAIOR 2013	16	3	10	505	799
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[383]	2012	CP 2012	16	18	12	504	812
BeldiceanuCDP11 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	1272	1674
ClercqpBJ11 ClercqpBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[151]	2011	CP 2011	16	3	11	398	822
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	362	856
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[500]	2008	ICAPS 2008	8	0	0	555	863
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	363	867
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	[501]	2004	European Journal of Operational Research	16	7	8	1423	1727
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[79]	2002	CP 2002	17	33	9	361	926
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	1247	1767

D.13 Works by Luca Benini

Table 37: Works from bibtex (Total 13)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BorghesiBLMB18 BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[115]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1284	1600
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[120]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1286	1625
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[121]	2016	ECAI 2016	2	0	0	384	744
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence	28	8	15	1283	1647
LombardiMB13 LombardiMB13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	Yes	[407]	2013	IEEE Transactions on Computers	14	28	29	1380	1657
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	377	807
BeniniLMR11 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	1275	1675
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	376	820
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[400]	2011	CPAIOR 2011	17	1	13	516	829

Table 37: Works from bibtex (Total 13)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
LombardiMRB10 LombardiMRB10	M. Lombardi, M. Milano, M. Ruggiero, L. Benini	Stochastic allocation and scheduling for conditional task graphs in multi-processor systems-on-chip	Yes	[408]	2010	Journal of Scheduling	31	24	41	1381	1691
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	[525]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst. CP 2008	14	9	27	1434	1703
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	367	857
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	366	878

D.14 Works by Philippe Laborie

Table 38: Works from bibtex (Total 12)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[413]	2020	Computers Operations Research	20	30	18	1385	1572
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[371]	2018	CPAIOR 2018	9	18	10	500	720
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	[372]	2018	Constraints An Int. J.	41	148	35	1370	1610
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	530	771
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[621]	2015	CPAIOR 2015	17	31	19	617	776
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	1277	1696
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[370]	2009	CPAIOR 2009	15	53	2	499	847
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	[481]	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	[245]	2005	ICAPS 2005	9	0	0	441	894
Laborie03 Laborie03	P. Laborie	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results	Yes	[369]	2003	Artificial Intelligence	38	128	10	1369	1731
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[215]	2000	AIPS 2000	10	0	0	420	938

D.15 Works by Philippe Baptiste

Table 39: Works from bibtex (Total 11)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[46]	2018	Discret. Appl. Math.	10	3	13	1258	1599
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[45]	2009	CP 2009	1	0	0	346	845
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. Demassey, P. Laborie	Lower Bounds for Resource Constrained Project Scheduling Problem	No	[481]	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	341	886
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	2797	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	1259	1742
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[492]	1998	Constraints An Int. J.	25	14	0	1420	1757
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	348	947
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[491]	1997	PACT 1997	20	0	0	No	951

D.16 Works by Roman Barták

Table 40: Works from bibtex (Total 11)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[569]	2022	ICAART 2022	8	0	0	586	667
JelinekB16 JelinekB16	J. Jelínek, R. Barták	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station	Yes	[325]	2016	PADL 2016	10	0	5	474	751
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	352	760
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	1261	1672

Table 40: Works from bibtex (Total 11)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	1260	1687
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	1262	1688
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	[620]	2005	Constraints An Int. J.	23	21	5	1464	1725
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[619]	2004	CP 2004	15	13	4	616	914
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[54]	2002	CP 2002	16	6	4	350	924
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[53]	2002	ERCIM/CologNet 2002	15	1	9	351	925

D.17 Works by Petr Vilím

Table 41: Works from bibtex (Total 11)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[372]	2018	Constraints An Int. J.	41	148	35	1370	1610
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[621]	2015	CPAIOR 2015	17	31	19	617	776
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[618]	2011	CPAIOR 2011	16	28	6	615	831
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$	Yes	[616]	2009	CP 2009	15	25	4	613	852
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[617]	2009	CPAIOR 2009	15	13	4	614	853
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[615]	2005	CPAIOR 2005	14	5	8	612	901
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	[620]	2005	Constraints An Int. J.	23	21	5	1464	1725
Vilim04 Vilim04	P. Vilím	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint	Yes	[614]	2004	CPAIOR 2004	13	22	5	611	913
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[619]	2004	CP 2004	15	13	4	616	914
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[613]	2003	CP 2003	1	1	1	610	922
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[612]	2002	CP 2002	1	6	1	609	932

D.18 Works by Mark Wallace

Table 42: Works from bibtex (Total 11)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[627]	2020	Constraints An Int. J.	19	5	18	1467	1580
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	[284]	2018	CP 2018	18	6	26	455	717
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	[585]	2014	J. Heuristics	34	19	18	1455	1653
MilanoW09 MilanoW09	M. Milano, M. Wallace	Integrating Operations Research in Constraint Programming	Yes	[441]	2009	Annals of Operations Research	40	34	46	1396	1701
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[538]	2009	CP 2009	16	34	11	572	850
MilanoW06 MilanoW06	M. Milano, M. Wallace	Integrating operations research in constraint programming	Yes	[440]	2006	4OR	45	18	46	1395	1720
Wallace06 Wallace06	M. Wallace	Hybrid Algorithms in Constraint Programming	Yes	[626]	2006	CSCLP 2006	32	1	35	618	884
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[529]	2000	Constraints An Int. J.	30	73	0	1437	1747
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[518]	1998	CP 1998	15	19	10	565	946
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[625]	1996	Constraints An Int. J.	30	87	55	1466	1764
Wallace94 Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[624]	1994	Constraint Programming 1994	19	0	0	No	963

D.19 Works by Alessio Bonfietti

Table 43: Works from bibtex (Total 10)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	13	0	19	1282	1624
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[113]	2016	CP 2016	17	0	11	381	742
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[399]	2015	CP 2015	16	0	8	515	770
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence	28	8	15	1283	1647
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	379	782
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	378	793
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	377	807
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	380	808
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	376	820
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[400]	2011	CPAIOR 2011	17	1	13	516	829

