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]	AkramNHRSA23 [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]	BogaerdtW19 [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]
Demassey03 [175]	DemasseyAM05 [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]	ErtlK91 [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 [2
FetgoD22 [214]	FocacciLN00 [215]	FontaineMH16 [216]	ForbesHJST24 [217]	FortinZDF05 [218]	FrankK05 [219]
FriedrichFMRSST14 [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]	HoYCLLCLC18 [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 [3
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	641
Bit-Monnot23 Bit-Monnot23	A. Bit-Monnot	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	Yes	[96]	2023	ECAI 2023	8	0	0	370	642
EfthymiouY23 EfthymiouY23	N. Efthymiou, N. Yorke-Smith	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	Yes	[194]	2023	CPAIOR 2023	16	0	23	414	643
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	475	644
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	476	645
KameugneFND23 KameugneFND23	R. Kameugne, Sévérine 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	479	646
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	484	647
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	528	648
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	552	649
PovedaAA23 PovedaAA23	G. Povéda, 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	556	650
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	583	651
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	589	652
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	590	653
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	619	654
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	632	655
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	656
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	382	657
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	435	658
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	455	659
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	474	660
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	505	661

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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	520	662
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[486]	2022	CPAIOR 2022	17	1	22	548	663
OujanaAYB22 OujanaAYB22	S. Oujana, L. Amodeo, F. Yalaoui, D. Brodart	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	549	664
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	555	665
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	585	666
Teppan22 Teppan22	Erich Christian Teppan	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	Yes	[579]	2022	ICAART 2022	8	0	0	591	667
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	598	668
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	622	669
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	633	670
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	634	671
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	672
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	673
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	No	[32]	2021	ICORES 2021	8	0	0	No	674
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	341	675
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	363	676
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	432	677
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	434	678
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	453	679
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	464	680
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	485	681
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	491	682
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	500	683
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	684

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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	353	685
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	441	686
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	448	687
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	449	688
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	530	689
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	541	690
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	588	691
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	595	692
WangB20 WangB20	R. Wang, N. Barnier	Global Propagation of Transition Cost for Fixed Job Scheduling	Yes	[628]	2020	ECAI 2020	8	0	0	618	693
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	621	694
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	343	695
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	359	696
BogaerdtW19 BogaerdtW19	Pim van den Bogaerdt, Mathijs de Weerdt	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	Yes	[607]	2019	CPAIOR 2019	16	1	16	374	697
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	400	698
FrimodigS19 FrimodigS19	S. Frimodig, C. Schulte	Models for Radiation Therapy Patient Scheduling	Yes	[221]	2019	CP 2019	17	3	26	423	699
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	424	700
GalleguillosKSB19 GalleguillosKSB19	C. Galleguillos, Z. Kiziltan, A. Sîrbu, Özalp Babaoglu	Constraint Programming-Based Job Dispatching for Modern HPC Applications	Yes	[225]	2019	CP 2019	18	1	27	426	701
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	433	702
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	496	703
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	513	704
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	526	705
MurinR19 MurinR19	S. Murín, H. Rudová	Scheduling of Mobile Robots Using Constraint Programming	Yes	[452]	2019	CP 2019	16	2	22	537	706
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	550	707
Tom19 Tom19	M. Tom	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling	Yes	[589]	2019	FUZZ-IEEE 2019	6	0	21	597	708
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[644]	2019	CPAIOR 2019	10	1	14	630	709

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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	710
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	711
AstrandJZ18 AstrandJZ18	M. Åstrand, M. Johansson, A. Zanarini	Fleet Scheduling in Underground Mines Using Constraint Programming	Yes	[37]	2018	CPAIOR 2018	9	9	10	342	712
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	364	713
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	387	714
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	407	715
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	454	716
HoYCLLCLC18 HoYCLLCLC18	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	465	717
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Sévérine 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	478	718
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	499	719
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[455]	2018	CPAIOR 2018	17	7	23	540	720
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	542	721
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	543	722
OuelletQ18 OuelletQ18	Y. Ouellet, C. Quimper	A O(n \log ˆ2 n) Checker and O(nˆ2 \log n) Filtering Algorithm for the Energetic Reasoning	Yes	[485]	2018	CPAIOR 2018	18	6	16	547	723
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	563	724
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	587	725
Tesch18 Tesch18	A. Tesch	Improving Energetic Propagations for Cumulative Scheduling	Yes	[583]	2018	CP 2018	17	5	21	593	726
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	371	727
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	386	728
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	399	729
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	436	730
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[250]	2017	CP 2017	16	0	10	442	731
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[311]	2017	CP 2017	14	6	24	469	732

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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	486	733
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	511	734
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	523	735
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	534	736
Pralet17 Pralet17	C. Pralet	An Incomplete Constraint-Based System for Scheduling with Renewable Resources	Yes	[507]	2017	CP 2017	19	1	30	557	737
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	603	738
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	631	739
AmadiniGM16 AmadiniGM16	R. Amadini, M. Gabbrielli, J. Mauro	Parallelizing Constraint Solvers for Hard RCPSP Instances	Yes	[17]	2016	LION 2016	7	2	16	330	740
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[113]	2016	CP 2016	17	0	11	380	741
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	381	742
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	383	743
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	390	744
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	391	745
FontaineMH16 FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[216]	2016	CPAIOR 2016	11	3	0	420	746
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	438	747
GingrasQ16 GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[244]	2016	IJCAI 2016	7	0	0	439	748
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	457	749
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	473	750
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	507	751
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	521	752
Madi-WambaB16 Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[417]	2016	CPAIOR 2016	16	0	0	522	753
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[543]	2016	CP 2016	17	3	23	572	754
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[570]	2016	CP 2016	10	9	14	586	755
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	592	756
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	601	757

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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	604	758
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[59]	2015	ICAART 2015	12	0	0	351	759
BofillGSV15 BofillGSV15	M. Bofill, M. Garcia, J. Suy, M. Villaret	MaxSAT-Based Scheduling of B2B Meetings	Yes	[105]	2015	CPAIOR 2015	9	7	8	373	760
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	385	761
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[173]	2015	CP 2015	16	5	11	405	762
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	418	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	428	764
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	429	765
GayHS15a GayHS15a	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[231]	2015	CPAIOR 2015	16	5	12	430	766
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[362]	2015	CP 2015	17	7	16	494	767
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	506	768
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	514	769
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	529	770
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	538	771
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	553	772
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	558	773
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[553]	2015	CP 2015	10	4	17	576	774
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[621]	2015	CPAIOR 2015	17	31	19	616	775
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	637	776
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	777
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	352	778
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	368	779
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	372	780
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	378	781
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	406	782

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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	408	783
DerrienPZ14 DerrienPZ14	A. Derrien, T. Petit, S. Zampelli	A Declarative Paradigm for Robust Cumulative Scheduling	Yes	[180]	2014	CP 2014	9	3	10	409	784
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	412	785
FriedrichFMRSST14 FriedrichFMRSST14	G. Friedrich, M. Frühstück, 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	786
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[232]	2014	CP 2014	15	7	11	431	787
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[317]	2014	CP 2014	16	5	7	471	788
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	488	789
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	510	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	519	791
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	377	792
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	394	793
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	396	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	451	795
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	459	796
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	481	797
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the *k-dimensional cumulative* Constraint	Yes	[384]	2013	CPAIOR 2013	16	3	10	504	798
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	518	799
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	525	800
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[484]	2013	CP 2013	16	12	14	546	801
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[537]	2013	CP 2013	17	10	20	569	802
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	570	803
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	602	804
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	369	805
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	376	806
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	379	807

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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	452	808
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	458	809
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[320]	2012	CP 2012	16	6	20	472	810
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[383]	2012	CP 2012	16	18	12	503	811
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	562	812
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	568	813
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	575	814
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	577	815
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	600	816
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	635	817
BajestaniB11 BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[41]	2011	ICAPS 2011	8	0	0	344	818
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	375	819
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	393	820
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	397	821
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	413	822
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	446	823
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[293]	2011	SEA 2011	10	5	12	460	824
HermenierDL11 HermenierDL11	F. Hermenier, S. Demassey, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[300]	2011	CP 2011	15	28	5	463	825
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	480	826
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	501	827
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	515	828
SimonisH11 SimonisH11	H. Simonis, T. Hadzic	A Resource Cost Aware Cumulative	Yes	[562]	2011	CSCLP 2011	14	3	9	582	829
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[618]	2011	CPAIOR 2011	16	28	6	614	830
Wolf11 Wolf11	A. Wolf	Constraint-Based Modeling and Scheduling of Clinical Pathways	Yes	[638]	2011	CSCLP 2011	17	5	19	626	831
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	639	832
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	640	833

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BertholdHLMS10 BertholdHLMS10	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	367	834
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	398	835
Davenport10 Davenport10	Andrew J. Davenport	Integrated Maintenance Scheduling for Semiconductor Manufacturing	Yes	[164]	2010	CPAIOR 2010	5	9	2	403	836
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	445	837
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	517	838
MakMS10 MakMS10	K. Mak, J. Ma, W. Su	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems	Yes	[419]	2010	ICNC 2010	5	1	3	524	839
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	573	840
SunLYL10 SunLYL10	Z. Sun, H. Li, M. Yao, N. Li	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming	Yes	[567]	2010	GreenCom 2010	6	4	8	584	841
Acuna-AgostMFG09 Acuna-AgostMFG09	R. Acuna-Agost, P. Michelon, D. Feillet, S. Gueye	Constraint Programming and Mixed Integer Linear Programming for Rescheduling Trains under Disrupted Operations	Yes	[5]	2009	CPAIOR 2009	2	3	2	327	842
AronssonBK09 AronssonBK09	M. Aronsson, M. Bohlin, P. Kreuger	MILP formulations of cumulative constraints for railway scheduling - A comparative study	Yes	[29]	2009	ATMOS 2009	13	0	0	338	843
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[45]	2009	CP 2009	1	0	0	345	844
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[259]	2009	CP 2009	9	15	12	447	845
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[370]	2009	CPAIOR 2009	15	53	2	498	846
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	516	847
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[445]	2009	ICAPS 2009	8	0	0	533	848
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	571	849
ThiruvadyBME09 ThiruvadyBME09	Dhananjay R. Thiruvady, C. Blum, B. Meyer, Andreas T. Ernst	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling	Yes	[584]	2009	HM 2009	15	13	12	594	850
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)${\mathcal O}(kn {\rm log} n)	Yes	[616]	2009	CP 2009	15	25	4	612	851
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[617]	2009	CPAIOR 2009	15	13	4	613	852
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	625	853
BarlattCG08 BarlattCG08	A. Barlatt, Amy Mainville Cohn, Oleg Yu. Gusikhin	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems	Yes	[52]	2008	CPAIOR 2008	5	1	9	348	854
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	361	855
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	366	856
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[186]	2008	CPAIOR 2008	16	1	2	411	857
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[299]	2008	CPAIOR 2008	5	13	3	462	858

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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	502	859
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	535	860
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	536	861
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	554	862
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	567	863
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	620	864
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	865
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources *cumulative* Constraint with Positive-Negative Resource Consumption-Production	Yes	[82]	2007	CPAIOR 2007	15	4	7	362	866
DavenportKRSH07 DavenportKRSH07	Andrew J. Davenport, J. Kalagnanam, C. Reddy, S. Siegel, J. Hou	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing	Yes	[165]	2007	CP 2007	13	1	2	404	867
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	427	868
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	466	869
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	482	870
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[354]	2007	CPAIOR 2007	15	2	12	489	871
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	495	872
Limtanyakul07 Limtanyakul07	K. Limtanyakul	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming	Yes	[392]	2007	GOR 2007	6	2	3	509	873
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	532	874
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	565	875
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	354	876
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	365	877
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	444	878
KhemmoudjPB06 KhemmoudjPB06	Mohand Ou Idir Khemmoudj, M. Porcheron, H. Bennaceur	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages	Yes	[344]	2006	CP 2006	13	8	8	483	879
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	493	880
LiuJ06 LiuJ06	Y. Liu, Y. Jiang	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming	Yes	[397]	2006	PRICAI 2006	5	0	0	512	881

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	560	882
Wallace06 Wallace06	M. Wallace	Hybrid Algorithms in Constraint Programming	Yes	[626]	2006	CSCLP 2006	32	1	35	617	883
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	884
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	340	885
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[72]	2005	IJCAI 2005	6	0	0	358	886
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[132]	2005	CP 2005	1	0	0	388	887
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	395	888
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	410	889
FortinZDF05 FortinZDF05	J. Fortin, P. Zielinski, D. Dubois, H. Fargier	Interval Analysis in Scheduling	Yes	[218]	2005	CP 2005	15	13	11	421	890
FrankK05 FrankK05	J. Frank, E. Kürklü	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations	Yes	[219]	2005	CPAIOR 2005	18	4	4	422	891
Geske05 Geske05	U. Geske	Railway Scheduling with Declarative Constraint Programming	Yes	[241]	2005	INAP 2005	18	2	3	437	892
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[245]	2005	ICAPS 2005	9	0	0	440	893
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[287]	2005	CP 2005	1	0	3	456	894
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[307]	2005	CP 2005	14	30	10	468	895
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	490	896
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	531	897
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	561	898
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	574	899
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[615]	2005	CPAIOR 2005	14	5	8	611	900
Wolf05 Wolf05	A. Wolf	Better Propagation for Non-preemptive Single-Resource Constraint Problems	Yes	[637]	2005	CSCLP 2005	15	4	8	624	901
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	627	902
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[642]	2005	CP 2005	1	0	0	629	903
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	904
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[71]	2004	ECAI 2004	5	0	0	357	905
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[298]	2004	CPAIOR 2004	16	12	14	461	906
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[305]	2004	CP 2004	12	39	9	467	907
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[359]	2004	CP 2004	15	3	12	492	908
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	508	909

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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	527	910
Sadykov04 Sadykov04	R. Sadykov	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem	Yes	[527]	2004	CPAIOR 2004	7	11	7	566	911
Vilim04 Vilim04	P. Vilím	O(n log n) Filtering Algorithms for Unary Resource Constraint	Yes	[614]	2004	CPAIOR 2004	13	22	5	610	912
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[619]	2004	CP 2004	15	13	4	615	913
VillaverdeP04 VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	No	[622]	2004	ISCA 2004	6	0	0	No	914
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	628	915
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	356	916
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	402	917
Kumar03 Kumar03	T. K. Satish Kumar	Incremental Computation of Resource-Envelopes in Producer-Consumer Models	Yes	[367]	2003	CP 2003	15	4	2	497	918
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	545	919
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	605	920
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[613]	2003	CP 2003	1	1	1	609	921
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[636]	2003	CP 2003	15	11	7	623	922
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[54]	2002	CP 2002	16	6	4	349	923
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[53]	2002	ERCIM/CologNet 2002	15	1	9	350	924
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[79]	2002	CP 2002	17	33	9	360	925
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	415	926
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	416	927
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[315]	2002	CP 2002	5	8	7	470	928
KamarainenS02 KamarainenS02	O. Kamarainen, Hani El Sakkout	Local Probing Applied to Scheduling	Yes	[332]	2002	CP 2002	17	9	13	477	929
Muscettola02 Muscettola02	N. Muscettola	Computing the Envelope for Stepwise-Constant Resource Allocations	Yes	[454]	2002	CP 2002	16	14	4	539	930
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[612]	2002	CP 2002	1	6	1	608	931
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	638	932
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	596	933
VanczaM01 VanczaM01	J. Váncza, A. Márkus	A Constraint Engine for Manufacturing Process Planning	Yes	[610]	2001	CP 2001	15	2	19	606	934
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	607	935
AngelsmarkJ00 AngelsmarkJ00	O. Angelsmark, P. Jonsson	Some Observations on Durations, Scheduling and Allen's Algebra	Yes	[18]	2000	CP 2000	5	1	9	331	936

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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	419	937
DorndorfPH99 DorndorfPH99	U. Dorndorf, E. Pesch, Toàn Phan Huy	Recent Developments in Scheduling	No	[188]	1999	Operations Research Proceedings 1999	null	0	34	No	938
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	487	939
Simonis99 Simonis99	H. Simonis	Building Industrial Applications with Constraint Programming	Yes	[558]	1999	CCL'99 1999	39	5	18	580	940
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	392	941
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	425	942
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	450	943
PembertonG98 PembertonG98	Joseph C. Pemberton, Flavius Galiber III	A constraint-based approach to satellite scheduling	Yes	[494]	1998	DIMACS 1998	14	26	0	551	944
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[518]	1998	CP 1998	15	19	10	564	945
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	347	946
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	355	947
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 Schedulingt Problem	No	[116]	1997	PACT 1997	18	0	0	No	948
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	389	949
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	950
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	384	951
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	401	952
Zhou96 Zhou96	J. Zhou	A Constraint Program for Solving the Job-Shop Problem	Yes	[662]	1996	CP 1996	15	10	7	636	953
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	443	954
Puget95 Puget95	J. Puget	Applications of Constraint Programming	Yes	[510]	1995	CP 1995	4	6	2	559	955
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[557]	1995	CP 1995	4	7	3	578	956
Simonis95a Simonis95a	H. Simonis	Application Development with the CHIP System	Yes	[556]	1995	CONTESSA 1995	21	1	12	579	957
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[561]	1995	CP 1995	14	17	8	581	958
Touraivane95 Touraivane95	Touraïvane	Constraint Programming and Industrial Applications	Yes	[593]	1995	CP 1995	3	2	1	599	959
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	960
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	544	961
Wallace94 Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[624]	1994	Constraint Programming 1994	19	0	0	No	962

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BaptisteLV92 BaptisteLV92	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming	Yes	[51]	1992	ICRA 1992	6	13	6	346	963
ErtlK91 ErtlK91	M. Anton Ertl, A. Krall	Optimal Instruction Scheduling using Constraint Logic Programming	Yes	[200]	1991	PLILP 1991	12	14	14	417	964

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	641
AbrilSB05 [4]	1	distributed, scheduling, multi-agent, order					railway				244	884
Acuna-AgostMFG09 [5]	2	re-scheduling, order, scheduling, transportation					railway		Roadef		202	842
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	865
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	777
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	740
AngelsmarkJ00 [18]	5	resource, job, order, scheduling, task, job-shop									296	936
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	710
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	684
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	672
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	711

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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	673
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	656
AronssonBK09 [29]	13	job-shop, transportation, order, job, task		cumulative	Prolog	Cplex, CHIP	railway		real-world, real-life	sweep	203	843
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	904
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	885
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	675
AstrandJZ18 [37]	9	resource, task, machine, make-span, order, activity, scheduling	single machine	disjunctive, cumulative, cycle		Gecode	hoist, robot	potash industry		time-tabling	72	712
BadicaBIL19 [40]	11	completion-time, resource, order, activity, machine, multi-agent, distributed, make-span, scheduling		cycle		ECLiPSe, Gecode			github		55	695
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	818
Baptiste09 [45]	1	scheduling									204	844
BaptisteLV92 [51]	6										323	963
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	946
BarlattCG08 [52]	5	scheduling, resource, setup-time, job, task, machine, flow-shop, job-shop, transportation					automotive, pipeline		real-world		214	854

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	923
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	924
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	759
BartoliniBBLM14 [60]	16	resource, tardiness, task, job, activity, make-span, machine, scheduling		alternative constraint, cumulative			supercomputer				138	778
BarzegaranZP20 [61]	9	re-scheduling, resource, distributed, machine, task, scheduling, order			Java	OR-Tools	automotive, robot				45	685
Beck06 [63]	10	due-date, flow-shop, order, scheduling, make-span, machine, resource, job, job-shop, tardiness				Ilog Scheduler			benchmark		236	876
BeckDF97 [65]	15	precedence, release-date, due-date, re-scheduling, make-span, order, scheduling, resource, inventory, machine, job, job-shop, task, activity	single machine	cycle, cumulative			robot		benchmark, real-world	edge-finding	307	947
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	916
BeckW04 [71]	5	job-shop, machine, job, activity, order, distributed, make-span, scheduling, flow-shop, resource	single machine			Ilog Scheduler				edge-finding, time-tabling	265	905
BeckW05 [72]	6	job-shop, job, activity, order, make-span, scheduling, flow-shop, resource				Ilog Scheduler				edge-finder	246	886
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	696
BeldiceanuC02 [79]	17	order, producer/consumer, scheduling, machine, task, resource, activity	single machine	cumulative	Prolog	SICStus, CHIP, OZ	crew-scheduling		real-life, random instance, benchmark	sweep	285	925
BeldiceanuCP08 [81]	15	resource, task, scheduling, order		geost, cumulative, disjunctive	Prolog	SICStus, CHIP, OPL	rectangle-packing, perfect-square		benchmark	edge-finding, sweep	215	855

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BeldiceanuP07 [82]	15	preempt, scheduling, release-date, task, resource, order, due-date		cumulative, disjunctive						sweep	226	866
BenderWS21 [84]	16	preempt, activity, task, order, machine, make-span, job, distributed, resource, setup-time, scheduling	RCPSP	noOverlap	Python		agriculture				36	676
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	713
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	877
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	856
BertholdHLMS10 [92]	5	precedence, scheduling, order, completion-time, job, resource, preempt	psplib, RCPSP	disjunctive, cumulative		Cplex, SCIP, Z3					194	834
BessiereHMQW14 [93]	16	scheduling, order, job, resource, setup-time, task, machine		alldifferent, cycle		Choco Solver	satellite	textile industry	benchmark, real-life		139	779
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	805
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	642
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	727
BofillEGPSV14 [104]	16	order, scheduling, lazy clause generation, machine, task				Cplex, Gecode, MiniZinc, SCIP			industrial instance	time-tabling	140	780
BofillGSV15 [105]	9	machine, scheduling, order				Cplex			industrial instance	time-tabling	120	760
BogaerdtW19 [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	697
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	819

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	806
BonfiettiLM13 [110]	5	make-span, job-shop, precedence, resource, activity, job, order, scheduling	RCPSP	cumulative, cycle		Cplex					152	792
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	781
BonfiettiM12 [112]	3	job, task, precedence, job-shop, resource, activity, scheduling, machine	RCPSP	cumulative			hoist		industrial instance		167	807
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	741
BoothNB16 [114]	17	distributed, resource, scheduling, task, machine, precedence, order, activity, re-scheduling		disjunctive, cumulative, noOverlap	C++	Cplex	robot, medical		real-world		102	742
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, gitlab, real-life, industrial partner, github, real-world	not-last, energetic reasoning, edge-finding, not-first	17	657
BridiLBBM16 [121]	2	resource, task, machine, distributed, make-span, order, job, activity, scheduling									103	743
BrusoniCLMMT96 [123]	10	resource, activity, precedence, task, distributed, due-date, job-shop, scheduling, order, job		disjunctive	Prolog		railway				311	951
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	761
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	728
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	714
CarchraeBF05 [132]	1	scheduling, order, task, make-span									247	887

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Caseau97 [137]	4	preempt, make-span, order, scheduling, job, resource, job-shop, task		cumulative			robot		benchmark	edge-finding	309	949
CatusseCBL16 [139]	7	release-date, resource, due-date, scheduling, order, machine, job, task	parallel machine, single machine	disjunctive	Julia	OPL					104	744
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, bitbucket, benchmark	not-last, edge-finding, not-first	105	745
CestaOS98 [144]	1	resource, scheduling, job					robot				301	941
ChapadosJR11 [145]	6	activity, scheduling, order, task		cycle, cumulative		OPL		retail industry		time-tabling	180	820
ChuGNSW13 [147]	7	distributed, resource, scheduling, precedence, order, task, machine, job		disjunctive, cumulative, alldifferent		CHIP				not-first, not-last, edge-finding	153	793
ChuX05 [148]	15	scheduling, machine, resource, job, release-date, order, due-date, completion-time	single machine	disjunctive, cumulative		ECLiPSe					248	888
CireCH13 [149]	7	make-span, tardiness, scheduling, machine, job, resource, precedence, task, order		circuit, cumulative		OPL, SCIP, Cplex, OZ					154	794
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	821
CobanH10 [152]	5	distributed, tardiness, job, preempt, re-scheduling, make-span, order, scheduling		circuit, disjunctive		OPL, Cplex					195	835
CohenHB17 [154]	17	scheduling, task, machine, order, activity		alternative constraint, noOverlap		OZ, OPL, Cplex				time-tabling	89	729
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	698
Colombani96 [157]	15	job, scheduling, resource, order, task, preempt, activity, due-date, machine, precedence, release-date, job-shop		disjunctive		CHIP					312	952
DannaP03 [162]	5	machine, job, job-shop, activity, earliness, order, tardiness, scheduling, resource		disjunctive		Cplex, Ilog Solver, Ilog Scheduler			benchmark		277	917
Davenport10 [164]	5	resource, release-date, tardiness, scheduling, completion-time, order, earliness, due-date				Cplex	semiconductor				196	836
DavenportKRSH07 [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	867

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	762
DejemeppeD14 [174]	9	make-span, precedence, job-shop, resource, activity, setup-time, scheduling, order, job		cumulative			medical, patient		bitbucket		142	782
DemirovicS18 [177]	18	scheduling, order, task, resource, activity, precedence		cumulative, disjunctive		MiniZinc, Gurobi, OZ			real-world, benchmark	time-tabling	75	715
DerrienP14 [179]	9	resource, scheduling, activity, order, make-span	psplib, CuSP	cumulative	Java	Choco Solver			random instance	sweep, edge-finding, energetic reasoning	143	783
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	sweep	144	784
DilkinaDH05 [182]	5	machine, precedence, job-shop, make-span, job, scheduling, order				OPL					249	889
DoomsH08 [186]	16	scheduling, resource, completion-time, machine, job, job-shop, activity, task, order	RCPSP					services industry			217	857
DoulabiRP14 [189]	9	activity, scheduling, due-date, resource, task, order		bin-packing		Cplex	surgery, nurse, operating room, medical, patient				145	785
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, OZ, Cplex					182	822
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	643
ElkhyariGJ02 [197]	6	resource, activity, precedence, scheduling, machine, due-date, preempt, make-span, re-scheduling, task	RCPSP	cumulative, disjunctive, table constraint							286	926
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	927
ErtlK91 [200]	12	setup-time, resource, scheduling, order, machine, task		cycle	Prolog		pipeline		real-world, benchmark		324	964
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	763

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	937
FontaineMH16 [216]	11	order, machine, job, task, completion-time, make-span, job-shop, resource, precedence, scheduling	parallel machine	disjunctive		MiniZinc, Gurobi, CHIP			benchmark		106	746
FortinZDF05 [218]	15	resource, order, task, activity, temporal constraint reasoning, precedence, make-span, scheduling	psplib								250	890
FrankK05 [219]	18	order, scheduling, job, resource, due-date, task, precedence		cycle			satellite, aircraft		benchmark		251	891
FrimodigS19 [221]	17	resource, order, task, machine, job-shop, job, scheduling		regular expression, cumulative, bin-packing	Python	Gecode, Cplex, MiniZinc, OZ	radiation therapy, surgery, medical, patient, nurse, physician		benchmark, real-world		59	699
FrohnerTR19 [223]	9	scheduling, order, distributed			Java, Python	MiniZinc, Gecode, Gurobi	nurse		benchmark, real-world		60	700
FrostD98 [224]	1	order, scheduling						power industry			302	942
GalleguillosKSB19 [225]	18	re-scheduling, machine, distributed, resource, order, activity, job, scheduling, make-span	JSSP	cumulative, alternative constraint	Python	OR-Tools, OZ	supercomputer, datacenter				61	701
GarganiR07 [226]	13	order, machine, resource, inventory		bin-packing	C++	OPL	steel mill	steel industry	real-life, CSPlib		228	868
GayHLS15 [229]	9	precedence, task, order, make-span, resource, scheduling, activity	OSP, psplib, RCPSP	cumulative, disjunctive					benchmark, bitbucket	edge-finding, time-tabling	124	764
GayHS15 [230]	9	scheduling, precedence, resource, preempt, task, order		cumulative, table constraint, disjunctive		Choco Solver, OR-Tools, Gecode			bitbucket	time-tabling, sweep	125	765
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	766
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	787

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GeibingerKKMMW21 [234	10	distributed, scheduling				MiniZinc, OR-Tools, Gurobi, Cplex, Gecode	nurse, physician, COVID, medical, patient	pharmaceutica industry	real-world		37	677
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	CPO, Cplex, Gecode, MiniZinc	automotive		real-life, generated instance, industrial partner, real-world, benchmark	time-tabling	62	702
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	678
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	658
GelainPRVW17 [239]	16	resource, scheduling, order							CSPlib, real-life, benchmark		90	730
Geske05 [241]	18	machine, task, re-scheduling, job, activity, order, distributed, resource, scheduling, lateness, job-shop		cumulative	Prolog	CHIP, SICStus	railway		real-life		252	892
GilesH16 [243]	16	inventory, setup-time, activity, task, transportation, order, scheduling, resource		cumulative, disjunctive		Cplex	pipeline	petrochemical industry, chemical processing industry, chemical industry			107	747
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	748
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	893
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	686

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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		91	731
Goltz95 [252]	14	due-date, machine, task, job, completion-time, order, resource, scheduling, precedence, job-shop		cumulative, disjunctive	Prolog	CHIP			benchmark	edge-finding	314	954
GomesHS06 [254]	2	scheduling, distributed, task, multi-agent, order				Ilog Solver			real-life		238	878
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	837
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	823
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	845
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	687
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	688
GruianK98 [264]	8	task, resource, scheduling, order, activity, re-scheduling		cumulative, cycle, diffn, circuit		OPL, CHIP	pipeline, aircraft		benchmark		303	943
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	795
GuSW12 [267]	15	lazy clause generation, activity, order, preempt, scheduling, precedence, make-span, cmax, resource, job		cumulative	C++				benchmark		168	808
HanenKP21 [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	679

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	716
HebrardALLCMR22 [285]	7	activity, order, scheduling		cumulative	Julia	OZ, Claire	deep space			sweep	19	659
HebrardTW05 [287]	1	order, job, machine, job-shop, scheduling									254	894
HechingH16 [288]	11	re-scheduling, job, task, order, scheduling, manpower		circuit, noOverlap		OPL, Cplex, OZ	patient, medical		real-world		109	749
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	809
HeinzKB13 [291]	16	release-date, job-shop, resource, scheduling, order, machine, tardiness, job	single machine	cumulative		SCIP, OPL, Cplex					156	796
HeinzS11 [293]	10	preempt, order, scheduling, resource, completion-time, machine, job	psplib, RCPSP	disjunctive, cumulative		SCIP, Cplex			benchmark	energetic reasoning, time-tabling	184	824
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	906
HentenryckM08 [299]	5	order		bin-packing			steel mill		CSPlib		218	858
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	825
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	680
HoYCLLCLC18 [303]	6	resource, task, machine, distributed, re-scheduling, order, job, scheduling			C		nurse, medical, patient		real-world		77	717
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	869
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	907
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	895
Hooker17 [311]	14	job, due-date, order, tardiness, scheduling, resource		circuit		OZ			benchmark, random instance		92	732

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HookerY02 [315]	5	resource, scheduling, order, machine, job	RCPSP	disjunctive, cumulative							288	928
HoundjiSWD14 [317]	16	precedence, resource, scheduling, machine, inventory, transportation, due-date, order	single machine	circuit					bitbucket, generated instance		148	788
IfrimOS12 [320]	16	task, order, machine, job, re-scheduling, distributed, due-date, resource, scheduling		disjunctive			datacenter, energy-price		real-life		170	810
JelinekB16 [325]	10	scheduling, task, order, completion-time		table constraint, cumulative	Prolog	OZ, SICStus, OPL			real-life		110	750
JungblutK22 [327]	4	distributed, machine, make-span, scheduling, resource, order, task, preempt		circuit		MiniZinc			benchmark, github, real-world		20	660
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	644
JuvinHL23 [330]	16	make-span, completion-time, task, precedence, order, cmax, machine, tardiness, job, setup-time, job-shop, flow-shop, scheduling		noOverlap, endBeforeStart		Cplex, CPO			real-world		5	645
KamarainenS02 [332]	17	machine, job-shop, resource, precedence, transportation, earliness, activity, job, order, preempt, scheduling	KRFP			ECLiPSe			real-world, benchmark		289	929
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	718
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	646
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	826

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	797
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	870
KhemmoudjPB06 [344]	13	resource, stock level, distributed, order, scheduling		cycle, cumulative	C++	CHIP			real-world		239	879
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	647
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	681
KletzanderM17 [347]	15	scheduling, machine, resource, transportation, order	parallel machine			OZ	torpedo	steel industry			93	733
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	939
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	789
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	871
KovacsEKV05 [357]	1	scheduling, resource, setup-time, job, job-shop, precedence							real-life		256	896

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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	682
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	908
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	880
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	767
KrogtLPHJ07 [608]	13	resource, order, job, inventory, activity, due-date, machine, job-shop, precedence, scheduling		circuit	Prolog	OPL	semiconductor aircraft		real-world		232	872
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	703
Kumar03 [367]	15	activity, order, scheduling, producer/consumer, resource		cycle						bi-partite matching, max-flow	278	918
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	846
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	719
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, endBeforeStart		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	683
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	827
LauLN08 [378]	5	order, distributed, inventory, resource, scheduling, flow-shop, transportation, job-shop, machine, job							benchmark, real-world		219	859