D.20 Works by Pascal Van Hentenryck

Table 44: Works from bibtex (Total 12)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[376]	2020	SN Operations Research Forum	27	7	28	No	n/a
FontaineMH16 FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[216]	2016	CPAIOR 2016	11	3	0	421	747
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[203]	2015	CP 2015	18	3	12	419	764
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[204]	2015	CoRR	16	0	0	1306	1636
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	[531]	2011	Constraints An Int. J.	23	14	5	1438	1683
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[445]	2009	ICAPS 2009	8	0	0	534	849
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[186]	2008	CPAIOR 2008	16	1	2	412	858
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[299]	2008	CPAIOR 2008	5	13	3	463	859
MercierH08 MercierH08	L. Mercier, Pascal Van Hentenryck	Edge Finding for Cumulative Scheduling	Yes	[436]	2008	INFORMS Journal on Computing	21	32	5	1394	1711
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[298]	2004	CPAIOR 2004	16	12	14	462	907
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[184]	1990	J. Log. Program.	19	86	9	1300	1769
DincbasHSAGB88 DincbasHSAGB88	M. Dincbas, Pascal Van Hentenryck, H. Simonis, A. Aggoun, T. Graf, F. Berthier	The Constraint Logic Programming Language CHIP	Yes	[183]	1988	FGCS 1988	10	0	0	No	n/a

D.21 Works by Claude Le Pape

Table 45: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[161]	2004	Constraints and Integer Programming	null	2	34	No	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	1259	1742
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[479]	1998	J. Heuristics	16	42	0	1416	1756
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[492]	1998	Constraints An Int. J.	25	14	0	1420	1757

Table 45: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	348	947
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[491]	1997	PACT 1997	20	0	0	No	951
Pape94 Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	Yes	[490]	1994	Intelligent Systems Engineering	34	98	0	1421	1766

D.22 Works by Nysret Musliu

Table 46: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
LacknerMMWW23 LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Exact methods for the Oven Scheduling Problem	Yes	[374]	2023	Constraints An Int. J.	42	0	32	1371	1514
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[635]	2022	CP 2022	18	0	0	623	670
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[234]	2021	CPAIOR 2021	10	0	6	433	678
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[237]	2021	AAAI 2021	9	0	0	435	679
LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[373]	2021	CP 2021	18	0	0	501	684
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[236]	2019	CPAIOR 2019	16	6	15	434	703
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	[235]	2019	CoRR	16	0	0	1489	1598
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[455]	2018	CPAIOR 2018	17	7	23	541	721
KletzanderM17 KletzanderM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[347]	2017	CPAIOR 2017	15	1	9	487	734

D.23 Works by Margaux Nattaf

Table 47: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[495]	2023	Computers Operations Research	13	0	34	1422	1519

Table 47: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[467]	2020	CP 2020	16	0	6	542	691
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[423]	2019	CPAIOR 2019	17	1	7	527	706
NattafDYW19 NattafDYW19	M. Nattaf, S. Dauzère-Pérès, C. Yugma, C. Wu	Parallel machine scheduling with time constraints on machine qualifications	Yes	[465]	2019	Computers Operations Research	16	14	21	1407	1588
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	[466]	2019	Discret. Appl. Math.	16	5	12	1408	1589
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[463]	2017	Constraints An Int. J.	18	5	10	1405	1619
Nattaf16 Nattaf16	M. Nattaf	Ordonnancement sous contraintes d'énergie	Yes	[461]	2016	UPS Toulouse - Université Toulouse 3 Paul Sabatier	199	0	0	2819	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	[464]	2016	OR Spectr.	34	10	15	1406	1631
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[462]	2015	Constraints An Int. J.	21	14	13	1404	1641

D.24 Works by Claude-Guy Quimper

Table 48: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BoudreaultSLQ22 BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling	Yes	[117]	2022	CP 2022	16	0	0	383	658
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[486]	2022	CPAIOR 2022	17	1	22	549	664
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[437]	2020	CPAIOR 2020	13	2	13	531	690
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	[206]	2018	Constraints An Int. J.	22	2	20	1307	1602
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	[335]	2018	CPAIOR 2018	17	1	12	479	719
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	[485]	2018	CPAIOR 2018	18	6	16	548	724
GingrasQ16 GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[244]	2016	IJCAI 2016	7	0	0	440	749
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	369	780
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[484]	2013	CP 2013	16	12	14	547	802

D.25 Works by Tony T. Tran

Table 49: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[597]	2018	Journal of Scheduling	17	8	26	1460	1614
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	[599]	2017	J. Artif. Intell. Res.	68	12	0	1461	1622
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	[600]	2017	IJCAI 2017	5	1	0	604	739
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	Yes	[594]	2016	INFORMS Journal on Computing	13	72	28	1459	1633
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	[596]	2016	SOCS 2016	9	3	0	602	758
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	[601]	2016	AAAI 2016	9	0	0	605	759
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[581]	2014	J. Artif. Intell. Res.	38	12	0	1454	1652
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	[598]	2013	ICAPS 2013	9	0	0	603	805
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[595]	2012	ECAI 2012	6	0	0	601	817

D.26 Works by Mats Carlsson

Table 50: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
WessenCS20 WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Yes	[633]	2020	CPAIOR 2020	10	2	11	622	695
MossigeGSMC17 MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[448]	2017	CP 2017	18	6	33	535	737
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[385]	2015	Constraints An Int. J.	52	2	14	1373	1640
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[384]	2013	CPAIOR 2013	16	3	10	505	799
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[383]	2012	CP 2012	16	18	12	504	812
BeldiceanuCDP11 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	1272	1674
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	362	856
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[79]	2002	CP 2002	17	33	9	361	926

D.27 Works by Thibaut Feydy

Table 51: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[646]	2017	CP 2017	10	6	21	632	740
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[542]	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	[537]	2013	CP 2013	17	10	20	570	803
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[536]	2013	CPAIOR 2013	17	20	27	571	804
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[541]	2013	Journal of Scheduling	17	43	23	1442	1660
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[540]	2011	Constraints An Int. J.	33	57	23	1441	1684
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	[539]	2010	CoRR	37	0	0	1485	1695
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[538]	2009	CP 2009	16	34	11	572	850

D.28 Works by Mark G. Wallace

Table 52: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[542]	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	[266]	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	[541]	2013	Journal of Scheduling	17	43	23	1442	1660
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[267]	2012	CP 2012	15	5	20	453	809
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[535]	2012	CPAIOR 2012	17	18	21	569	814
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[540]	2011	Constraints An Int. J.	33	57	23	1441	1684
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	[539]	2010	CoRR	37	0	0	1485	1695
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 Works by Louis-Martin Rousseau

Table 53: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[130]	2018	CP 2018	17	6	31	388	715
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	[190]	2016	INFORMS Journal on Computing	17	56	28	1301	1627
PesantRR15 PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	Yes	[498]	2015	CPAIOR 2015	16	1	7	554	773
DoulabiRP14 DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[189]	2014	CPAIOR 2014	9	3	10	413	786
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	[422]	2013	ICAPS 2013	2	0	0	526	801
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	[421]	2012	INFORMS Journal on Computing	17	23	21	1386	1666
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[145]	2011	CPAIOR 2011	6	5	12	394	821
HachemiGR11 HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[272]	2011	Annals of Operations Research	16	32	19	1329	1678

D.30 Works by Armin Wolf

Table 54: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
GeitzGSSW22 GeitzGSSW22	M. Geitz, C. Grozea, W. Steigerwald, R. St��hr, A. Wolf	Solving the Extended Job Shop Scheduling Problem with AGVs - Classical and Quantum Approaches	Yes	[238]	2022	CPAIOR 2022	18	0	24	436	659
Wolf11 Wolf11	A. Wolf	Constraint-Based Modeling and Scheduling of Clinical Pathways	Yes	[638]	2011	CSCLP 2011	17	5	19	627	832
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[544]	2010	CP 2010	15	13	14	574	841
Wolf09 Wolf09	A. Wolf, G. Schrader	Linear Weighted-Task-Sum – Scheduling Prioritized Tasks on a Single Resource	Yes	[640]	2009	INAP 2009	17	1	12	626	854
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[545]	2005	INAP 2005	15	6	4	575	900
Wolf05 Wolf05	A. Wolf	Better Propagation for Non-preemptive Single-Resource Constraint Problems	Yes	[637]	2005	CSCLP 2005	15	4	8	625	902
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[639]	2005	INAP 2005	14	6	6	628	903
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[636]	2003	CP 2003	15	11	7	624	923

D.31 Works by Diarmuid Grimes

Table 55: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	1250	1564
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	332	711
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	Yes	[258]	2015	INFORMS Journal on Computing	17	12	41	1323	1638
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O’Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[260]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1324	1648
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[257]	2011	CP 2011	17	5	18	447	824
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[256]	2010	CPAIOR 2010	15	13	20	446	838
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[259]	2009	CP 2009	9	15	12	448	846

D.32 Works by Zdenek Hanzálek

Table 56: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[430]	2023	APMS 2023	14	0	0	529	649
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	[296]	2023	CoRR	42	0	0	1492	1523
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	[295]	2022	Computers Industrial Engineering	16	5	25	1339	1535
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[623]	2021	Computers Industrial Engineering	14	7	22	1465	1560
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	1274	1567
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	365	714
KelbelH11 KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[341]	2011	Journal of Intelligent Manufacturing	10	12	14	1358	1680

D.33 Works by Roger Kameugne

Table 57: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[336]	2023	CP 2023	17	0	0	480	647
KameugneFND23 ThomasKS20 ThomasKS20	C. Thomas, R. Kameugne, P. Schaus	Insertion Sequence Variables for Hybrid Routing and Scheduling Problems	Yes	[586]	2020	CPAIOR 2020	18	0	16	596	693
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	[335]	2018	CPAIOR 2018	17	1	12	479	719
Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[334]	2015	Constraints An Int. J.	2	0	0	1356	1639
Kameugne14	R. Kameugne	Techniques de Propagation de la Contrainte de Ressource en Ordonnancement Cumulatif	Yes	[333]	2014	University of Yaounde I, Cameroon	139	0	0	2810	n/a
KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[338]	2014	Constraints An Int. J.	27	6	10	1357	1650
KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[337]	2011	CP 2011	15	7	9	481	827

D.34 Works by András Kovács

Table 58: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[356]	2011	Constraints An Int. J.	24	4	26	1363	1681
KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[358]	2011	Constraints An Int. J.	24	3	24	1364	1682
KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[355]	2008	Eng. Appl. Artif. Intell.	7	5	14	1362	1707
KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[354]	2007	CPAIOR 2007	15	2	12	490	872
KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[360]	2006	CPAIOR 2006	13	2	7	494	881
KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[357]	2005	CP 2005	1	2	3	491	897
KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[359]	2004	CP 2004	15	3	12	493	909

D.35 Works by Barry O’Sullivan

Table 59: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	337	657

Table 59: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	336	674
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	1250	1564
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	332	711
HurleyOS16 HurleyOS16	B. Hurley, B. O'Sullivan, H. Simonis	ICON Loop Energy Show Case	Yes	[319]	2016	Data Mining and Constraint Programming - Foundations of a Cross-Disciplinary Approach	14	0	16	2843	n/a
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[260]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1324	1648
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[320]	2012	CP 2012	16	6	20	473	811

D.36 Works by Gabriela P. Henning

Table 60: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[473]	2016	Computers Chemical Engineering	17	18	31	1410	1632
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[477]	2014	Expert Syst. Appl.	14	35	26	1414	1651
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	[476]	2012	Computers Chemical Engineering	17	17	15	1413	1668
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[475]	2010	Computers Chemical Engineering	20	48	19	1412	1693
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	[656]	2010	Eng. Appl. Artif. Intell.	20	33	28	1478	1694
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[514]	2005	ICRA 2005	6	2	7	562	899
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[655]	2005	Inteligencia Artif.	10	0	0	1477	1726

D.37 Works by Yves Deville

Table 61: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[174]	2014	CPAIOR 2014	9	0	7	407	783
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[317]	2014	CP 2014	16	5	7	472	789
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	[531]	2011	Constraints An Int. J.	23	14	5	1438	1683
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[445]	2009	ICAPS 2009	8	0	0	534	849
SchausD08 SchausD08	P. Schaus, Y. Deville	A Global Constraint for Bin-Packing with Precedences: Application to the Assembly Line Balancing Problem	Yes	[530]	2008	AAAI 2008	6	0	0	568	864
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[444]	2007	CPAIOR 2007	14	0	12	533	875

D.38 Works by Stefan Heinz

Table 62: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[291]	2013	CPAIOR 2013	16	9	15	460	797
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[294]	2013	Constraints An Int. J.	36	7	31	1340	1656
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[290]	2012	CPAIOR 2012	17	8	21	459	810
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[292]	2012	Constraints An Int. J.	12	10	9	1341	1662
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[293]	2011	SEA 2011	10	5	12	461	825
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	368	835