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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	811
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	798
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	661
LimBTBB15 [391]	15	job-shop, scheduling, multi-agent, order, machine, tardiness, job, re-scheduling, earliness				OPL	HVAC		benchmark	time-tabling	128	768
LimHTB16 [390]	18	machine, activity, re-scheduling, multi-agent, order, scheduling, distributed		cumulative		OPL	real-time pricing, HVAC, energy-price		real-world		111	751
LimRX04 [389]	5	scheduling, preempt, machine, job, completion-time, order, transportation				OZ	container terminal		generated instance		269	909
Limtanyakul07 [392]	6	make-span, task, machine, release-date, resource, precedence, job, order, scheduling, due-date		cumulative		OPL	robot		real-life	energetic reasoning	233	873
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	790
LiuCGM17 [396]	17	transportation, order, cmax, scheduling, machine, task, activity			Python	OR-Tools, OPL, MiniZinc		tourism industry	github		94	734
LiuJ06 [397]	5	make-span, task, order, scheduling, resource		cycle, disjunctive							241	881
LiuLH19 [395]	9	order, resource, scheduling				Choco Solver, OZ			CSPlib, benchmark	time-tabling	64	704
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	769
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	828

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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	847
LombardiM10 [403]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task	RCPSP	disjunctive, cumulative		Ilog Solver			real-world, benchmark		198	838
LombardiM13 [406]	2	precedence, make-span, order, activity, scheduling, resource, task	RCPSP, psplib								159	799
LouieVNB14 [412]	7	resource, job, scheduling, task, order, machine, activity		cycle		OPL	patient, robot				151	791
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	662
LuoVLBM16 [415]	4	task, machine, precedence, order, job, activity, job-shop, resource, scheduling					nurse			time-tabling	112	752
Madi-WambaB16 [417]	16	precedence, job, order, scheduling, task, resource		cumulative	Java	Choco Solver, CHIP			real-world, benchmark, random instance, generated instance		113	753
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	735
MakMS10 [419]	5	scheduling, due-date, order, machine, inventory, task, job, activity, transportation, precedence, resource		cycle							199	839
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	800
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, Roadef		65	705
MaraveliasG04 [426]	20					OZ					270	910
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	648
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	770

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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	RCPSP	cycle, circuit, cumulative, disjunctive	C++, Python	OPL, MiniZinc		textile industry, manufacturing industry	industrial instance, industrial partner		49	689
MoffittPP05 [442]	6	scheduling, resource, order, activity, machine, cmax, make-span	Temporal Constraint Satisfaction Problem	cycle, disjunctive							257	897
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	874
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	848
MossigeGSMC17 [448]	18	activity, job, distributed, order, completion-time, preempt, scheduling, make-span, machine, task, job-shop, resource, precedence	FJS, single machine, RCPSP	cumulative, cycle, disjunctive	Prolog	SICStus, CHIP	rectangle-packing, robot		industrial partner, real-world, benchmark, random instance, CSPlib, generated instance		96	736
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	860
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	861
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	706
MurphyMB15 [453]	17	scheduling, task, order, machine, activity, re-scheduling, resource		cycle, circuit, cumulative, disjunctive	Java	Choco Solver			real-world		131	771
Muscettola02 [454]	16	job-shop, resource, activity, precedence, scheduling, order, job, cmax		cycle						edge-finding, max-flow	290	930
MusliuSS18 [455]	17	distributed, scheduling, activity, manpower, task, order, machine		cycle		Gecode, Gurobi, MiniZinc	operating room, nurse		generated instance, benchmark, real-life		80	720

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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	690
NishikawaSTT18 [470]	6	make-span, order, resource, activity, task, distributed, precedence, scheduling		alternative constraint, endBeforeStart		Cplex, OZ	pipeline, robot		real-world, benchmark		81	721
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	722
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	961
OddiPCC03 [482]	15	preempt, distributed, resource, scheduling, precedence, order, completion-time, task, machine, activity	single machine	cycle	Java		satellite, earth observation		benchmark		279	919
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	801
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	723
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	663

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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	664
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	707
PembertonG98 [494]	14	job-shop, resource, activity, preempt, scheduling, machine, order, job, task		geost, cycle		Ilog Solver, OPL	satellite, robot				304	944
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	649
PesantRR15 [498]	16	activity, transportation, lazy clause generation, scheduling, order		cumulative, table constraint		Gurobi, Gecode, Ilog Solver					132	772
PoderB08 [500]	8	resource, producer/consumer, release-date, task, activity, preempt, due-date, order, scheduling		cumulative		CHIP				sweep	222	862
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	665
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	650
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	737
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	773
Puget95 [510]	4	resource, job-shop, task, job, activity, order, scheduling, transportation, manpower		disjunctive		OPL			benchmark		315	955
QuSN06 [513]	4	task, scheduling, distributed, resource, precedence		circuit	Prolog	SICStus					242	882

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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	898
RendlPHPR12 [516]	17	re-scheduling, job, scheduling, order, machine, transportation			Java	OZ	medical, patient, nurse		real-world, CSPlib, benchmark		172	812
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	724
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	945
RossiTHP07 [524]	15	resource, inventory, scheduling, distributed, stock level, order		cumulative, cycle		OPL, Choco Solver					235	875
Sadykov04 [527]	7	release-date, due-date, preempt, scheduling, completion-time, task, precedence, machine, job, lateness	parallel machine, single machine	disjunctive						edge-finding	271	911
SchausD08 [530]	6	precedence, order, preempt, task		cycle, bin-packing		Ilog Solver, OPL			real-life, benchmark		223	863
SchuttCSW12 [535]	17	scheduling, resource, order, preempt, activity, lazy clause generation, precedence, make-span		cumulative		CHIP			benchmark		173	813
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	802
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	803
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	849
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	754
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	840

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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	899
SerraNM12 [546]	17	preempt, resource, scheduling, precedence, order, machine, activity, release-date, inventory		alwaysIn, cumulative, cycle		OPL, Cplex			benchmark, real-world		174	814
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	774
SimoninAHL12 [554]	15	resource, activity, precedence, preempt, scheduling, order, task		disjunctive, span constraint, cumulative, cycle		CHIP	satellite			sweep	175	815
Simonis95 [557]	4	transportation, resource, scheduling, task, machine, producer/consumer, precedence, order		cumulative, cycle, diffn, circuit	Prolog	CHIP	aircraft	food industry			316	956
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	957
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	940
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	958
SimonisH11 [562]	14	preempt, manpower, task, order, producer/consumer, resource, scheduling		cumulative		Choco Solver, CHIP, Cplex			real-life, real-world	edge-finding, sweep	189	829
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	651
SunLYL10 [567]	6	task, order, scheduling, distributed		cycle		Cplex, OPL	automotive				201	841
SvancaraB22 [569]	8	multi-agent, batch process, make-span, order, activity, scheduling, resource, task		alternative constraint, noOverlap			railway		benchmark, real-world	time-tabling	26	666
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	755

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	725
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	691
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, github, benchmark, real-world	energetic reasoning, not-last, not-first, edge-finding, time-tabling, sweep	12	652
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	653
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	667
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	756
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	726
ThiruvadyBME09 [584]	15	tardiness, open-shop, machine, due-date, job, make-span, scheduling, order, resource, setup-time	single machine	cumulative	C++	Gecode					210	850
ThomasKS20 [586]	18	scheduling, order, activity, transportation, resource		cumulative	C , Java	Cplex, CPO, OR-Tools, OPL	medical, patient		benchmark, CSPlib, generated instance, bitbucket		52	692

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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	933
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	708
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	RCPSP, single machine	noOverlap		OZ, OPL, Cplex	robot, container terminal, satellite		benchmark, generated instance	time-tabling	28	668
Touraivane95 [593]	3	scheduling, order, task			Prolog		crew-scheduling		real-life		319	959
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	816
TranDRFWOVB16 [596]	9	resource, activity, re-scheduling, job, order, scheduling, machine, task, job-shop, precedence		cycle	Python	OPL	aircraft				117	757
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	804
TranVNB17a [600]	5	scheduling, task, order, transportation, machine, activity, resource, setup-time		alternative constraint, cumulative		Cplex	medical, robot		real-world		98	738
TranWDRFOVB16 [601]	9	precedence, job, order, activity, scheduling, job-shop, machine, task	single machine	cumulative, cycle	Python	OPL, Ilog Scheduler	robot, satellite		benchmark		118	758
ValleMGT03 [605]	8	machine, order, transportation, make-span, resource, job, precedence, task, job-shop, scheduling				Ilog Solver	robot		real-life	edge-finder	280	920
VanczaM01 [610]	15	resource, scheduling, precedence, task, machine, order		disjunctive, cycle		OZ	robot		real-life, real-world		294	934
VerfaillieL01 [611]	15	job, open-shop, order, scheduling, task, job-shop	Open Shop Scheduling Problem	cycle		Cplex, OPL	earth observation, satellite				295	935
Vilim02 [612]	1	scheduling, precedence, sequence dependent setup, batch process, activity, setup-time, resource		cumulative, disjunctive						edge-finding	291	931
Vilim03 [613]	1	scheduling, job, open-shop, order, job-shop		cumulative, disjunctive						not-last, edge-finding	281	921
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	912

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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	900
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	851
Vilim09a [617]	15	order, scheduling, resource, completion-time, task, activity, preempt		cycle, cumulative		Ilog Scheduler				edge-finding, not-last, energetic reasoning	212	852
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	830
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	913
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	775
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	883
WangB20 [628]	8	job, order, machine, task, distributed, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		OZ, Gurobi	aircraft		github		53	693
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	654
WatsonB08 [632]	15	job-shop, resource, scheduling, make-span, completion-time, machine, order, cmax, job		disjunctive	C++	Ilog Scheduler			benchmark, real-world		224	864
WessenCS20 [633]	10	make-span, completion-time, precedence, job, scheduling, task, order, job-shop, multi-agent		circuit		Gecode, OZ	robot		real-world		54	694

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	669
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	922
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	901
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	853
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	831
WolfS05 [639]	14	preempt, activity, order, task, completion-time, scheduling, distributed, resource		cumulative		CHIP			real-world	energetic reasoning, not-last, sweep	262	902
WolinskiKG04 [641]	8	resource, precedence, scheduling, machine, order, distributed	SCC	cycle	Java		pipeline				275	915
WuBB05 [642]	1	scheduling, resource, job, make-span, release-date				Ilog Scheduler			benchmark		263	903
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	709
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	739
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	655

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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	670
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	671
ZhangLS12 [661]	4	scheduling, order, cmax								time-tabling	177	817
Zhou96 [662]	15	release-date, job-shop, due-date, task, order, scheduling, precedence, completion-time, job, machine		disjunctive	Prolog	Z3				edge-finding	313	953
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	776
ZhuS02 [665]	5	activity, scheduling, distributed, resource									292	932
ZibranR11 [667]	4	scheduling, order, activity			Java	OPL, Cplex					192	832
ZibranR11a [668]	10	scheduling, distributed, order, activity, resource				Cplex, OPL				time-tabling	193	833

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	real-world, github, benchmark	1	y		y	-	JSSP OSSP	-	2	370
EfthymiouY23 EfthymiouY23 [194]	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	OR-Tools	benchmark, random instance, generated instance, real-life, industrial instance	3	n		n	-	CHSP	-	3	414
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	475
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	5	476
KameugneFND23 KameugneFND23 [336]	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	?	benchmark	5	BL PSPlib		n	-	RCPSPs	cumulative	6	479
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	484
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	528
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	552
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	556
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	583
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	589
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	590
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	619
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	632

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	382
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	435
HebrardALLCMR22 HebrardALL-CMR22 [285]	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration			0							19	455
JungblutK22 JungblutK22 [327]	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	MiniZinc	benchmark, github, real-world	0	y		y	-			20	474
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	505
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, industry partner, industrial instance	2	n		n	-	2SCSP-FF	pulse alwaysIn forbidExtent stateFunction	22	520
OuelletQ22 OuelletQ22 [486]	A MinCumulative Resource Constraint	Choco	github, benchmark, random instance	1	y		y	-		cumulative minCumulative	23	548
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	-	HFFS	alternative span noOverlap endBeforeStart	24	549
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	555
SvancaraB22 SvancaraB22 [569]	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling		benchmark, real-world	0							26	585
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	591
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	598
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, industry partner, zenodo, industrial partner, benchmark	0	y		y	-	PMSP	alternative noOverlap	29	622

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
ZhangBB22 ZhangBB22 [658]	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware		benchmark, generated instance	0							30	633
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	634
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			0							34	No
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	341
BenderWS21 BenderWS21 [84]	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	CP Opt		9	y		n	-	MRCPSP	noOverlap alternative	36	363
GeibingerKKMMW21 GeibingerKKMMW21 [234	Physician Scheduling During a Pandemic	MiniZinc	real-world	3	y		n	-		nvalue	37	432
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	434
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	453
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	464
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	485
KovacsTKSG21 KovacsTKSG21 [361]	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Gurobi OR-Tools Cplex CP Opt	github, supplementary material, real-world, benchmark	2	y		y	-	extended RCPSP	cumulative	42	491
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	500

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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	353
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	-	PMSPAUR	disjunctive cumulative alldifferent enqueueCstr approxCstr	46	441
GroleazNS20 GroleazNS20 [263]	Solving the Group Cumulative Scheduling Problem with CPO and ACO	CP Opt ACO	benchmark, industrial instance	0	-		-	[263]	GCSP	groupCumulative	47	448
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	449
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	530
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	541
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	588
ThomasKS20 ThomasKS20 [586]	Insertion Sequence Variables for Hybrid Routing and Scheduling Problems		benchmark, CSPlib, generated instance, bitbucket	3							52	595
WangB20 WangB20 [628]	Global Propagation of Transition Cost for Fixed Job Scheduling	FaCiLe	github	0	y		n	-	FJS	-	53	618
WessenCS20 WessenCS20 [633]	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Gecode	real-world	10	n		n	-		circuit alldifferent	54	621
BadicaBIL19 BadicaBIL19 [40]	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	ECLiPSe	github	0	dead		dead	-			55	343
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	359
BogaerdtW19 BogaerdtW19 [607]	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	custom Cplex CPO	benchmark	4	n		n	-	Multi Machine Scheduling	noOverlap	57	374
ColT19 ColT19 [156]	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	CP Opt OR-Tools	github, benchmark, real-world	2	y		y	-	JSSP	noOverlap	58	400
FrimodigS19 FrimodigS19 [221]	Models for Radiation Therapy Patient Scheduling	Mini-Zinc Gecode Cplex	benchmark, real-world	1	n		n	-		cumulative regular bin-packing	59	423
FrohnerTR19 FrohnerTR19 [223]	Casual Employee Scheduling with Constraint Programming and Metaheuristics		benchmark, real-world	0							60	424

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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	426
GeibingerMM19 GeibingerMM19 [236]	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling		real-life, generated instance, industrial partner, real-world, benchmark	3							62	433
KucukY19 KucukY19 [368]	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem		benchmark, generated instance	0							63	496
LiuLH19 LiuLH19 [395]	Solving the Talent Scheduling Problem by Parallel Constraint Programming		CSPlib, benchmark	0							64	513
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	526
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	537
ParkUJR19 ParkUJR19 [493]	Developing a Production Scheduling System for Modular Factory Using Constraint Programming		real-world	0							67	550
Tom19 Tom19 [589]	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling		real-world	0							68	597
YangSS19 YangSS19 [644]	Time Table Edge Finding with Energy Variables		generated instance	1							69	630
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	342
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	364
CappartTSR18 CappartTSR18 [130]	A Constraint Programming Approach for Solving Patient Transportation Problems		bitbucket, CSPlib, real-life	1							74	387
DemirovicS18 DemirovicS18 [177]	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts		real-world, benchmark	5							75	407
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	454
HoYCLLCLC18 HoYCLLCLC18 [303]	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints		real-world	0							77	465
KameugneFGOQ18 KameugneF-GOQ18 [335]	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint		benchmark, real-world	0							78	478