D.39 Works by Arnaud Malapert

Table 63: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[467]	2020	CP 2020	16	0	6	542	691
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[423]	2019	CPAIOR 2019	17	1	7	527	706
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	[422]	2013	ICAPS 2013	2	0	0	526	801
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	[421]	2012	INFORMS Journal on Computing	17	23	21	1386	1666
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	[420]	2011	��cole des mines de Nantes, France	194	0	0	2816	n/a
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[259]	2009	CP 2009	9	15	12	448	846

D.40 Works by Wim Nuijten

Table 64: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[245]	2005	ICAPS 2005	9	0	0	441	894
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	[215]	2000	AIPS 2000	10	0	0	420	938
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[563]	2000	INFORMS Journal on Computing	12	7	14	1449	1750
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[479]	1998	J. Heuristics	16	42	0	1416	1756

D.41 Works by Erwin Pesch

Table 65: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
MullerMKP22 MullerMKP22	D. M��ller, Marcus Gerhard M��ller, D. Kress, E. Pesch	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning	Yes	[451]	2022	European Journal of Operational Research	18	17	59	1400	1539

Table 65: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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
DomdorfPH03 DomdorfPH03	U. Domdorf, E. Pesch, Toàn Phan Huy	Machine Learning by Schedule Decomposition — Prospects for an Integration of AI and OR Techniques for Job Shop Scheduling	No	[185]	2003	Advances in Evolutionary Computing	null	0	57	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	[122]	1999	European Journal of Operational Research	39	990	137	No	n/a
DorndorfHP99 DorndorfHP99	U. Dorndorf, Toàn Phan Huy, E. Pesch	A Survey of Interval Capacity Consistency Tests for Time- and Resource-Constrained Scheduling	No	[187]	1999	Project Scheduling	null	18	20	No	n/a
DorndorfPH99 DorndorfPH99	U. Dorndorf, E. Pesch, Toàn Phan Huy	Recent Developments in Scheduling	No	[188]	1999	Operations Research Proceedings 1999	null	0	34	No	939
BlazewiczDP96 BlazewiczDP96	J. Błażewicz, W. Domschke, E. Pesch	The job shop scheduling problem: Conventional and new solution techniques	Yes	[125]	1996	European Journal of Operational Research	33	344	127	1278	1762

D.42 Works by Emmanuel Poder

Table 66: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BeldiceanuCDP11 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	1272	1674
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[499]	2009	CoRR	12	0	0	1484	1705
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	362	856
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[500]	2008	ICAPS 2008	8	0	0	555	863
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	363	867
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	[501]	2004	European Journal of Operational Research	16	7	8	1423	1727

D.43 Works by Vahid Roshanaei

Table 67: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[460]	2023	INFORMS Journal on Computing	27	2	50	1403	1517
NaderiR22 NaderiR22	B. Naderi, V. Roshanaei	Critical-Path-Search Logic-Based Benders Decomposition Approaches for Flexible Job Shop Scheduling	No	[458]	2022	INFORMS Journal on Optimization	null	5	49	No	1542
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	[459]	2021	Production and Operations Management	null	22	61	No	1557
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	[521]	2020	International Journal of Production Economics	19	24	43	1432	1578
RoshanaeiLAU17 RoshanaeiLAU17	V. Roshanaei, C. Luong, Dionne M. Aleman, D. Urbach	Propagating logic-based Benders' decomposition approaches for distributed operating room scheduling	Yes	[522]	2017	European Journal of Operational Research	17	61	46	1433	1620
RoshanaeiLAU17a RoshanaeiLAU17a	V. Roshanaei, C. Luong, Dionne M. Aleman, David R. Urbach	Collaborative Operating Room Planning and Scheduling	No	[523]	2017	INFORMS Journal on Computing	null	54	42	No	1621

D.44 Works by Cyrille Dejemeppe

Table 68: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[142]	2020	Journal of Scheduling	19	2	21	1290	1568
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[140]	2016	CP 2016	16	1	12	392	746
Dejemeppe16 Dejemeppe16	C. Dejemeppe	Constraint programming algorithms and models for scheduling applications	Yes	[172]	2016	Catholic University of Louvain, Louvain-la-Neuve, Belgium	274	0	0	2801	n/a
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[173]	2015	CP 2015	16	5	11	406	763
DejemeppeD14 DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[174]	2014	CPAIOR 2014	9	0	7	407	783

D.45 Works by Sophie Demasse

Table 69: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BeldiceanuCDP11 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	1272	1674
HermenierDL11 HermenierDL11	F. Hermenier, S. Demassey, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[300]	2011	CP 2011	15	28	5	464	826
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	[481]	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	[176]	2005	INFORMS Journal on Computing	18	43	25	1299	1723
Demassey03 Demassey03	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	[175]	2003	University of Avignon, France	148	0	0	2802	n/a

D.46 Works by Ignacio E. Grossmann

Table 70: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[279]	2014	Computers Chemical Engineering	33	381	176	1335	1649
CastroGR10 CastroGR10	Pedro M. Castro, Ignacio E. Grossmann, L. Rousseau	Decomposition Techniques for Hybrid MILP/CP Models applied to Scheduling and Routing Problems	No	[138]	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	[426]	2004	CPAIOR 2004	20	15	15	528	911
HarjunkoskiG02 HarjunkoskiG02	I. Harjunkoski, Ignacio E. Grossmann	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods	Yes	[278]	2002	Computers Chemical Engineering	20	169	11	1334	1733
JainG01 JainG01	V. Jain, Ignacio E. Grossmann	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems	Yes	[323]	2001	INFORMS Journal on Computing	19	279	23	1351	1738

D.47 Works by Hanyu Gu

Table 71: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[202]	2022	SN Computer Science	10	0	57	1305	1532
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	[266]	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	[585]	2014	J. Heuristics	34	19	18	1455	1653
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	[265]	2013	CPAIOR 2013	7	10	24	452	796
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[267]	2012	CP 2012	15	5	20	453	809

D.48 Works by Narendra Jussien

Table 72: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[422]	2013	ICAPS 2013	2	0	0	526	801
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	[421]	2012	INFORMS Journal on Computing	17	23	21	1386	1666
ClercqPBJ11 ClercqPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[151]	2011	CP 2011	16	3	11	398	822
ElkhyariGJ02 ElkhyariGJ02	A. Elkhyari, C. Gu��ret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems	Yes	[197]	2002	CP 2002	6	1	6	416	927
ElkhyariGJ02a ElkhyariGJ02a	A. Elkhyari, C. Gu��ret, N. Jussien	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools	Yes	[198]	2002	PATAT 2002	24	9	20	417	928

D.49 Works by Juan M. Novas

Table 73: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[474]	2019	Computers Industrial Engineering	13	30	29	1411	1591

Table 73: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[473]	2016	Computers Chemical Engineering	17	18	31	1410	1632
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[477]	2014	Expert Syst. Appl.	14	35	26	1414	1651
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	[476]	2012	Computers Chemical Engineering	17	17	15	1413	1668
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[475]	2010	Computers Chemical Engineering	20	48	19	1412	1693

D.50 Works by Kenneth N. Brown

Table 74: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	1250	1564
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	332	711
MurphyMB15 MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System	Yes	[453]	2015	CP 2015	17	1	20	539	772
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	Yes	[643]	2009	Computers Operations Research	9	42	5	1470	1704
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[642]	2005	CP 2005	1	0	0	630	904

D.51 Works by Bahman Naderi

Table 75: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[460]	2023	INFORMS Journal on Computing	27	2	50	1403	1517

Table 75: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
NaderiBZ22 NaderiBZ22	B. Naderi, Mehmet A. Begen, G. Zhang	Integrated Order Acceptance and Resource Decisions Under Uncertainty: Robust and Stochastic Approaches	Yes	[457]	2022	SSRN Electronic Journal	29	0	44	1401	1540
NaderiBZ22a NaderiBZ22a	B. Naderi, Mehmet A. Begen, Gregory S. Zaric	Type-2 integrated process-planning and scheduling problem: Reformulation and solution algorithms	Yes	[456]	2022	Computers Operations Research	19	3	44	1402	1541
NaderiR22 NaderiR22	B. Naderi, V. Roshanaei	Critical-Path-Search Logic-Based Benders Decomposition Approaches for Flexible Job Shop Scheduling	No	[458]	2022	INFORMS Journal on Optimization	null	5	49	No	1542
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	[459]	2021	Production and Operations Management	null	22	61	No	1557

D.52 Works by Mohamed Siala

Table 76: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	1250	1564
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	332	711
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[551]	2015	Constraints An Int. J.	2	4	0	1445	1643
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	[552]	2015	INSA Toulouse, France	199	0	0	2821	n/a
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[553]	2015	CP 2015	10	4	17	577	775

D.53 Works by Marek Vlk

Table 77: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[296]	2023	CoRR	42	0	0	1492	1523
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	[295]	2022	Computers Industrial Engineering	16	5	25	1339	1535
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[623]	2021	Computers Industrial Engineering	14	7	22	1465	1560
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	365	714
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	352	760

D.54 Works by Nic Wilson

Table 78: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	1250	1564
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	332	711
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	1268	1713
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[72]	2005	IJCAI 2005	6	0	0	359	887
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[71]	2004	ECAI 2004	5	0	0	358	906

E Other Works

E.1 Books from bibtex

Table 79: Works from bibtex (Total 3)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
ArtiguesDN08	P. Baptiste, Claude Le Pape, W. Nuijten	Resource Constrained Project Scheduling	No	[31]	2008	Book	null	63	0	No	n/a
ArtiguesDN08		Constraint-Based Scheduling	No	[50]	2001	Book	null	296	0	No	n/a
BaptistePN01 BaptistePN01											
Hooker00 Hooker00	John N. Hooker	Logic Based Methods for Optimization: Combining Optimization and Constraint Satisfaction	No	[304]	2000	Book	null	185	0	No	n/a

E.2 PhDThesis from bibtex

Table 80: Works from bibtex (Total 27)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	2796	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	[246]	2021	IMT Atlantique Bretagne Pays de la Loire, Brest, France	168	0	0	2808	n/a
Groleaz21 Groleaz21	L. Groleaz	The Group Cumulative Scheduling Problem	Yes	[261]	2021	Université de Lyon	153	0	0	2809	n/a
Lemos21 Lemos21	Alexandre Duarte de Almeida Lemos	Solving scheduling problems under disruptions	Yes	[381]	2021	UNIVERSIDADE DE LISBOA INSTITUTO SUPERIOR TÉCNICO	188	0	0	2812	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	[652]	2021	Université de Tours - LIFAT	185	0	0	2822	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	[414]	2020	University of Luxembourg, Luxembourg City, Luxembourg	181	0	0	2815	n/a
Caballero19 Caballero19	Jordi Coll Caballero	Scheduling Through Logic-Based Tools	Yes	[126]	2019	Universitat de Girona, Spain	194	0	0	2799	n/a
German18 German18	G. German	Constraint programming for lot-sizing problems	Yes	[240]	2018	Université Grenoble Alpes	112	0	0	2807	n/a
Dejemeppe16 Dejemeppe16	C. Dejemeppe	Constraint programming algorithms and models for scheduling applications	Yes	[172]	2016	Catholic University of Louvain, Louvain-la-Neuve, Belgium	274	0	0	2801	n/a
Fahimi16 Fahimi16	H. Fahimi	Efficient algorithms to solve scheduling problems with a variety of optimization criteria	Yes	[205]	2016	Université Laval, Quebec, Canada	120	0	0	2805	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	[222]	2016	Université d'Angers	181	0	0	2806	n/a
Nattaf16 Nattaf16	M. Nattaf	Ordonnancement sous contraintes d'énergie	Yes	[461]	2016	UPS Toulouse - Université Toulouse 3 Paul Sabatier	199	0	0	2819	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	[178]	2015	École des mines de Nantes, France	113	0	0	2803	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	[552]	2015	INSA Toulouse, France	199	0	0	2821	n/a
Kameugne14 Kameugne14	R. Kameugne	Techniques de Propagation de la Contrainte de Ressource en Ordonnancement Cumulatif	Yes	[333]	2014	University of Yaounde I, Cameroon	139	0	0	2810	n/a
Letort13 Letort13	A. Letort	Passage à l'échelle pour les contraintes d'ordonnancement multi-ressources	Yes	[382]	2013	Ecole des Mines de Nantes	132	0	0	2813	n/a
Clercqc12 Clercq12	Alexis de Clercq	Ordonnancement cumulatif avec dépassements de capacité : Contrainte globale et décompositions	Yes	[169]	2012	Ecole des Mines de Nantes	196	0	0	2800	n/a