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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, benchmark, real-world	0							79	499
MusliuSS18 MusliuSS18 [455]	Solver Independent Rotating Workforce Scheduling		generated instance, benchmark, real-life	2							80	540
NishikawaSTT18 NishikawaSTT18 [470]	Scheduling of Malleable Fork-Join Tasks with Constraint Programming		real-world, benchmark	0							81	542
NishikawaSTT18a NishikawaSTT18a [471]	Scheduling of Malleable Tasks Based on Constraint Programming		real-world, benchmark, real-life	0							82	543
OuelletQ18 OuelletQ18 [485]	A O(n \log ˆ2 n) Checker and O(nˆ2 \log n) Filtering Algorithm for the Energetic Reasoning		benchmark, Roadef	0							83	547
RiahiNS018 RiahiNS018 [517]	Local Search for Flowshops with Setup Times and Blocking Constraints		real-world, real-life, benchmark	0							84	563
TanT18 TanT18 [572]	Logic-Based Benders Decomposition for Two-Stage Flexible Flow Shop Scheduling with Unrelated Parallel Machines		benchmark	0							85	587
Tesch18 Tesch18 [583]	Improving Energetic Propagations for Cumulative Scheduling		Roadef	0							86	593
BofillCSV17 BofillCSV17 [103]	An Efficient SMT Approach to Solve MRCPSP/max Instances with Tight Constraints on Resources		benchmark	2							87	371
CappartS17 CappartS17 [129]	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	CPO	bitbucket, random instance, real-life	1	y		n	-	Rescheduling Railway Traffic		88	386
CohenHB17 CohenHB17 [154]	(I Can Get) Satisfaction: Preference-Based Scheduling for Concert-Goers at Multi-venue Music Festivals			12							89	399
GelainPRVW17 GelainPRVW17 [239]	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems		CSPlib, real-life, benchmark	2							90	436
GoldwaserS17 GoldwaserS17 [250]	Optimal Torpedo Scheduling	Chuffed Gurobi	instance generator, github, generated instance	4	y		n	-	Torpedo Scheduling		91	442
Hooker17 Hooker17 [311]	Job Sequencing Bounds from Decision Diagrams		benchmark, random instance	0							92	469
KletzanderM17 KletzanderM17 [347]	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem			2							93	486
LiuCGM17 LiuCGM17 [396]	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Chuffed OR-Tools HCSP SA	github	11	n			-	NightSplit		94	511
Madi-WambaLOBM17 Madi-WambaLOBM17 [418]	Green Energy Aware Scheduling Problem in Virtualized Datacenters		real-world	0							95	523
MossigeGSMC17 MossigeGSMC17 [448]	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems		industrial partner, real-world, benchmark, random instance, CSPlib, generated instance	4							96	534
Pralet17 Pralet17 [507]	An Incomplete Constraint-Based System for Scheduling with Renewable Resources		benchmark	1							97	557

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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	603
YoungFS17 YoungFS17 [646]	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem		benchmark, github, instance generator	6							99	631
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 instance, github, industrial instance, benchmark, real-world	1							101	380
BoothNB16 BoothNB16 [114]	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes		real-world	0							102	381
BridiLBBM16 BridiLBBM16 [121]	DARDIS: Distributed And Randomized DIspatching and Scheduling			0							103	383
CatusseCBL16 CatusseCBL16 [139]	A Branch-and-Price Algorithm for Scheduling Observations on a Telescope			0							104	390
CauwelaertDMS16 CauwelaertDMS16 [140]	Efficient Filtering for the Unary Resource with Family-Based Transition Times		real-life, bitbucket, benchmark	2							105	391
FontaineMH16 FontaineMH16 [216]	Parallel Composition of Scheduling Solvers		benchmark	2							106	420
GilesH16 GilesH16 [243]	Solving a Supply-Delivery Scheduling Problem with Constraint Programming			0							107	438
GingrasQ16 GingrasQ16 [244]	Generalizing the Edge-Finder Rule for the Cumulative Constraint		benchmark	0							108	439
HechingH16 HechingH16 [288]	Scheduling Home Hospice Care with Logic-Based Benders Decomposition		real-world	0							109	457
JelinekB16 JelinekB16 [325]	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station		real-life	2							110	473
LimHTB16 LimHTB16 [390]	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control		real-world	4							111	507
LuoVLBM16 LuoVLBM16 [415]	Using Metric Temporal Logic to Specify Scheduling Problems			0							112	521
Madi-WambaB16 Madi-WambaB16 [417]	The TaskIntersection Constraint		real-world, benchmark, random instance, generated instance	3							113	522
SchuttS16 SchuttS16 [543]	Explaining Producer/Consumer Constraints		benchmark	1							114	572
SzerediS16 SzerediS16 [570]	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling		benchmark	2							115	586
Tesch16 Tesch16 [582]	A Nearly Exact Propagation Algorithm for Energetic Reasoning in \mathcal O(n^2 \log n)		Roadef	1							116	592
TranDRFWOVB16 TranDRFWOVB16 [596]	A Hybrid Quantum-Classical Approach to Solving Scheduling Problems			0							117	601
TranWDRFOVB16 TranWDRFOVB16 [601]	Explorations of Quantum-Classical Approaches to Scheduling a Mars Lander Activity Problem		benchmark	0							118	604

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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	351
BofillGSV15 BofillGSV15 [105]	MaxSAT-Based Scheduling of B2B Meetings		industrial instance	3							120	373
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	385
DejemeppeCS15 DejemeppeCS15 [173]	The Unary Resource with Transition Times		real-world, bitbucket, generated instance, benchmark	4							122	405
EvenSH15 EvenSH15 [203]	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling		real-life, real-world	0							123	418
GayHLS15 GayHLS15 [229]	Conflict Ordering Search for Scheduling Problems		benchmark, bitbucket	0							124	428
GayHS15 GayHS15 [230]	Simple and Scalable Time-Table Filtering for the Cumulative Constraint		bitbucket	2							125	429
GayHS15a GayHS15a [231]	Time-Table Disjunctive Reasoning for the Cumulative Constraint		benchmark, bitbucket, real-world	0							126	430
KreterSS15 KreterSS15 [362]	Modeling and Solving Project Scheduling with Calendars		benchmark	3							127	494
LimBTBB15 LimBTBB15 [391]	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings		benchmark	3							128	506
LombardiBM15 LombardiBM15 [399]	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty		benchmark, real-world	0							129	514
MelgarejoLS15 MelgarejoLS15 [11]	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems		real-world, benchmark	1							130	529
MurphyMB15 MurphyMB15 [453]	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System		real-world	3							131	538
PesantRR15 PesantRR15 [498]	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem			1							132	553
PraletLJ15 PraletLJ15 [508]	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search			0							133	558
SialaAH15 SialaAH15 [553]	Two Clause Learning Approaches for Disjunctive Scheduling		github, benchmark	5							134	576
VilimLS15 VilimLS15 [621]	Failure-Directed Search for Constraint-Based Scheduling		benchmark	8							135	616
ZhouGL15 ZhouGL15 [664]	On complex hybrid flexible flowshop scheduling problems based on constraint programming		real-world	0							136	637
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	352
BessiereHMQW14 BessiereHMQW14 [93]	Buffered Resource Constraint: Algorithms and Complexity		benchmark, real-life	0							139	368
BofillEGPSV14 BofillEGPSV14 [104]	Scheduling B2B Meetings		industrial instance	6							140	372
BonfiettiLM14 BonfiettiLM14 [111]	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!		real-world, benchmark	2							141	378

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DejemeppeD14 DejemeppeD14 [174]	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling		bitbucket	0							142	406
DerrienP14 DerrienP14 [179]	A New Characterization of Relevant Intervals for Energetic Reasoning		random instance	0							143	408
DerrienPZ14 DerrienPZ14 [180]	A Declarative Paradigm for Robust Cumulative Scheduling		benchmark, random instance, real-world	0							144	409
DoulabiRP14 DoulabiRP14 [189]	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling			0							145	412
FriedrichFMRSST14 FriedrichFMRSST14 [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	431
HoundjiSWD14 HoundjiSWD14 [317]	The StockingCost Constraint		bitbucket, generated instance	0							148	471
KoschB14 KoschB14 [353]	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes		benchmark	0							149	488
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	510
LouieVNB14 LouieVNB14 [412]	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities			0							151	519
BonfiettiLM13 BonfiettiLM13 [110]	De-Cycling Cyclic Scheduling Problems			0							152	377
ChuGNSW13 ChuGNSW13 [147]	On the Complexity of Global Scheduling Constraints under Structural Restrictions			0							153	394
CireCH13 CireCH13 [149]	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	CP Opt Cplex		1	dead		n	-			154	396
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 maxNVPProp	155	451
HeinzKB13 HeinzKB13 [291]	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling			0							156	459
KelarevaTK13 KelarevaTK13 [340]	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	MiniZinc CPX G12FD	real-world	5	ref		-	-	LSFRP BPCTOP	alldifferent alldifferentExcept(	157	481
LetortCB13 LetortCB13 [384]	A Synchronized Sweep Algorithm for the *k-dimensional cumulative* Constraint	SICStus Choco	Roadef, benchmark, random instance	2	PSPlib		-	-	RCPSP	cumulative kDimensionalCum	158	504
LombardiM13 LombardiM13 [406]	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling			0							159	518
MalapertCGJLR13 MalapertCGJLR13 [422]	An Optimal Constraint Programming Approach to the Open-Shop Problem		real-life, benchmark	0							160	525
OuelletQ13 OuelletQ13 [484]	Time-Table Extended-Edge-Finding for the Cumulative Constraint		benchmark	1							161	546

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SchuttFS13 SchuttFS13 [537]	Scheduling Optional Tasks with Explanation		benchmark	1							162	569
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	570
TranTDB13 TranTDB13 [598]	Hybrid Queueing Theory and Scheduling Models for Dynamic Environments with Sequence-Dependent Setup Times		real-world	0							164	602
BillautHL12 BillautHL12 [95]	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem		random instance	0							165	369
BonfiettiLBM12 BonfiettiLBM12 [108]	Global Cyclic Cumulative Constraint		benchmark	3							166	376
BonfiettiM12 BonfiettiM12 [112]	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem		industrial instance	0							167	379
GuSW12 GuSW12 [267]	Maximising the Net Present Value of Large Resource-Constrained Projects		benchmark	2							168	452
HeinzB12 HeinzB12 [290]	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling			0							169	458
IfrimOS12 IfrimOS12 [320]	Properties of Energy-Price Forecasts for Scheduling		real-life	1							170	472
LetortBC12 LetortBC12 [383]	A Scalable Sweep Algorithm for the cumulative Constraint		Roadef, benchmark, random instance	2							171	503
RendlPHPR12 RendlPHPR12 [516]	Hybrid Heuristics for Multimodal Homecare Scheduling		real-world, CSPlib, benchmark	2							172	562
SchuttCSW12 SchuttCSW12 [535]	Maximising the Net Present Value for Resource-Constrained Project Scheduling		benchmark	1							173	568
SerraNM12 SerraNM12 [546]	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach		benchmark, real-world	4							174	575
SimoninAHL12 SimoninAHL12 [554]	Scheduling Scientific Experiments on the Rosetta/Philae Mission	MOST Ilog Scheduler		0	n		n	-		cumulative dataTransfer	175	577
TranB12 TranB12 [595]	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups		benchmark	0							176	600
ZhangLS12 ZhangLS12 [661]	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method			0							177	635
BajestaniB11 BajestaniB11 [41]	Scheduling an Aircraft Repair Shop			0							178	344
BonfiettiLBM11 BonfiettiLBM11 [107]	A Constraint Based Approach to Cyclic RCPSP		generated instance, industrial instance, benchmark	3							179	375
ChapadosJR11 ChapadosJR11 [145]	Retail Store Workforce Scheduling by Expected Operating Income Maximization			0							180	393
ClercqPBJ11 ClercqPBJ11 [151]	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource		benchmark	1							181	397
EdisO11 EdisO11 [191]	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach			0							182	413

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GrimesH11 GrimesH11 [257]	Models and Strategies for Variants of the Job Shop Scheduling Problem		benchmark	1							183	446
HeinzS11 HeinzS11 [293]	Explanations for the Cumulative Constraint: An Experimental Study		benchmark	1							184	460
HermenierDL11 HermenierDL11 [300]	Bin Repacking Scheduling in Virtualized Datacenters			1							185	463
KameugneFSN11 KameugneFSN11 [337]	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints		benchmark	1							186	480
LahimerLH11 LahimerLH11 [375]	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks		benchmark	2							187	501
LombardiBMB11 LombardiBMB11 [400]	Precedence Constraint Posting for Cyclic Scheduling Problems		benchmark, industrial instance, real-life	0							188	515
SimonisH11 SimonisH11 [562]	A Resource Cost Aware Cumulative		real-life, real-world	1							189	582
Vilim11 Vilim11 [618]	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources		benchmark	1							190	614
Wolf11 Wolf11 [638]	Constraint-Based Modeling and Scheduling of Clinical Pathways			4							191	626
ZibranR11 ZibranR11 [667]	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach			0							192	639
ZibranR11a ZibranR11a [668]	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring			0							193	640
BertholdHLMS10 BertholdHLMS10 [92]	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling			1							194	367
CobanH10 CobanH10 [152]	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition			0							195	398
Davenport10 Davenport10 [164]	Integrated Maintenance Scheduling for Semiconductor Manufacturing			0							196	403
GrimesH10 GrimesH10 [256]	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach		benchmark	1							197	445
LombardiM10 LombardiM10 [403]	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution		real-world, benchmark	1							198	517
MakMS10 MakMS10 [419]	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems			0							199	524
SchuttW10 SchuttW10 [544]	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints		benchmark	1							200	573
SunLYL10 SunLYL10 [567]	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming			0							201	584
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	345
GrimesHM09 GrimesHM09 [259]	Closing the Open Shop: Contradicting Conventional Wisdom		benchmark	0							205	447
Laborie09 Laborie09 [370]	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems		real-world, benchmark	2							206	498

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LombardiM09 LombardiM09 [401]	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations		real-world, instance generator	1							207	516
MonetteDH09 MonetteDH09 [445]	Just-In-Time Scheduling with Constraint Programming		benchmark	0							208	533
SchuttFSW09 SchuttFSW09 [538]	Why Cumulative Decomposition Is Not as Bad as It Sounds		benchmark, real-world	1							209	571
ThiruvadyBME09 ThiruvadyBME09 [584]	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling			0							210	594
Vilim09 Vilim09 [616]	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)${\mathcal O}(kn {\rm log} n)			0							211	612
Vilim09a Vilim09a [617]	Max Energy Filtering Algorithm for Discrete Cumulative Resources			1							212	613
Wolf09 Wolf09 [640]	Linear Weighted-Task-Sum – Scheduling Prioritized Tasks on a Single Resource		real-life	1							213	625
BarlattCG08 BarlattCG08 [52]	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems		real-world	1							214	348
BeldiceanuCP08 BeldiceanuCP08 [81]	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles		benchmark	0							215	361
BeniniLMR08 BeniniLMR08 [89]	A Constraint Programming Approach for Allocation and Scheduling on the CELL Broadband Engine		benchmark	1							216	366
DoomsH08 DoomsH08 [186]	Gap Reduction Techniques for Online Stochastic Project Scheduling			0							217	411
HentenryckM08 HentenryckM08 [299]	The Steel Mill Slab Design Problem Revisited		CSPlib	0							218	462
LauLN08 LauLN08 [378]	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)		benchmark, real-world	0							219	502
MouraSCL08 MouraSCL08 [450]	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network			0							220	535
MouraSCL08a MouraSCL08a [449]	Heuristics and Constraint Programming Hybridizations for a Real Pipeline Planning and Scheduling Problem		real-world, benchmark	0							221	536
PoderB08 PoderB08 [500]	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production			0							222	554
SchausD08 SchausD08 [530]	A Global Constraint for Bin-Packing with Precedences: Application to the Assembly Line Balancing Problem		real-life, benchmark	0							223	567
WatsonB08 WatsonB08 [632]	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem		benchmark, real-world	1							224	620
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 *cumulative* Constraint with Positive-Negative Resource Consumption-Production			0							226	362
DavenportKRSH07 DavenportKRSH07 [165]	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing			0							227	404
GarganiR07 GarganiR07 [226]	An Efficient Model and Strategy for the Steel Mill Slab Design Problem		real-life, CSPlib	0							228	427