Table 80: Works from bibtex (Total 27)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[420]	2011	École des mines de Nantes, France	194	0	0	2816	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	[432]	2011	University of Nantes, France	148	0	0	2818	n/a
Schutt11 Schutt11	A. Schutt	Improving Scheduling by Learning	Yes	[534]	2011	University of Melbourne, Australia	209	0	0	2820	n/a
Lombardi10 Lombardi10	M. Lombardi	Hybrid Methods for Resource Allocation and Scheduling Problems in Deterministic and Stochastic Environments	Yes	[398]	2010	University of Bologna, Italy	175	0	0	2814	n/a
Malik08 Malik08	Abid M. Malik	Constraint Programming Techniques for Optimal Instruction Scheduling	Yes	[424]	2008	University of Waterloo, Ontario, Canada	151	0	0	2817	n/a
Demassey03 Demassey03	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	[175]	2003	University of Avignon, France	148	0	0	2802	n/a
Elkhyari03 Elkhyari03	A. Elkhyari	Outils d'aide à la décision pour des problèmes d'ordonnancement dynamiques	Yes	[196]	2003	Université de Nantes	333	0	0	2804	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	2797	n/a
Layfield02 Layfield02	Colin J. Layfield	A constraint programming pre-processor for duty scheduling	Yes	[380]	2002	University of Leeds, UK	230	0	0	2811	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	2798	n/a

Table 81: 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, transportation, flow-shop, resource, scheduling, make-span, open-shop, completion-time, task, machine, job, re-scheduling, precedence, order, inventory, tardiness, activity, setup-time, preempt, release-date, sequence dependent setup	RCPSP, single machine, parallel machine	disjunctive, cumulative, alldifferent, cycle, circuit	C++, Julia	OZ, OPL, Cplex, Gecode	satellite, drone, agriculture, semiconductor, robot	potash industry, mineral industry, mining industry	benchmark, real-world, generated instance, real-life	not-first, time-tabling, edge-finding, not-last	2769	n/a
Baptiste02 [44]	237	completion-time, job, precedence, re-scheduling, distributed, resource, inventory, no preempt, setup-time, release-date, open-shop, due-date, scheduling, tardiness, preempt, flow-time, task, order, lateness, earliness, job-shop, machine, activity, make-span, sequence dependent setup, cmax, flow-shop	Open Shop Scheduling Problem, PJSSP, single machine, parallel machine, RCPSP, OSSP, JSSP	cumulative, circuit, disjunctive, alternative constraint, table constraint	Prolog, C++	OPL, Choco Solver, CHIP, Claire, ECLiPSe, Ilog Scheduler, Ilog Solver, OZ, Z3	hoist		generated instance, benchmark, real-life	not-last, not-first, edge-finding, energetic reasoning	2793	n/a
Beck99 [62]	418	transportation, due-date, stock level, multi-agent, order, distributed, preempt, scheduling, inventory, precedence, make-span, re-scheduling, machine, resource, job, release-date, job-shop, tardiness, task, producer/consumer, activity	single machine	circuit, disjunctive, cumulative	Prolog, C++	CHIP, Ilog Solver, Ilog Scheduler, OPL	robot, medical		benchmark, real-world	not-first, not-last, edge-finding	2795	n/a
Caballero19 [126]	194	resource, order, setup-time, task, machine, preempt, activity, distributed, lazy clause generation, precedence, release-date, cmax, make-span, scheduling, completion-time	psplib, RCPSP	alldifferent, cumulative, circuit, cycle	C++	SCIP, CHIP, Z3, CPO, Chuffed, MiniZinc, OZ, OPL			benchmark, real-life, instance generator	time-tabling, edge-finding, energetic reasoning, bi-partite matching	2775	n/a
Clerc12 [169]	196	make-span, order, resource, scheduling, machine, job, manpower, activity, job-shop, due-date, task	psplib	cumulative, disjunctive, alldifferent, circuit	Prolog	OZ, CHIP, ECLiPSe, Gecode, SICStus, Choco Solver	patient		benchmark	energetic reasoning, edge-finding, sweep, time-tabling, not-first, not-last	2785	n/a

Table 81: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Dejemeppe16 [172]	274	completion-time, re-scheduling, make-span, sequence dependent setup, resource, open-shop, order, setup-time, job, activity, earliness, due-date, continuous-process, task, machine, preempt, release-date, flow-shop, job-shop, batch process, lateness, tardiness, precedence, scheduling	psplib, PTC, single machine, RCPSP	alldifferent, disjunctive, cycle, cumulative, circuit		CHIP, OR-Tools, CPO, Ilog Solver, OPL, OZ, Gecode	medical, patient, super-computer, nurse, robot, physician, container terminal		generated instance, benchmark, industrial partner, random instance, real-world, instance generator, bitbucket	not-last, not-first, sweep, edge-finding	2777	n/a
Demasse03 [175]	148	job, precedence, release-date, resource, job-shop, open-shop, scheduling, preempt, activity, flow-shop, task, order, machine	single machine, psplib, CuSP, RCPSP, TCSP	circuit, cumulative, disjunctive, cycle	C++	Claire, Cplex, Ilog Solver, OZ			benchmark	not-last, time-tabling, not-first, edge-finding	2791	n/a
Derrien15 [178]	113	job-shop, resource, scheduling, make-span, precedence, order, task, machine, job, activity, preempt, open-shop	psplib, CuSP	alldifferent, circuit, disjunctive, cumulative		Claire, Choco Solver	robot		benchmark	time-tabling, energetic reasoning, edge-finding, sweep	2781	n/a
Elkhyari03 [196]	333	open-shop, scheduling, tardiness, task, order, job-shop, machine, preempt, activity, make-span, flow-shop, cmax, re-scheduling, resource, job, precedence, release-date	parallel machine, Temporal Constraint Satisfaction Problem, RCPSP, CuSP, single machine	disjunctive, cycle, cumulative		OZ, CPO, Choco Solver, Claire			benchmark, Roadeff	time-tabling	2792	n/a
Fahimi16 [205]	120	resource, activity, completion-time, flow-shop, precedence, batch process, setup-time, lateness, job-shop, due-date, task, open-shop, transportation, order, sequence dependent setup, preempt, make-span, tardiness, scheduling, machine, job	parallel machine, single machine, CuSP, RCPSP	cycle, cumulative, alternative constraint, disjunctive, alldifferent	Java, C++	Choco Solver, OZ, CHIP, Ilog Scheduler, Gecode	aircraft		benchmark, random instance, Roadeff, real-world	time-tabling, not-first, not-last, energetic reasoning, edge-finding, max-flow, sweep	2778	n/a
Froger16 [222]	181	order, preempt, distributed, resource, completion-time, inventory, scheduling, machine, job, manpower, batch process, release-date, task, re-scheduling, transportation	CuSP, TMS, single machine	disjunctive, cycle, cumulative	Java	Choco Solver, Gurobi, OZ	satellite, energy-price, offshore	power industry, electricity industry	real-life, real-world, instance generator, industrial partner, benchmark, Roadeff, generated instance	max-flow	2779	n/a
German18 [240]	112	resource, setup-time, stock level, job, job-shop, task, activity, cmax, earliness, order, inventory, scheduling, machine		cumulative, bin-packing, disjunctive	Prolog	OPL, Choco Solver, Cplex, OZ, Z3, SICStus	nurse		real-world, benchmark, generated instance, real-life, CSPLib		2776	n/a

Table 81: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Godet21a [246]	168	flow-shop, precedence, open-shop, cmax, release-date, preempt, due-date, make-span, transportation, order, scheduling, machine, lazy clause generation, distributed, resource, completion-time, lateness, job, job-shop, task, activity	single machine, JSSP, PMSP, RCPSP, psplib, parallel machine	bin-packing, disjunctive, alldifferent, cycle, cumulative		MiniZinc, CHIP, OR-Tools, OZ, OPL, Claire, Choco Solver, Chuffed	satellite, robot, railway	electricity industry	generated instance, real-life, benchmark, github, random instance	time-tabling, sweep, edge-finding	2770	n/a
Groleaz21 [261]	153	inventory, tardiness, activity, setup-time, preempt, release-date, earliness, sequence dependent setup, distributed, due-date, job-shop, transportation, flow-shop, resource, scheduling, make-span, cmax, open-shop, completion-time, task, machine, job, lateness, re-scheduling, precedence, order	Open Shop Scheduling Problem, RCPSP, single machine, parallel machine, OSP, GCSP	circuit, disjunctive, cumulative, cycle, noOverlap, span constraint	Java, Julia	CPO, Gecode, SCIP, Choco Solver, OZ, Z3, OPL, OR-Tools, Cplex, Gurobi	robot, automotive, dairy	food industry	benchmark, real-life	not-first, edge-finding, not-last	2771	n/a
Kameugne14 [333]	139	resource, job, scheduling, task, order, job-shop, machine, preempt, make-span, flow-shop, completion-time	parallel machine, RCPSP, psplib, CuSP	circuit, cumulative, disjunctive	Java, Prolog, C++	Choco Solver, Claire, Gecode, CHIP, ECLiPSe, SICStus, Cplex, Mistral			Roadef	not-last, time-tabling, edge-finding, not-first, edge-finder, energetic reasoning	2783	n/a
Layfield02 [380]	230				C	OZ, OPL	Z3,				2794	n/a
Lemos21 [381]	188	transportation, precedence, job-shop, multi-agent, machine, task, re-scheduling, job, order, distributed, resource, scheduling	RCPSP	cycle, alldifferent, cumulative	Java, C++, Python	OZ, Cplex, Gurobi, OPL	medical, railway, crew-scheduling, surgery, COVID		real-world, Roadef, github, real-life, benchmark	time-tabling	2772	n/a
Letort13 [382]	132	precedence, cmax, order, scheduling, machine, resource, job, job-shop, task	psplib	geost, bin-packing, disjunctive, alldifferent, cumulative	Java, Prolog	CHIP, SICStus, Claire, Choco Solver	steel mill, datacenter		Roadef, CSPlib, benchmark	not-first, energetic reasoning, edge-finding, sweep, time-tabling, not-last	2784	n/a

Table 81: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Lombardi10 [398]	175	make-span, re-scheduling, inventory, job, precedence, lazy clause generation, release-date, distributed, tardiness, resource, setup-time, job-shop, due-date, scheduling, preempt, activity, task, order, completion-time, machine	single machine, SCC, CTW, RCPSP, TCSP	cumulative, disjunctive, cycle, table constraint, span constraint, bin-packing, circuit	C	OPL, Cplex, Ilog Solver, OZ	aircraft, semiconductor, pipeline, medical, automotive		real-world, generated instance, instance generator, benchmark, real-life	not-last, time-tabling, sweep, not-first, edge-finder, edge-finding, energetic reasoning	2789	n/a
Lunardi20 [414]	181	re-scheduling, setup-time, release-date, no preempt, due-date, preempt, job-shop, batch process, transportation, flow-shop, resource, scheduling, make-span, open-shop, task, precedence, order, cmax, completion-time, machine, tardiness, job, lateness, activity	FJS, parallel machine, single machine	endBeforeStart, alldifferent, disjunctive, cycle, noOverlap	Python	CPO, OPL, Cplex	robot		supplementary material, industrial partner, instance generator, benchmark, random instance, real-world, generated instance, real-life, github		2774	n/a
Malapert11 [420]	194	flow-time, task, order, lateness, job-shop, machine, preempt, activity, make-span, cmax, flow-shop, completion-time, job, precedence, transportation, batch process, resource, inventory, setup-time, open-shop, due-date, scheduling, tardiness	Open Shop Scheduling Problem, single machine	cycle, alldifferent, bin-packing, cumulative, diffn, circuit, disjunctive, geost	Java, Prolog, C++	ECLiPSe, Mistral, SICStus, Cplex, OZ, OPL, Choco Solver, CHIP, Claire, Ilog Scheduler, Gecode	rectangle-packing, robot, semiconductor, patient		real-world, generated instance, industrial partner, benchmark	edge-finding, energetic reasoning, not-last, time-tabling, sweep, not-first	2786	n/a
Malik08 [424]	151	order, machine, task, job, completion-time, activity, distributed, precedence, resource, make-span, scheduling		alldifferent, cycle			pipeline		real-life, benchmark	edge-finding	2790	n/a
Menana11 [432]	148	distributed, resource, machine, task, manpower, activity, precedence, scheduling		alldifferent	Prolog	Choco Solver, Z3, OZ, CHIP, OPL, Claire	nurse		github, benchmark, Roadef	time-tabling	2787	n/a
Nattaf16 [461]	199	order, tardiness, inventory, scheduling, machine, resource, flow-shop, setup-time, job, job-shop, task, cmax, preempt, due-date, make-span	RCPSP, CECSP, psplib, parallel machine, single machine, CuSP	alldifferent, cumulative, disjunctive	C++	Claire, Cplex, OZ	robot	process industry	Roadef	sweep, energetic reasoning, edge-finding	2780	n/a