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
HoeveGSL07 HoeveGSL07 [609]	Optimal Multi-Agent Scheduling with Constraint Programming		benchmark	0							229	466
KeriK07 KeriK07 [342]	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method			2							230	482
KovacsB07 KovacsB07 [354]	A Global Constraint for Total Weighted Completion Time		benchmark	0							231	489
KrogtLPHJ07 KrogtLPHJ07 [608]	Scheduling for Cellular Manufacturing		real-world	0							232	495
Limtanyakul07 Limtanyakul07 [392]	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming		real-life	0							233	509
MonetteDD07 MonetteDD07 [444]	A Position-Based Propagator for the Open-Shop Problem		benchmark	0							234	532
RossiTHP07 RossiTHP07 [524]	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost			0							235	565
Beck06 Beck06 [63]	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling		benchmark	0							236	354
BeniniBGM06 BeniniBGM06 [88]	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs		real-life	0							237	365
GomesHS06 GomesHS06 [254]	Constraint Programming for Distributed Planning and Scheduling		real-life	0							238	444
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	483
KovacsV06 KovacsV06 [360]	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP		industrial partner, benchmark, generated instance	0							240	493
LiuJ06 LiuJ06 [397]	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming			0							241	512
QuSN06 QuSN06 [513]	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices			0							242	560
Wallace06 Wallace06 [626]	Hybrid Algorithms in Constraint Programming		Roadef, benchmark, real-world	0							243	617
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	340
BeckW05 BeckW05 [72]	Proactive Algorithms for Scheduling with Probabilistic Durations			0							246	358
CarchraeBF05 CarchraeBF05 [132]	Methods to Learn Abstract Scheduling Models			0							247	388
ChuX05 ChuX05 [148]	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems			0							248	395
DilkinaDH05 DilkinaDH05 [182]	Extending Systematic Local Search for Job Shop Scheduling Problems			0							249	410
FortinZDF05 FortinZDF05 [218]	Interval Analysis in Scheduling			0							250	421
FrankK05 FrankK05 [219]	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations		benchmark	0							251	422
Geske05 Geske05 [241]	Railway Scheduling with Declarative Constraint Programming		real-life	0							252	437

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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	440
HebrardTW05 HebrardTW05 [287]	Computing Super-Schedules			0							254	456
Hooker05a Hooker05a [307]	Planning and Scheduling to Minimize Tardiness			0							255	468
KovacsEKV05 KovacsEKV05 [357]	Proterv-II: An Integrated Production Planning and Scheduling System		real-life	0							256	490
MoffittPP05 MoffittPP05 [442]	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints			0							257	531
QuirogaZH05 QuirogaZH05 [514]	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS			0							258	561
SchuttWS05 SchuttWS05 [545]	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$		benchmark	0							259	574
Vilim05 Vilim05 [615]	Computing Explanations for the Unary Resource Constraint		benchmark	4							260	611
Wolf05 Wolf05 [637]	Better Propagation for Non-preemptive Single-Resource Constraint Problems		benchmark	0							261	624
WolfS05 WolfS05 [639]	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application		real-world	0							262	627
WuBB05 WuBB05 [642]	Scheduling with Uncertain Start Dates		benchmark	0							263	629
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	357
HentenryckM04 HentenryckM04 [298]	Scheduling Abstractions for Local Search		benchmark	0							266	461
Hooker04 Hooker04 [305]	A Hybrid Method for Planning and Scheduling		random instance	0							267	467
KovacsV04 KovacsV04 [359]	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling		industrial partner, benchmark, real-life	0							268	492
LimRX04 LimRX04 [389]	Solving the Crane Scheduling Problem Using Intelligent Search Schemes		generated instance	0							269	508
MaraveliasG04 MaraveliasG04 [426]	Using MILP and CP for the Scheduling of Batch Chemical Processes			0							270	527
Sadykov04 Sadykov04 [527]	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem			0							271	566
Vilim04 Vilim04 [614]	O(n log n) Filtering Algorithms for Unary Resource Constraint		benchmark	1							272	610
VilimBC04 VilimBC04 [619]	Unary Resource Constraint with Optional Activities		benchmark, real-life	0							273	615
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	628
BeckPS03 BeckPS03 [69]	Vehicle Routing and Job Shop Scheduling: What's the Difference?		benchmark, real-world	0							276	356
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	402

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	497
OddiPCC03 OddiPCC03 [482]	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem		benchmark	0							279	545
ValleMGT03 ValleMGT03 [605]	On Selecting and Scheduling Assembly Plans Using Constraint Programming		real-life	0							280	605
Vilim03 Vilim03 [613]	Computing Explanations for Global Scheduling Constraints			0							281	609
Wolf03 Wolf03 [636]	Pruning while Sweeping over Task Intervals		benchmark	0							282	623
Bartak02 Bartak02 [54]	Visopt ShopFloor: On the Edge of Planning and Scheduling		real-life	0							283	349
Bartak02a Bartak02a [53]	Visopt ShopFloor: Going Beyond Traditional Scheduling		benchmark, real-life	0							284	350
BeldiceanuC02 BeldiceanuC02 [79]	A New Multi-resource cumulatives Constraint with Negative Heights		real-life, random instance, benchmark	0							285	360
ElkhyariGJ02 ElkhyariGJ02 [197]	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems			0							286	415
ElkhyariGJ02a ElkhyariGJ02a [198]	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools		benchmark, real-life	0							287	416
HookerY02 HookerY02 [315]	A Relaxation of the Cumulative Constraint			0							288	470
KamarainenS02 KamarainenS02 [332]	Local Probing Applied to Scheduling		real-world, benchmark	2							289	477
Muscettola02 Muscettola02 [454]	Computing the Envelope for Stepwise-Constant Resource Allocations			0							290	539
Vilim02 Vilim02 [612]	Batch Processing with Sequence Dependent Setup Times			0							291	608
ZhuS02 ZhuS02 [665]	A Meeting Scheduling System Based on Open Constraint Programming			0							292	638
Thorsteinsson01 Thorsteinsson01 [587]	Branch-and-Check: A Hybrid Framework Integrating Mixed Integer Programming and Constraint Logic Programming			0							293	596
VanczaM01 VanczaM01 [610]	A Constraint Engine for Manufacturing Process Planning		real-life, real-world	0							294	606
VerfaillieL01 VerfaillieL01 [611]	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View			0							295	607
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	419
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	487
Simonis99 Simonis99 [558]	Building Industrial Applications with Constraint Programming		benchmark, real-world, real-life	0							300	580
CestaOS98 CestaOS98 [144]	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints			0							301	392
FrostD98 FrostD98 [224]	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units			0							302	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
GruianK98 GruianK98 [264]	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming		benchmark	0							303	450
PembertonG98 PembertonG98 [494]	A constraint-based approach to satellite scheduling			0							304	551
RodosekW98 RodosekW98 [518]	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems		benchmark	0							305	564
BaptisteP97 BaptisteP97 [48]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems		benchmark	0							306	347
BeckDF97 BeckDF97 [65]	Five Pitfalls of Empirical Scheduling Research		benchmark, real-world	0							307	355
BoucherBVBL97 BoucherBVBL97 [116]	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Schedulingt Problem			0							308	No
Caseau97 Caseau97 [137]	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel		benchmark	0							309	389
PapeB97 PapeB97 [491]	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling			0							310	No
BrusoniCLMMT96 BrusoniCLMMT96 [123]	Resource-Based vs. Task-Based Approaches for Scheduling Problems			0							311	384
Colombani96 Colombani96 [157]	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem			0							312	401
Zhou96 Zhou96 [662]	A Constraint Program for Solving the Job-Shop Problem			0							313	636
Goltz95 Goltz95 [252]	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling		benchmark	0							314	443
Puget95 Puget95 [510]	Applications of Constraint Programming		benchmark	0							315	559
Simonis95 Simonis95 [557]	The CHIP System and Its Applications			0							316	578
Simonis95a Simonis95a [556]	Application Development with the CHIP System		real-life, benchmark	0							317	579
SimonisC95 SimonisC95 [561]	Modelling Producer/Consumer Constraints		real-life	0							318	581
Touraivane95 Touraivane95 [593]	Constraint Programming and Industrial Applications		real-life	0							319	599
JourdanFRD94 JourdanFRD94 [326]	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming			0							320	No
NuijtenA94 NuijtenA94 [478]	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling			0							321	544
Wallace94 Wallace94 [624]	Applying Constraints for Scheduling			0							322	No
BaptisteLV92 BaptisteLV92 [51]	Hoist scheduling problem: an approach based on constraint logic programming			0							323	346
ErtlK91 ErtlK91 [200]	Optimal Instruction Scheduling using Constraint Logic Programming		real-world, benchmark	0							324	417

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	1303	1468
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	1402	1469
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	1467	1470
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	1242	1471
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	No	[3]	2023	Computers Operations Research	1	0	46	No	1472
Adelgren2023 Adelgren2023	N. Adelgren, Christos T. Maravelias	On the utility of production scheduling formulations including record keeping variables	No	[7]	2023	Computers Industrial Engineering	1	0	43	No	1473
AfsarVPG23 AfsarVPG23	S. Afsar, Camino R. Vela, Juan José Palacios, I. González-Rodríguez	Mathematical models and benchmarking for the fuzzy job shop scheduling problem	No	[8]	2023	Computers Industrial Engineering	1	0	50	No	1474
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	1244	1475
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	1245	1476
Caballero23 Caballero23	Jordi Coll Caballero	Scheduling through logic-based tools	Yes	[127]	2023	Constraints An Int. J.	1	0	0	1281	1477
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	1289	1478
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	1479
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	No	[212]	2023	Omega	1	7	60	No	1480
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	1481
GuoZ23 GuoZ23	P. Guo, J. Zhu	Capacity reservation for humanitarian relief: A logic-based Benders decomposition method with subgradient cut	No	[269]	2023	European Journal of Operational Research	null	0	112	No	1482
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	1314	1483
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	1334	1484
JuvinHL23a JuvinHL23a	C. Juvin, L. Houssin, P. Lopez	Logic-based Benders decomposition for the preemptive flexible job-shop scheduling problem	No	[331]	2023	Computers Operations Research	1	0	40	No	1485
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	1353	1486

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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	1378	1487
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	1379	1488
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	1382	1489
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	1490
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	No	[495]	2023	Computers Operations Research	1	0	34	No	1491
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	1416	1492
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	1446	1493
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	No	[666]	2023	Omega	1	1	36	No	1494
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	1464	1495
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	1465	1496
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	1466	1497
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	1241	1498
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	1279	1499
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	1282	1500
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	1288	1501
ElciOH22 ElciOH22	Özgün Elçi, John N. Hooker	Stochastic Planning and Scheduling with Logic-Based Benders Decomposition	No	[195]	2022	INFORMS Journal on Computing	null	2	34	No	1502
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	1293	1503
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	1295	1504
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	1301	1505

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FetgoD22 FetgoD22	Sévérine Betmbe Fetgo, Clémentin Tayou Djamégni	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited	Yes	[214]	2022	Oper. Res. Forum	32	0	20	1302	1506
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	1323	1507
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	1508
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	1337	1509
MartnezAJ22 MartnezAJ22	Karim Pérez Martínez, 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	1510
MullerMKP22 MullerMKP22	D. Müller, Marcus Gerhard Müller, D. Kress, E. Pesch	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning	Yes	[451]	2022	European Journal of Operational Research	18	17	59	1380	1511
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	1381	1512
NaderiBZ22a NaderiBZ22a	B. Naderi, Mehmet A. Begen, Gregory S. Zaric	Type-2 integrated process-planning and scheduling problem: Reformulation and solution algorithms	No	[456]	2022	Computers Operations Research	1	3	44	No	1513
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	1514
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	1399	1515
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	1516
SubulanC22 SubulanC22	K. Subulan, G. Çakir	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem	Yes	[565]	2022	Soft Comput.	38	5	86	1423	1517
YunusogluY22 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	1445	1518
YuraszeckMPV22 YuraszeckMPV22	F. Yuraszeck, G. Mejía, J. Pereira, M. Vilà	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem	Yes	[650]	2022	Mathematics	26	6	29	1447	1519
abs-2211-14492 abs-2211-14492	Y. Sun, S. Nguyen, Dhananjay 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	1463	1520
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	1239	1521
AbreuAPNM21 AbreuAPNM21	Levi Ribeiro de Abreu, Kennedy A. G. Araújo, 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	1240	1522
Bedhief21 Bedhief21	Asma Ouled Bedhief	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines	Yes	[74]	2021	Journal Européen des Systèmes Automatisés	7	0	0	1264	1523
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	1524

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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	1300	1525
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	1319	1526
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	1333	1527
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	1342	1528
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	1529
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	1396	1530
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	1404	1531
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	1438	1532
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	1453	1533
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	1462	1534
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	1535
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	1246	1536
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	1248	1537
BadicaBI20 BadicaBI20	A. Badica, C. Badica, M. Ivanovic	Block structured scheduling using constraint logic programming	Yes	[39]	2020	AI Commun.	17	2	28	1249	1538
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	1269	1539
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	1284	1540
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	1299	1541
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	1542
HauderBRPA20 HauderBRPA20	Viktoria A. Hauder, A. Beham, S. Raggl, Sophie N. Parragh, M. Affenzeller	Resource-constrained multi-project scheduling with activity and time flexibility	No	[283]	2020	Computers Industrial Engineering	1	14	46	No	1543

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LunardiBLRV20 LunardiBLRV20	Willian T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem	Yes	[413]	2020	Computers Operations Research	20	30	18	1366	1544
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	1370	1545
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	1373	1546
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	1377	1547
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	1400	1548
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	1403	1549
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	No	[521]	2020	International Journal of Production Economics	1	24	43	No	1550
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	1408	1551
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	1440	1552
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	1448	1553
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	1455	1554
ArkhipovBL19 ArkhipovBL19	D. Arkhipov, O. Battaïa, A. Lazarev	An efficient pseudo-polynomial algorithm for finding a lower bound on the makespan for the Resource Constrained Project Scheduling Problem	No	[25]	2019	European Journal of Operational Research	null	12	24	No	1555
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	1556
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	1294	1557
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	1313	1558
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	1332	1559
NattafDYW19 NattafDYW19	M. Nattaf, S. Dauzère-Pérès, C. Yugma, C. Wu	Parallel machine scheduling with time constraints on machine qualifications	No	[465]	2019	Computers Operations Research	16	14	21	No	1560
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	1386	1561
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	1387	1562
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	1389	1563

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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	1564
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	1442	1565
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	1444	1566
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	1458	1567
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	1459	1568
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	1460	1569
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	1461	1570
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[46]	2018	Discret. Appl. Math.	10	3	13	1253	1571
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	1278	1572
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	1285	1573
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	1297	1574
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	1306	1575
GokgurHO18 GokgurHO18	B. Gökgür, 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	1308	1576
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[251]	2018	J. Artif. Intell. Res.	32	8	0	1309	1577
GombolayWS18 GombolayWS18	Matthew C. Gombolay, Ronald J. Wilcox, Julie A. Shah	Fast Scheduling of Robot Teams Performing Tasks With Temporospatial Constraints	No	[253]	2018	IEEE Transactions on Robotics	null	71	75	No	1578
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	1317	1579
Ham18a Ham18a	A. Ham	Scheduling of Dual Resource Constrained Lithography Production: Using CP and MIP/CP	No	[274]	2018	IEEE Transactions on Semiconductor Manufacturing	null	20	21	No	1580
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	1348	1581
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	1352	1582
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	1401	1583

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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	1417	1584
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	1425	1585
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	1433	1586
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	1452	1587
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	1310	1588
HookerH17 HookerH17	John N. Hooker, Willem-Jan van Hoeve	Constraint programming and operations research	Yes	[314]	2017	Constraints An Int. J.	24	12	189	1330	1589
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	1347	1590
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	1384	1591
RoshanaeiLAU17 RoshanaeiLAU17	V. Roshanaei, C. Luong, Dionne M. Aleman, D. Urbach	Propagating logic-based Benders' decomposition approaches for distributed operating room scheduling	No	[522]	2017	European Journal of Operational Research	null	61	46	No	1592
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	1593
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	1434	1594
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	1274	1595
Bonfietti16 Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	Yes	[106]	2016	Intelligenza Artificiale	13	0	19	1276	1596
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	1280	1597
CireCH16 CireCH16	Andre A. Ciré, E. Coban, John N. Hooker	Logic-based Benders decomposition for planning and scheduling: a computational analysis	No	[150]	2016	The Knowledge Engineering Review	null	15	21	No	1598
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	1292	1599
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	1318	1600
HebrardHJMPV16 HebrardHJMPV16	E. Hebrard, M. Huguet, N. Jozefowiez, 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	1321	1601
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	1349	1602
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	1385	1603

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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	1388	1604
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	1432	1605
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	1449	1606
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	1251	1607
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	1296	1608
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	1307	1609
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	1311	1610
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[334]	2015	Constraints An Int. J.	2	0	0	1338	1611
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	1355	1612
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	1383	1613
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	1413	1614
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[551]	2015	Constraints An Int. J.	2	4	0	1418	1615
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	1419	1616
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	1441	1617
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	1273	1618
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence	28	8	15	1277	1619
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	1312	1620
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	No	[279]	2014	Computers Chemical Engineering	null	381	176	No	1621
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	1339	1622
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	1392	1623
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	1427	1624
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	1428	1625

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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	1250	1626
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	1265	1627
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	1324	1628
LombardiMB13 LombardiMB13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	No	[407]	2013	IEEE Transactions on Computers	null	28	29	No	1629
MenciaSV13 MenciaSV13	C. Mencía, 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	1372	1630
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	1395	1631
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	1415	1632
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	1315	1633
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	1325	1634
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	1358	1635
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	1360	1636
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	1361	1637
MalapertCGJLR12 MalapertCGJLR12	A. Malapert, H. Cambazard, C. Guéret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	No	[421]	2012	INFORMS Journal on Computing	17	23	21	No	1638
MenciaSV12 MenciaSV12	C. Mencía, 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	1371	1639
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	1391	1640
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	1426	1641
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	1642
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	1252	1643
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[57]	2011	Constraints An Int. J.	5	17	3	1256	1644
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	1261	1645
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the *cumulative* constraint in the context of non-overlapping rectangles	Yes	[80]	2011	Annals of Operations Research	24	8	8	1267	1646
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	1270	1647
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	1287	1648
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	1649

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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	1316	1650
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	1322	1651
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	1340	1652
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	1345	1653
KovacsK11 KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[358]	2011	Constraints An Int. J.	24	3	24	1346	1654
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	1411	1655
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	1414	1656
TopaloglуO11 TopaloglуO11	S. Topaloglu, I. Ozkarahan	A constraint programming-based solution approach for medical resident scheduling problems	Yes	[590]	2011	Computers Operations Research	10	46	24	1430	1657
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	1435	1658
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	1255	1659
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	1257	1660
ChenGPSH10 ChenGPSH10	Y. Chen, Z. Guan, Y. Peng, X. Shao, M. Hasseb	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	1286	1661
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[402]	2010	Artificial Intelligence	30	8	24	1359	1662
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	1362	1663
LopesCSM10 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	1363	1664
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	1390	1665
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	1451	1666
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	1457	1667
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	1272	1668
BocewiczBB09 BocewiczBB09	G. Bocewicz, I. Bach, Zbigniew Antoni Banaszak	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling	Yes	[101]	2009	Int. J. Intell. Inf. Database Syst.	19	0	0	1275	1669
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	1283	1670
GarridoAO09 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	1304	1671
Jans09 Jans09	R. Jans	Solving Lot-Sizing Problems on Parallel Identical Machines Using Symmetry-Breaking Constraints	Yes	[324]	2009	INFORMS Journal on Computing	24	59	73	1336	1672
MilanoW09 MilanoW09	M. Milano, M. Wallace	Integrating Operations Research in Constraint Programming	Yes	[441]	2009	Annals of Operations Research	40	34	46	1376	1673

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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	1394	1674
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	1407	1675
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	1443	1676
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[499]	2009	CoRR	12	0	0	1456	1677
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	1305	1678
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	1344	1679
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	1356	1680
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	1357	1681
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	1367	1682
MercierH08 MercierH08	L. Mercier, Pascal Van Hentenryck	Edge Finding for Cumulative Scheduling	Yes	[436]	2008	INFORMS Journal on Computing	21	32	5	1374	1683
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	1258	1684
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	1263	1685
CorreaLR07 CorreaLR07	Ayoub Insa Corréa, A. Langevin, L. Rousseau	Scheduling and routing of automated guided vehicles: A hybrid approach	No	[158]	2007	Computers Operations Research	null	106	20	No	1686
Hooker07 Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	Yes	[309]	2007	Operations Research	29	181	19	1329	1687
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	1405	1688
Simonis07 Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[559]	2007	Constraints An Int. J.	30	10	17	1420	1689
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	1328	1690
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	1341	1691
MilanoW06 MilanoW06	M. Milano, M. Wallace	Integrating operations research in constraint programming	Yes	[440]	2006	4OR	45	18	46	1375	1692
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	1409	1693
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	1424	1694
DemasseyAM05 DemasseyAM05	S. Demassey, C. Artigues, P. Michelon	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem	No	[176]	2005	INFORMS Journal on Computing	null	43	25	No	1695
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[306]	2005	Constraints An Int. J.	17	68	11	1327	1696

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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	1437	1697
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	1450	1698
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	1398	1699
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	1262	1700
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[313]	2003	Mathematical Programming	28	317	0	1331	1701
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	1350	1702
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	1351	1703
Tsang03 Tsang03	Edward P. K. Tsang	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems	Yes	[603]	2003	Journal of Scheduling	2	1	0	1436	1704
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	1320	1705
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	1365	1706
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	1707
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	1406	1708
Timpe02 Timpe02	C. Timpe	Solving planning and scheduling problems with combined integer and constraint programming	Yes	[588]	2002	OR Spectr.	18	42	0	1429	1709
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	1335	1710
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	1368	1711
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	1369	1712
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	1247	1713
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	1254	1714
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	1259	1715
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	1326	1716
KorbaaYG00 KorbaaYG00	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming	Yes	[352]	2000	Eur. J. Control	10	7	4	1343	1717
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	1364	1718

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	1410	1719
SchildW00 SchildW00	K. Schild, J. Würtz	Scheduling of Time-Triggered Real-Time Systems	Yes	[532]	2000	Constraints An Int. J.	23	23	0	1412	1720
SimonisCK00 SimonisCK00	H. Simonis, P. Charlier, P. Kay	Constraint Handling in an Integrated Transportation Problem	Yes	[560]	2000	IEEE Intell. Syst.	7	11	5	1421	1721
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[563]	2000	INFORMS Journal on Computing	12	7	14	1422	1722
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	1431	1723
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	Yes	[91]	1999	Constraints An Int. J.	7	99	0	1271	1724
JainM99 JainM99	A. Jain, S. Meeran	Deterministic job-shop scheduling: Past, present and future	No	[322]	1999	European Journal of Operational Research	null	490	150	No	1725
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	1260	1726
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	1268	1727
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[479]	1998	J. Heuristics	16	42	0	1393	1728
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[492]	1998	Constraints An Int. J.	25	14	0	1397	1729
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	1290	1730
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	1298	1731
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[377]	1997	Artif. Intell. Eng.	15	11	7	1354	1732
Zhou97 Zhou97	J. Zhou	A Permutation-Based Approach for Solving the Job-Shop Problem	Yes	[663]	1997	Constraints An Int. J.	29	14	0	1454	1733
BlazewiczDP96 BlazewiczDP96	J. Błażewicz, W. Domschke, E. Pesch	The job shop scheduling problem: Conventional and new solution techniques	No	[125]	1996	European Journal of Operational Research	null	344	127	No	1734
NuijtenA96 NuijtenA96	W. Nuijten, E. Aarts	A computational study of constraint satisfaction for multiple capacitated job shop scheduling	No	[480]	1996	European Journal of Operational Research	null	65	6	No	1735
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[625]	1996	Constraints An Int. J.	30	87	55	1439	1736
BeldiceanuC94 BeldiceanuC94	N. Beldiceanu, E. Contejean	Introducing Global Constraints in CHIP	Yes	[78]	1994	Mathematical and Computer Modelling	27	167	8	1266	1737
Pape94 Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	No	[490]	1994	Intelligent Systems Engineering	1	98	0	No	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	17	187	11	1243	1739
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	1740

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	1291	1741

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		1018	1521
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		1019	1522
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		995	1498
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	968	1471
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		1236	1739
AkramNHRSA23 [13]	16	resource, completion-time, preempt, scheduling, order, machine, task, distributed		cycle, bin-packing	Python	OR-Tools	medical, agriculture		benchmark		972	1475
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		973	1476
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		1033	1536
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					1210	1713

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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		1034	1537
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		1035	1538
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				1123	1626
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		1104	1607
BandaSC11 [170]	18	precedence, order, scheduling, task				Ilog Solver, OZ			random instance, benchmark, CSPlib		1140	1643
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	1068	1571
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	1211	1714
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		1156	1659
BartakS11 [57]	5	distributed, resource, scheduling, task, multi-agent, order		cumulative		OPL			random instance, real-world, real-life		1141	1644
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	1157	1660

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Beck07 [64]	29	flow-shop, order, scheduling, precedence, make-span, machine, resource, job, job-shop, tardiness, activity		disjunctive		Ilog Scheduler			benchmark		1181	1684
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	1212	1715
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	1223	1726
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		1142	1645
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	1197	1700
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	1182	1685
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, OPL, Cplex	robot, medical		real-life		1020	1523
BegB13 [75]	23	scheduling, re-scheduling, machine, resource, task, completion-time, order, distributed	TMS	cycle			pipeline		benchmark		1124	1627
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		1234	1737
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	1143	1646

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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		1224	1727
BenediktMH20 [86]	19	preempt, order, job, re-scheduling, task, job-shop, scheduling, machine	single machine	noOverlap, endBeforeStart		Gurobi	robot		github, benchmark, random instance, generated instance		1036	1539
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		1144	1647
BensanaLV99 [91]	7	order		cycle		Cplex, Ilog Solver	satellite, earth observation		benchmark		1221	1724
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	1165	1668
BlomBPS14 [99]	19	task, transportation, distributed, resource, scheduling, precedence, order		disjunctive		Cplex, OZ	offshore		benchmark, industry partner		1115	1618
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		1092	1595
BocewiczBB09 [101]	19	job-shop, resource, multi-agent, precedence, scheduling, machine, transportation, order, tardiness, job, task, distributed, completion-time		cycle		OZ	robot			not-last	1166	1669
Bonfietti16 [106]	13	order, activity, scheduling, resource, task, distributed, precedence		disjunctive, cumulative, circuit	C++	OZ	pipeline		benchmark		1093	1596
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	1116	1619
BorghesiBLMB18 [115]	13	job, re-scheduling, make-span, resource, distributed, activity, task, machine, scheduling, order		cumulative, cycle			supercomputer		benchmark, real-life		1069	1572
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		996	1499

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BridiBLMB16 [120]	14	re-scheduling, make-span, job, scheduling, resource, order, machine, activity, distributed, tardiness		cycle, cumulative, circuit		OZ	medical, supercomputer		real-world, real-life		1094	1597
Caballero23 [127]	1	resource, scheduling	RCPSP								974	1477
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	997	1500
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	1167	1670
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, bitbucket, generated instance	not-last, edge-finding, not-first	1037	1540
CauwelaertLS18 [141]	36	scheduling, order, job, resource, activity, machine, task, job-shop	psplib, RCPSP	circuit, alldifferent, binpacking, disjunctive, cumulative, table constraint	Java, Prolog	OZ, OPL, Gecode, CHIP			bitbucket, benchmark	energetic reasoning, not-last, edge-finding, time-tabling, not-first, sweep	1070	1573
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	1158	1661
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	1145	1648
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		998	1501

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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		975	1478
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		1227	1730
DincbasSH90 [184]	19	task, machine, job-shop, distributed, precedence, scheduling, resource, order, job		circuit, disjunctive	Prolog	CHIP, OPL			real-life		1238	1741
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		1096	1599
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		1000	1503
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			1054	1557
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		1001	1504
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	1105	1608
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	1071	1574
FalaschiGMP97 [208]	27	order, scheduling			Prolog						1228	1731

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	1038	1541
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	1022	1525
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	1002	1505
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	1003	1506
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		965	1468
GarridoAO09 [227]	30	re-scheduling, precedence, scheduling, make-span, resource, order, task		disjunctive	Java	CPO, OPL, Choco Solver			benchmark		1168	1671
GarridoOS08 [228]	11	scheduling, make-span, resource, order, activity, task, machine			Java, C	Choco Solver, CPO			real-world		1175	1678
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		1072	1575
GoelSHFS15 [248]	12	precedence, resource, inventory, setup-time, scheduling, activity, task, order, transportation, machine		cumulative, noOverlap, disjunctive, alwaysIn		OPL, Cplex, CPO	pipeline				1106	1609

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GokgurHO18 [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, semiconductor		real-life, real-world	not-first, edge-finding, energetic reasoning, not-last	1073	1576
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	1074	1577
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					1085	1588
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, endBeforeStart, disjunctive, cumulative		Ilog Scheduler, Mistral, CPO, Choco Solver	semiconductor		real-world, benchmark	not-first, time-tabling, edge-finding, not-last	1107	1610
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		1117	1620
GurEA19 [670]	24	order, distributed, resource, job-shop, scheduling, re-scheduling, job, completion-time				OZ, Cplex	patient, medical, surgery, operating room		real-life		1055	1558
GurPAE23 [270]	25	re-scheduling, order, scheduling, distributed, resource, inventory, machine		cumulative		OPL, Cplex, OZ	physician, surgery, patient, operating room, COVID, nurse		real-life		980	1483
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, instance generator, benchmark	time-tabling, energetic reasoning	1130	1633
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			1147	1650

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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				1076	1579
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		1097	1600
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		1023	1526
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					1202	1705
HebrardHJMPV16 [286]	10	completion-time, resource, task, cmax, distributed, machine, scheduling, order, job, make-span	parallel machine	cumulative		OZ	satellite, earth observation		industrial partner		1098	1601
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	1148	1651
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		1004	1507
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	1125	1628
HeinzSSW12 [292]	12	inventory, task, order		bin-packing		Cplex	steel mill	steel industry, process industry	real-world, CSPlib		1131	1634
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		1213	1716

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	1193	1696
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		1187	1690
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	1184	1687
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	1086	1589
HookerO03 [313]	28	due-date, resource, scheduling, task, order, machine, job, release-date		cumulative, disjunctive, circuit		OPL, Cplex, Ilog Scheduler			generated instance		1198	1701
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	1056	1559
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, endBeforeStart, alternative constraint	C	Gurobi, Cplex, OPL	automotive		benchmark, real-life		1024	1527
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	981	1484
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				1207	1710
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		1169	1672

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

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		1006	1509
Kameugne15 [334]	2	resource, scheduling, task, preempt, completion-time		cumulative						not-last, edge-finding, not-first	1108	1611
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	1119	1622
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	1149	1652
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		1188	1691
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		1025	1528
KorbaaYG00 [352]	10										1214	1717
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	1176	1679
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	1150	1653
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					1151	1654

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	1087	1590
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		1078	1581
KuB16 [365]	9	precedence, tardiness, earliness, completion-time, make-span, scheduling, machine, job-shop, job, order		disjunctive		Cplex, Ilog Scheduler, SCIP, Gurobi			benchmark		1099	1602
KuchcinskiW03 [366]	15	scheduling, precedence, resource, distributed, order		cycle, circuit	Java		pipeline		benchmark		1199	1702
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	1200	1703
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	1079	1582
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	983	1486
LammaMM97 [377]	15	job-shop, resource, scheduling, precedence, order, task, job, distributed		circuit, disjunctive	C++, Prolog	ECLiPSe, OPL, CHIP	railway		real-life		1229	1732
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	1109	1612
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		1177	1680

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	1178	1681
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	1132	1635
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	1159	1662
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	1133	1636
LombardiM12a [404]	10	order, make-span, completion-time, resource, activity, precedence, producer/consumer, scheduling	psplib, RCPSP	disjunctive		Ilog Solver			benchmark		1134	1637
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		1160	1663
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	1161	1664
LopezAKYG00 [410]	4										1215	1718
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					1203	1706

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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		1041	1544
MalikMB08 [425]	18	distributed, resource, scheduling, machine, precedence, order		cycle			pipeline		benchmark	edge-finding	1179	1682
MartinPY01 [427]	17	scheduling, task, order, machine, transportation, re-scheduling, resource		circuit	Prolog	ECLiPSe, Ilog Solver	railway, aircraft		real-life		1208	1711
Mason01 [429]	38	scheduling, order, task, activity, transportation				OPL, OZ, Cplex	railway, crew-scheduling, nurse				1209	1712
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		1042	1545
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	1136	1639
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	1127	1630
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, semiconductor		supplementary material, benchmark		1043	1546
MercierH08 [436]	21	job-shop, due-date, scheduling, preempt, task, order, job, release-date, resource		cumulative, disjunctive						edge-finder, edge-finding	1180	1683

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	1189	1692
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	1170	1673
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	1044	1547
MontemanniD23 [447]	13	resource, distributed, order, scheduling, machine, task		circuit	Python	OPL, OR-Tools, Gurobi	robot, drone		benchmark, supplementary material		984	1487
MontemanniD23a [446]	20	order, completion-time, task, transportation, scheduling		circuit	Python	OR-Tools	drone		benchmark		985	1488
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, semiconductor		benchmark, random instance, real-world, github		1008	1511
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		1009	1512
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		986	1489
NattafAL15 [462]	21	resource, release-date, due-date, scheduling, preempt, task, order, activity, make-span	CECSP, CuSP, RCPSP	cumulative	C++	Cplex			generated instance	sweep, energetic reasoning	1110	1613