Table 81: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Schutt11 [534]	209	order, tardiness, scheduling, lazy clause generation, resource, completion-time, machine, setup-time, job, job-shop, task, activity, precedence, open-shop, cmax, release-date, preempt, make-span	Open Shop Scheduling Problem, RCPSP, psplib	bin-packing, disjunctive, alldifferent, cycle, cumulative, circuit, geost	Prolog, C++	CHIP, SICStus, ECLiPSe, Ilog Scheduler, SCIP, Ilog Solver, OZ	rectangle-packing		real-world, industrial instance, generator, benchmark	sweep, edge-finding, edge-finder, not-last, time-tabling, not-first, energetic reasoning	2788	n/a
Siala15a [552]	199	setup-time, job-shop, task, activity, precedence, open-shop, earliness, cmax, sequence dependent setup, due-date, lazy clause generation, make-span, order, tardiness, scheduling, machine, job, resource	OSP, single machine, TMS, RCPSP	table constraint, cumulative, circuit, disjunctive, alldifferent, cycle		CHIP, Ilog Solver, Mistral, OPL, Claire	automotive, rectangle-packing		benchmark, github, random instance, Roadeff, real-world, CSPLib	time-tabling, edge-finding	2782	n/a
Zahout21 [652]	185	distributed, resource, completion-time, machine, job, job-shop, activity, flow-shop, precedence, release-date, preempt, due-date, task, re-scheduling, make-span, multi-agent, scheduling	RCPSP, SCC, TCSP, CuSP, parallel machine, single machine	cycle, cumulative, circuit, bin-packing		CPO, Cplex, OZ, Claire	datacenter, crew-scheduling, satellite		benchmark		2773	n/a

E.3 InBook from bibtex

Table 82: Works from bibtex (Total 12)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[542]	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	[143]	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	[266]	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	[438]	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	[138]	2010	Hybrid Optimization	null	0	67	No	n/a
Hooker10 Hooker10	John N. Hooker	Hybrid Modeling	No	[310]	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	[481]	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	[161]	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	[185]	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	[187]	1999	Project Scheduling	null	18	20	No	n/a

E.4 InCollection from bibtex

Table 83: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[312]	2019	Large Scale Optimization in Supply Chains and Smart Manufacturing	26	8	0	2842	n/a
HurleyOS16 HurleyOS16	B. Hurley, B. O'Sullivan, H. Simonis	ICON Loop Energy Show Case	Yes	[319]	2016	Data Mining and Constraint Programming - Foundations of a Cross-Disciplinary Approach	14	0	16	2843	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	[339]	2004	Handbook of Scheduling - Algorithms, Models, and Performance Analysis	22	0	0	2844	n/a
BreitingerL95 BreitingerL95	S. Breitinger, Hendrik C. R. Lock	Using Constraint Logic Programming for Industrial Scheduling Problems	No	[119]	1995	Logic Programming: Formal Methods and Practical Applications, Studies in Computer Science and Artificial Intelligence	27	0	0	No	n/a

Table 84: Automatically Extracted INCOLLECTION Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Hooker19 [312]	26	machine, job, job-shop, task, activity, sequence dependent setup, release-date, due-date, make-span, transportation, order, tardiness, inventory, scheduling, distributed, resource	parallel machine, single machine	cycle, cumulative, circuit, disjunctive		MiniZinc, OZ, OPL	container terminal, patient, torpedo, satellite, yard crane, railway, operating room, aircraft		industrial instance	in- time-tabling	2836	n/a
HurleyOS16 [319]	14	re-scheduling, distributed, resource, scheduling, task, order, machine		cumulative			super-computer, energy-price, datacentre		real-world, benchmark		2837	n/a
KanetAG04 [339]	22	make-span, precedence, order, completion-time, task, machine, tardiness, job, activity, inventory, earliness, setup-time, transportation, due-date, job-shop, resource, scheduling	single machine, parallel machine	disjunctive, alldifferent		ECLiPSe, Cplex, Ilog Solver, OPL	patient			time-tabling	2840	n/a

F Background Works

Table 85: Works from bibtex (Total 23)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	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	[281]	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	[376]	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	[515]	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	[280]	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	[647]	2010	Operations Research	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	[468]	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	[349]	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	[122]	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	[548]	1998	CP 1998	15	630	11	No	n/a
KolischS97 KolischS97	R. Kolisch, A. Sprecher	PSPLIB - A project scheduling problem library	Yes	[350]	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	[135]	1994	European Journal of Operational Research	16	151	10	No	n/a
Taillard93 Taillard93	E. Taillard	Benchmarks for basic scheduling problems	Yes	[571]	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	[171]	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	[134]	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	[133]	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	[183]	1988	FGCS 1988	10	0	0	No	n/a

Table 85: Works from bibtex (Total 23)

Key	Authors	Title	LC	Cite	Year	Conference /Journal		Pages	Nr Cites	Nr Refs	b	c
BlazewiczLK83 BlazewiczLK83	J. Blazewicz, Jan Karel Lenstra, A. H. G. Rinnooy Kan	Scheduling subject to resource constraints: classification and complexity	Yes	[98]	1983	Discret. Math.	Appl.	14	947	6	No	n/a
Lauriere78 Lauriere78	J. Lauriere	A language and a program for stating and solving combinatorial problems	No	[379]	1978	Artificial intelligence	Intelli-	null	149	14	No	n/a
Benders62 Benders62	Jacques F. Benders	Partitioning procedures for solving mixed-variables programming problems	Yes	[85]	1962	Numerische	Mathe- matik	15	2583	6	No	n/a