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
NattafAL17 [463]	18	resource, release-date, scheduling, task, order, activity, make-span, job	CECSP	disjunctive, cumulative	C++	Cplex			real-world	edge-finding, energetic reasoning	1088	1591
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	energetic reasoning, sweep	1100	1603
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	1058	1561
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		1059	1562
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		pharmaceutica industry	CSPlib, benchmark		1101	1604
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, OZ, Cplex	medical, semiconductor, robot		benchmark		1060	1563
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, OPL, Ilog Scheduler	pipeline				1162	1665
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				1137	1640
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		1120	1623

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
NuijtenP98 [479]	16	resource, setup-time, job-shop, scheduling, preempt, manpower, flow-shop, task, order, completion-time, transportation, machine, make-span, job, precedence	JSSP, single machine	disjunctive	C++	Ilog Solver, Ilog Scheduler, OPL	satellite		real-life	edge-finding	1225	1728
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		1171	1674
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	1128	1631
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		1027	1530
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	1226	1729
PoderBS04 [501]	16	preempt, due-date, resource, scheduling, precedence, order, task, machine, activity, producer/consumer, release-date	RCPSP	cumulative	Prolog	CHIP		chemical industry			1196	1699
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		1012	1515
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		1045	1548
PourDERB18 [505]	12	scheduling, task, order, machine, transportation, job				Cplex, OR-Tools	crew-scheduling, railway		real-life, benchmark, real-world, generated instance		1080	1583

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	966	1469
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		1046	1549
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				1028	1531
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		1185	1688
RodriguezDG02 [519]	10	completion-time, scheduling, resource, transportation, activity, order		circuit, disjunctive			railway			edge-finding	1205	1708
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		1172	1675
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, endBeforeStart, noOverlap	Java	Cplex, OZ, CPO	container terminal		benchmark, real-life, zenodo, real-world		1048	1551
SadykovW06 [528]	9	scheduling, lateness, due-date, machine, completion-time, job, release-date	single machine, parallel machine	disjunctive		CHIP	robot		generated instance		1190	1693
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	1216	1719
SchausHMCMD11 [531]	23	order, task	SCC	bin-packing			steel mill	steel industry	benchmark, CSPlib, generated instance		1152	1655
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	1217	1720

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

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		1111	1614
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	1153	1656
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		1129	1632
ShaikhK23 [547]	12	order, job, activity, re-scheduling, distributed, job-shop, resource, scheduling, open-shop, task, machine					medical, drone		benchmark, real-world	time-tabling	989	1492
ShinBBHO18 [550]	16	scheduling, task, order, machine, preempt, activity, transportation, resource, inventory, job					patient, physician, medical, nurse		github, real-world		1081	1584
Siala15 [551]	2	resource, scheduling		disjunctive					benchmark		1112	1615
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	1113	1616
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	1186	1689
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			1218	1721
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	1219	1722
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		1014	1517

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

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					1191	1694
TangLWSK18 [574]	28	scheduling, task, order, preempt, activity, job, transportation, re-scheduling, resource	RCPSP	cycle, circuit	C	Cplex, OZ, OPL	crew-scheduling, railway, pipeline				1082	1585
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	robot		real-life		1138	1641
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		1121	1624
ThiruvadyWGS14 [585]	34	order, completion-time, resource, activity, tardiness, distributed, machine, precedence, task, job, make-span, scheduling	psplib, single machine	cumulative				mining industry	benchmark		1122	1625
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			1206	1709
TopalogluO11 [590]	10	order, re-scheduling, task, distributed, transportation, preempt, scheduling				Cplex, OPL, OZ, Ilog Solver	surgery, nurse, medical, physician, emergency service, patient		real-life	time-tabling	1154	1657
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	robot		benchmark	not-last, energetic reasoning, not-first	1220	1723
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		1102	1605
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		1083	1586

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

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		1091	1594
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		1155	1658
Tsang03 [603]	2	resource, scheduling							real-life	time-tabling	1201	1704
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	1194	1697
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		1029	1532
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	1233	1736
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	1049	1552
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	1114	1617
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				1062	1565
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		1173	1676
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		1063	1566

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		1015	1518
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		pharmaceutica industry	github, real-world, benchmark		990	1493
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		1016	1519
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	1050	1553
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	1103	1606
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				1195	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
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		1163	1666
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		1084	1587
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		1030	1533
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	1230	1733
ZouZ20 [669]	10	resource, activity, task, order, scheduling, precedence, completion-time, distributed		cumulative, endBeforeStart, noOverlap, span constraint		Cplex, OPL	pipeline		benchmark		1051	1554
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	1174	1677
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		1164	1667
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		1064	1567
abs-1902-01193 [14]	9	order, resource, activity, BOM, task, scheduling			C++, Prolog, Python	Ilog Solver, CHIP, OPL	medical, nurse			time-tabling	1065	1568
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		1066	1569

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	1067	1570
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		1031	1534
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		1017	1520
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		992	1495
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		993	1496
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		994	1497
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		967	1470

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							965	1303
PrataAN23 PrataAN23 [509]	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	-	benchmark, real-world, real-life	1	-		-	-	survey	-	966	1402
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	967	1467
AbreuNP23 AbreuNP23 [168]	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	?	real-world, benchmark	10	?		?	?	?	?	968	1242
AbreuPNF23 AbreuPNF23 [3]	A constraint programming-based iterated greedy algorithm for the open shop with sequence-dependent processing times and makespan minimization			0							969	No
Adelgren2023 Adelgren2023 [7]	On the utility of production scheduling formulations including record keeping variables			0							970	No
AfsarVPG23 AfsarVPG23 [8]	Mathematical models and benchmarking for the fuzzy job shop scheduling problem			0							971	No
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	-	972	1244
AlfieriGPS23 AlfieriGPS23 [15]	Permutation flowshop problems minimizing core waiting time and core idle time		benchmark	0							973	1245
Caballero23 Caballero23 [127]	Scheduling through logic-based tools	SAT		1	-		-	PhD Thesis	RCPSP	-	974	1281
CzerniachowskaWZ23 CzerniachowskaWZ23 [159]	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations		benchmark, Roadef, real-world	0							975	1289
FahimiQ23 FahimiQ23 [207]	Overload-Checking and Edge-Finding for Robust Cumulative Scheduling			0							976	No
Fatemi-AnarakiTFV23 Fatemi-AnarakiTFV23 [212]	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches			0							977	No
GhasemiMH23 GhasemiMH23 [242]	Operating room scheduling by emphasising human factors and dynamic decision-making styles: a constraint programming method			0							978	No
GuoZ23 GuoZ23 [269]	Capacity reservation for humanitarian relief: A logic-based Benders decomposition method with subgradient cut			0							979	No
GurPAE23 GurPAE23 [270]	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Cplex	real-life	0	n		n	-	-	-	980	1314
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	4	y		y	-	HFSP	alternative endBeforeStart noOverlap cumulative	981	1334
JuvinHL23a JuvinHL23a [331]	Logic-based Benders decomposition for the preemptive flexible job-shop scheduling problem			0							982	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
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	983	1353
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	984	1378
MontemanniD23a MontemanniD23a [446]	Constraint programming models for the parallel drone scheduling vehicle routing problem	OR-Tools	benchmark	0	ref		n	-	PDSTSP	circuit multipleCircuit	985	1379
NaderiRR23 NaderiRR23 [460]	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook		github, benchmark	8							986	1382
NouriMHD23 NouriMHD23 [604]	Production scheduling in a reconfigurable manufacturing system benefiting from human-robot collaboration			0							987	No
PenzDN23 PenzDN23 [495]	Minimizing the sum of completion times on a single machine with health index and flexible maintenance operations			0							988	No
ShaikhK23 ShaikhK23 [547]	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	?	benchmark, real-world	2	?		?	?	?	?	989	1416
YuraszeckMCCR23 YuraszeckMCCR23 [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	990	1446
ZhuSZW23 ZhuSZW23 [666]	Constraint programming and logic-based Benders decomposition for the integrated process planning and scheduling problem			0							991	No
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	992	1464
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	993	1465
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	994	1466
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	995	1241
BourreauGGLT22 BourreauGGLT22 [118]	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)		real-world, benchmark	2							996	1279
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	997	1282

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
ColT22 ColT22 [160]	Industrial-size job shop scheduling with constraint programming		generated instance, supplementary material, github, real-life, benchmark, real-world	4							998	1288
ElciOH22 ElciOH22 [195]	Stochastic Planning and Scheduling with Logic-Based Benders Decomposition			0							999	No
EmdeZD22 EmdeZD22 [199]	Point-to-point and milk run delivery scheduling: models, complexity results, and algorithms based on Benders decomposition		github, random instance	7							1000	1293
EtminaniesfahaniGNMS22 Etminaniesfahani GNMS22 [202]	A Forward–Backward Relax-and-Solve Algorithm for the Resource-Constrained Project Scheduling Problem		real-world	0							1001	1295
FarsiTM22 FarsiTM22 [211]	Integrated surgery scheduling by constraint programming and meta-heuristics		supplementary material	10							1002	1301
FetgoD22 FetgoD22 [214]	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited		benchmark, real-world	7							1003	1302
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							1004	1323
HillBCGN22 HillBCGN22 [301]	Optimization Strategies for Resource-Constrained Project Scheduling Problems in Underground Mining			0							1005	No
JuvinHL22 JuvinHL22 [329]	Logic-Based Benders Decomposition for the Preemptive Flexible Job-Shop Scheduling Problem		benchmark	0							1006	1337
MartnezAJ22 MartnezAJ22 [428]	Logic-Based Benders Decomposition for Integrated Process Configuration and Production Planning Problems			0							1007	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							1008	1380
NaderiBZ22 NaderiBZ22 [457]	Integrated Order Acceptance and Resource Decisions Under Uncertainty: Robust and Stochastic Approaches		benchmark, real-life	0							1009	1381
NaderiBZ22a NaderiBZ22a [456]	Type-2 integrated process-planning and scheduling problem: Reformulation and solution algorithms			0							1010	No
NaderiR22 NaderiR22 [458]	Critical-Path-Search Logic-Based Benders Decomposition Approaches for Flexible Job Shop Scheduling			0							1011	No
PohlAK22 PohlAK22 [502]	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach		benchmark, real-world	2							1012	1399
ShiYXQ22 ShiYXQ22 [549]	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach			0							1013	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							1014	1423

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
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							1015	1445
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							1016	1447
abs-2211-14492 abs-2211-14492 [566]	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling		benchmark, random instance, generated instance	1							1017	1463
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							1018	1239
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							1019	1240
Bedhief21 Bedhief21 [74]	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines		real-life	0							1020	1264
CarlierSJP21 CarlierSJP21 [136]	A faster checker of the energetic reasoning for the cumulative scheduling problem			0							1021	No
FanXG21 FanXG21 [210]	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints		benchmark	0							1022	1300
HamPK21 HamPK21 [275]	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming		benchmark, github	4							1023	1319
HubnerGSV21 HubnerGSV21 [318]	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics		benchmark, real-life	4							1024	1333
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	1025	1342
NaderiRBAU21 NaderiRBAU21 [459]	Increased Surgical Capacity without Additional Resources: Generalized Operating Room Planning and Scheduling			0							1026	No
PandeyS21a PandeyS21a [489]	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization		benchmark	1							1027	1396
QinWSLS21 QinWSLS21 [511]	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint			0							1028	1404

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
VlkHT21 VlkHT21 [623]	Constraint programming approaches to joint routing and scheduling in time-sensitive networks		industrial partner, random instance, github, benchmark	0							1029	1438
ZhangYW21 ZhangYW21 [659]	A graph-based constraint programming approach for the integrated process planning and scheduling problem		benchmark	0							1030	1453
abs-2102-08778 abs-2102-08778 [155]	Large-Scale Benchmarks for the Job Shop Scheduling Problem		generated instance, benchmark, real-life, real-world	0							1031	1462
AlizdehS20 AlizdehS20 [16]	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming			0							1032	No
AntunesABD20 AntunesABD20 [20]	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting		real-world, industrial partner	1							1033	1246
AstrandJZ20 AstrandJZ20 [38]	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search		benchmark, real-world, real-life	0							1034	1248
BadicaBI20 BadicaBI20 [39]	Block structured scheduling using constraint logic programming		real-world, benchmark	5							1035	1249
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				1036	1269
CauwelaertDS20 CauwelaertDS20 [142]	An Efficient Filtering Algorithm for the Unary Resource Constraint with Transition Times and Optional Activities		benchmark, real-life, bitbucket, generated instance	2							1037	1284
FallahiAC20 FallahiAC20 [209]	Tabu search and constraint programming-based approach for a real scheduling and routing problem		github, real-life	0							1038	1299
GuoHLW20 GuoHLW20 [268]	Logic-based Benders decomposition for gantry crane scheduling with transferring position constraints in a rail–road container terminal			0							1039	No
HauderBRPA20 HauderBRPA20 [283]	Resource-constrained multi-project scheduling with activity and time flexibility			0							1040	No
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							1041	1366
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							1042	1370
MengZRZL20 MengZRZL20 [435]	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem		supplementary material, benchmark	0							1043	1373
MokhtarzadehTNF20 Mokhtarzade-hTNF20 [443]	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach		generated instance, real-world	12							1044	1377
Polo-MejiaALB20 Polo-MejiaALB20 [503]	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility		Roadef, github	2							1045	1400

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
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							1046	1403
RoshanaeiBAUB20 RoshanaeiBAUB20 [521]	Branch-and-check methods for multi-level operating room planning and scheduling			0							1047	No
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							1048	1408
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		1049	1440
ZarandiASC20 ZarandiASC20 [654]	A state of the art review of intelligent scheduling		real-world, benchmark, real-life	0							1050	1448
ZouZ20 ZouZ20 [669]	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic		benchmark	3							1051	1455
ArkhipovBL19 ArkhipovBL19 [25]	An efficient pseudo-polynomial algorithm for finding a lower bound on the makespan for the Resource Constrained Project Scheduling Problem			0							1052	No
EdwardsBSE19 EdwardsBSE19 [193]	Symmetry breaking of identical projects in the high-multiplicity RCPSP/max			0							1053	No
EscobetPQPRA19 EscobetPQPRA19 [201]	Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach			1							1054	1294
GurEA19 GurEA19 [670]	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study		real-life	11							1055	1313
HoundjiSW19 HoundjiSW19 [316]	The item dependent stockingcost constraint		benchmark, random instance, bitbucket	2							1056	1332
NattafDYW19 NattafDYW19 [465]	Parallel machine scheduling with time constraints on machine qualifications			0							1057	No
NattafHKAL19 NattafHKAL19 [466]	Polyhedral results and valid inequalities for the continuous energy-constrained scheduling problem		real-life, benchmark	0							1058	1386
NishikawaSTT19 NishikawaSTT19 [472]	A Constraint Programming Approach to Scheduling of Malleable Tasks		real-world, benchmark	0							1059	1387
Novas19 Novas19 [474]	Production scheduling and lot streaming at flexible job-shops environments using constraint programming		benchmark	0							1060	1389
WariZ19 WariZ19 [631]	A Constraint Programming model for food processing industry: a case for an ice cream processing facility			0							1061	No
WikarekS19 WikarekS19 [634]	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems			0							1062	1442
YounespourAKE19 YounespourAKE19 [645]	Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy		real-life, real-world	6							1063	1444

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
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							1064	1458
abs-1902-01193 abs-1902-01193 [14]	Solving Nurse Scheduling Problem Using Constraint Programming Technique			0							1065	1459
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							1066	1460
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							1067	1461
BaptisteB18 BaptisteB18 [46]	Redundant cumulative constraints to compute preemptive bounds			1							1068	1253
BorghesiBLMB18 BorghesiBLMB18 [115]	Scheduling-based power capping in high performance computing systems		benchmark, real-life	3							1069	1278
CauwelaertLS18 CauwelaertLS18 [141]	How efficient is a global constraint in practice? - A fair experimental framework		bitbucket, benchmark	1							1070	1285
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	1071	1297
GedikKEK18 GedikKEK18 [233]	A constraint programming approach for solving unrelated parallel machine scheduling problem		benchmark	9							1072	1306
GokgurHO18 GokgurHO18 [249]	Parallel machine scheduling with tool loading: a constraint programming approach		real-life, real-world	9							1073	1308
GoldwaserS18 GoldwaserS18 [251]	Optimal Torpedo Scheduling		instance generator, github, benchmark, generated instance	0							1074	1309
GombolayWS18 GombolayWS18 [253]	Fast Scheduling of Robot Teams Performing Tasks With Temporospatial Constraints			0							1075	No
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							1076	1317
Ham18a Ham18a [274]	Scheduling of Dual Resource Constrained Lithography Production: Using CP and MIP/CP			0							1077	No
KreterSSZ18 KreterSSZ18 [364]	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems		benchmark	6							1078	1348
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	-		-	-	-	-	1079	1352
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							1080	1401

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
ShinBBHO18 ShinBBHO18 [550]	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling		github, real-world	4							1081	1417
TangLWSK18 TangLWSK18 [574]	Scheduling Optimization of Linear Schedule with Constraint Programming			0							1082	1425
TranPZLDB18 TranPZLDB18 [597]	Multi-stage resource-aware scheduling for data centers with heterogeneous servers		benchmark, generated instance	2							1083	1433
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							1084	1452
GomesM17 GomesM17 [255]	Improved Combinatorial Benders Decomposition for a Scheduling Problem with Unrelated Parallel Machines			1							1085	1310
HookerH17 HookerH17 [314]	Constraint programming and operations research		real-world, real-life	1							1086	1330
KreterSS17 KreterSS17 [363]	Using constraint programming for solving RCPSP/max-cal	MiniZinc Chuffed Cplex	benchmark	5	dead			[362]	RCPSP	cumulative cumulativeCalend	1087	1347
NattafAL17 NattafAL17 [463]	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Cplex	real-world	2	n		n	-	CECSP	-	1088	1384
RoshanaeiLAU17 RoshanaeiLAU17 [522]	Propagating logic-based Benders' decomposition approaches for distributed operating room scheduling			0							1089	No
RoshanaeiLAU17a RoshanaeiLAU17a [523]	Collaborative Operating Room Planning and Scheduling			0							1090	No
TranVNB17 TranVNB17 [599]	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots		real-world	0							1091	1434
BlomPS16 BlomPS16 [100]	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods		industry partner, benchmark	0							1092	1274
Bonfietti16 Bonfietti16 [106]	A constraint programming scheduling solver for the MPOpt programming environment		benchmark	10							1093	1276
BridiBLMB16 BridiBLMB16 [120]	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines		real-world, real-life	0							1094	1280
CireCH16 CireCH16 [150]	Logic-based Benders decomposition for planning and scheduling: a computational analysis			0							1095	No
DoulabiRP16 DoulabiRP16 [190]	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling		real-world, generated instance	3							1096	1292
HamC16 HamC16 [276]	Flexible job shop scheduling problem with parallel batch processing machines: MIP and CP approaches		benchmark	2							1097	1318
HebrardHJMPV16 HebrardHJMPV16 [286]	Approximation of the parallel machine scheduling problem with additional unit resources		industrial partner	0							1098	1321
KuB16 KuB16 [365]	Mixed Integer Programming models for job shop scheduling: A computational analysis		benchmark	4							1099	1349
NattafALR16 NattafALR16 [464]	Energetic reasoning and mixed-integer linear programming for scheduling with a continuous resource and linear efficiency functions		generated instance	1							1100	1385

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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							1101	1388
TranAB16 TranAB16 [594]	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups		benchmark	0							1102	1432
ZarandiKS16 ZarandiKS16 [653]	A constraint programming model for the scheduling of JIT cross-docking systems with preemption		real-world	0							1103	1449
BajestaniB15 BajestaniB15 [43]	A two-stage coupled algorithm for an integrated maintenance planning and flowshop scheduling problem with deteriorating machines		real-world	0							1104	1251
EvenSH15a EvenSH15a [204]	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling		real-world, real-life	2							1105	1296
GoelSHFS15 GoelSHFS15 [248]	Constraint programming for LNG ship scheduling and inventory management			0							1106	1307
GrimesH15 GrimesH15 [258]	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search		real-world, benchmark	0							1107	1311
Kameugne15 Kameugne15 [334]	Propagation techniques of resource constraint for cumulative scheduling	-		2	-		-	PhDThesis	RCPSP		1108	1338
LetortCB15 LetortCB15 [385]	Synchronized sweep algorithms for scalable scheduling constraints	Choco SICStus	generated instance, Roadef, benchmark, random instance	4	dead		-	[384]	-	cumulative dimCumulative dimCumulativePr	1109	1355
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		1110	1383
SchnellH15 SchnellH15 [533]	On the efficient modeling and solution of the multi-mode resource-constrained project scheduling problem with generalized precedence relations		real-life, benchmark, supplementary material	3							1111	1413
Siala15 Siala15 [551]	Search, propagation, and learning in sequencing and scheduling problems	-	benchmark	2	-		-	PhD Thesis			1112	1418
SimoninAHL15 SimoninAHL15 [555]	Scheduling scientific experiments for comet exploration	MOST Ilog Scheduler		0	n		n	[554]		cumulative dataTransfer	1113	1419
WangMD15 WangMD15 [630]	Scheduling operating theatres: Mixed integer programming vs. constraint programming		real-life, real-world	2							1114	1441
BlomBPS14 BlomBPS14 [99]	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines		benchmark, industry partner	0							1115	1273
BonfiettiLBM14 BonfiettiLBM14 [109]	CROSS cyclic resource-constrained scheduling solver		real-world, generated instance, industrial instance, benchmark	0							1116	1277
GrimesIOS14 GrimesIOS14 [260]	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling		real-world, real-life	9							1117	1312
HarjunkoskiMBC14 HarjunkoskiMBC14 [279]	Scope for industrial applications of production scheduling models and solution methods			0							1118	No
KameugneFSN14 KameugneFSN14 [338]	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Gecode	random instance, benchmark	2	y			[337]	CuSP	cumulative	1119	1339

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NovasH14 NovasH14 [477]	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming		benchmark	0							1120	1392
TerekhovTDB14 TerekhovTDB14 [581]	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems		real-world	0							1121	1427
ThiruvadyWGS14 ThiruvadyWGS14 [585]	A Lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows		benchmark	0							1122	1428
BajestaniB13 BajestaniB13 [42]	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources			0							1123	1250
BegB13 BegB13 [75]	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures		benchmark	0							1124	1265
HeinzSB13 HeinzSB13 [294]	Using dual presolving reductions to reformulate cumulative constraints	Cplex SCIP	benchmark	1	ref		-	-	RCPSP RCPSP/max	cumulative	1125	1324
LombardiMB13 LombardiMB13 [407]	Robust Scheduling of Task Graphs under Execution Time Uncertainty			0							1126	No
MenciaSV13 MenciaSV13 [434]	Intensified iterative deepening A* with application to job shop scheduling		real-life, supplementary material, benchmark	0							1127	1372
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	1128	1395
SchuttFSW13 SchuttFSW13 [541]	Solving RCPSP/max by lazy clause generation		benchmark, supplementary material	6							1129	1415
GuyonLPR12 GuyonLPR12 [271]	Solving an integrated job-shop problem with human resource constraints		generated instance, instance generator, benchmark	0							1130	1315
HeinzSSW12 HeinzSSW12 [292]	Solving steel mill slab design problems		real-world, CSPlib	2	Cplex		dead	-	SMSDP	-	1131	1325
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		-	-			1132	1358
LombardiM12 LombardiM12 [405]	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	-	real-world, benchmark	0	-		-	-	survey	-	1133	1360
LombardiM12a LombardiM12a [404]	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling		benchmark	1							1134	1361
MalapertCGJLR12 MalapertCGJLR12 [421]	An Optimal Constraint Programming Approach to the Open-Shop Problem			0							1135	No
MenciaSV12 MenciaSV12 [433]	Depth-first heuristic search for the job shop scheduling problem		real-life, benchmark	1							1136	1371
NovasH12 NovasH12 [476]	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations			0							1137	1391
TerekhovDOB12 TerekhovDOB12 [580]	Solving two-machine assembly scheduling problems with inventory constraints		real-life	2							1138	1426
ZarandiB12 ZarandiB12 [213]	Using Logic-Based Benders Decomposition to Solve the Capacity- and Distance-Constrained Plant Location Problem			0							1139	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
BandaSC11 BandaSC11 [170]	Solving Talent Scheduling with Dynamic Programming		random instance, benchmark, CSPlib	0							1140	1252
BartakS11 BartakS11 [57]	Constraint satisfaction for planning and scheduling problems	-	random instance, real-world, real-life	2	-		-		survey		1141	1256
BeckFW11 BeckFW11 [66]	Combining Constraint Programming and Local Search for Job-Shop Scheduling		real-world, benchmark	0							1142	1261
BeldiceanuCDP11 BeldiceanuCDP11 [80]	New filtering for the *cumulative* constraint in the context of non-overlapping rectangles		benchmark	1							1143	1267
BeniniLMR11 BeniniLMR11 [90]	Optimal resource allocation and scheduling for the CELL BE platform		benchmark, real-world, instance generator	0							1144	1270
CobanH11 CobanH11 [153]	Single-facility scheduling by logic-based Benders decomposition		random instance	0							1145	1287
EdisO11a EdisO11a [192]	A combined integer/constraint programming approach to a resource-constrained parallel machine scheduling problem with machine eligibility restrictions			0							1146	No
HachemiGR11 HachemiGR11 [272]	A hybrid constraint programming approach to the log-truck scheduling problem			1							1147	1316
HeckmanB11 HeckmanB11 [289]	Understanding the behavior of Solution-Guided Search for job-shop scheduling		benchmark, real-world	0							1148	1322
KelbelH11 KelbelH11 [341]	Solving production scheduling with earliness/tardiness penalties by constraint programming		benchmark, random instance, generated instance	3							1149	1340
KovacsB11 KovacsB11 [356]	A global constraint for total weighted completion time for unary resources	Ilog Scheduler	benchmark	2	n		n	-		Completion	1150	1345
KovacsK11 KovacsK11 [358]	Constraint programming approach to a bilevel scheduling problem	Ilog Solver		2	n		n	-	Bilevel Opt		1151	1346
SchausHMCMD11 SchausHMCMD11 [531]	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Comet	benchmark, CSPlib, generated instance	3	dead				SMSDP		1152	1411
SchuttFSW11 SchuttFSW11 [540]	Explaining the cumulative propagator	MiniZinc	benchmark, real-world	7	PSPLib		-	-	RCPSP	cumulative	1153	1414
TopaloguO11 TopaloguO11 [590]	A constraint programming-based solution approach for medical resident scheduling problems		real-life	2							1154	1430
TrojetHL11 TrojetHL11 [602]	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework		real-world	2							1155	1435
BartakCS10 BartakCS10 [56]	Discovering implied constraints in precedence graphs with alternatives		benchmark, real-life, real-world	3							1156	1255
BartakSR10 BartakSR10 [58]	New trends in constraint satisfaction, planning, and scheduling: a survey		real-life, real-world	0							1157	1257
ChenGPSH10 ChenGPSH10 [146]	Technology and system of constraint programming for industry production scheduling — Part I: A brief survey and potential directions		real-life	0							1158	1286
LombardiM10a LombardiM10a [402]	Allocation and scheduling of Conditional Task Graphs		real-world, benchmark, real-life	3							1159	1359

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
LombardiMRB10 LombardiMRB10 [408]	Stochastic allocation and scheduling for conditional task graphs in multi-processor systems-on-chip		real-life, benchmark, real-world	15							1160	1362
LopesCSM10 LopesCSM10 [409]	A hybrid model for a multiproduct pipeline planning and scheduling problem	Ilog Solver	benchmark, real-world	2	-		-	[450, 449]			1161	1363
NovasH10 NovasH10 [475]	Reactive scheduling framework based on domain knowledge and constraint programming			0							1162	1390
ZeballosQH10 ZeballosQH10 [656]	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations		benchmark, real-world	4							1163	1451
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							1164	1457
BidotVLB09 BidotVLB09 [94]	A theoretic and practical framework for scheduling in a stochastic environment		real-world, real-life	0							1165	1272
BocewiczBB09 BocewiczBB09 [101]	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling			0							1166	1275
CarchraeB09 CarchraeB09 [131]	Principles for the Design of Large Neighborhood Search		benchmark, real-world	2							1167	1283
GarridoAO09 GarridoAO09 [227]	A constraint programming formulation for planning: from plan scheduling to plan generation		benchmark	8							1168	1304
Jans09 Jans09 [324]	Solving Lot-Sizing Problems on Parallel Identical Machines Using Symmetry-Breaking Constraints		benchmark	27							1169	1336
MilanoW09 MilanoW09 [441]	Integrating Operations Research in Constraint Programming		benchmark	7							1170	1376
OhrimenkoSC09 OhrimenkoSC09 [483]	Propagation via lazy clause generation		benchmark	8							1171	1394
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							1172	1407
WuBB09 WuBB09 [643]	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints		real-world	0							1173	1443
abs-0907-0939 abs-0907-0939 [499]	The Soft Cumulative Constraint		real-world	0							1174	1456
GarridoOS08 GarridoOS08 [228]	Planning and scheduling in an e-learning environment. A constraint-programming-based approach		real-world	0							1175	1305
KovacsB08 KovacsB08 [355]	A global constraint for total weighted completion time for cumulative resources		benchmark	0							1176	1344
LiW08 LiW08 [386]	Scheduling projects with multi-skilled personnel by a hybrid MILP/CP benders decomposition algorithm		real-world	1							1177	1356
LiessM08 LiessM08 [388]	A constraint programming approach for the resource-constrained project scheduling problem		benchmark	0							1178	1357
MalikMB08 MalikMB08 [425]	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming		benchmark	0							1179	1367
MercierH08 MercierH08 [436]	Edge Finding for Cumulative Scheduling			0							1180	1374
Beck07 Beck07 [64]	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling		benchmark	0							1181	1258

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Related To	Classification	Constraints	a	b
BeckW07 BeckW07 [73]	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations		benchmark	0							1182	1263
CorreaLR07 CorreaLR07 [158]	Scheduling and routing of automated guided vehicles: A hybrid approach			0							1183	No
Hooker07 Hooker07 [309]	Planning and Scheduling by Logic-Based Benders Decomposition		random instance, generated instance	0							1184	1329
Rodriguez07 Rodriguez07 [520]	A constraint programming model for real-time train scheduling at junctions		real-life	2							1185	1405
Simonis07 Simonis07 [559]	Models for Global Constraint Applications	CHIP		0	n		n			cumulative diffn cycle inverse	1186	1420
Hooker06 Hooker06 [308]	An Integrated Method for Planning and Scheduling to Minimize Tardiness	OPL Cplex Ilog Scheduler	random instance	2	n		n	[307]	CuSP	cumulative	1187	1328
KhayatLR06 KhayatLR06 [343]	Integrated production and material handling scheduling using mathematical programming and constraint programming		real-life, benchmark	1							1188	1341
MilanoW06 MilanoW06 [440]	Integrating operations research in constraint programming		benchmark	0							1189	1375
SadykovW06 SadykovW06 [528]	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates		generated instance	1							1190	1409
SureshMOK06 SureshMOK06 [568]	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach			0							1191	1424
DemasseyAM05 DemasseyAM05 [176]	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem			0							1192	No
Hooker05 Hooker05 [306]	A Hybrid Method for the Planning and Scheduling	OPL Cplex Ilog Scheduler	random instance	0	n		n	[305]	CuSP	cumulative	1193	1327
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	1194	1437
ZeballosH05 ZeballosH05 [655]	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources			0							1195	1450
PoderBS04 PoderBS04 [501]	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption			0							1196	1398
BeckR03 BeckR03 [70]	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs		benchmark	0							1197	1262
HookerO03 HookerO03 [313]	Logic-based Benders decomposition		generated instance	0							1198	1331
KuchcinskiW03 KuchcinskiW03 [366]	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming		benchmark	0							1199	1350
Laborie03 Laborie03 [369]	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results		benchmark	0							1200	1351
Tsang03 Tsang03 [603]	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems		real-life	0							1201	1436

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HarjunkoskiG02 HarjunkoskiG02 [278]	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods			0							1202	1320
LorigeonBB02 LorigeonBB02 [411]	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint			0							1203	1365
MilanoORT02 MilanoORT02 [439]	The Role of Integer Programming Techniques in Constraint Programming's Global Constraints			0							1204	No
RodriguezDG02 RodriguezDG02 [519]	Railway infrastructure saturation using constraint programming approach			0							1205	1406
Timpe02 Timpe02 [588]	Solving planning and scheduling problems with combined integer and constraint programming			0							1206	1429
JainG01 JainG01 [323]	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems			0							1207	1335
MartinPY01 MartinPY01 [427]	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application		real-life	0							1208	1368
Mason01 Mason01 [429]	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling			0							1209	1369
ArtiguesR00 ArtiguesR00 [33]	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes			0							1210	1247
BaptisteP00 BaptisteP00 [49]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	CLAIRE	benchmark	0	n		n		RCCSP	cumulative	1211	1254
BeckF00 BeckF00 [68]	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics		real-world, benchmark	0							1212	1259
HeipckeCCS00 HeipckeCCS00 [297]	Scheduling under Labour Resource Constraints	COME SchedEns	benchmark, instance generator	0	dead		n	-			1213	1326
KorbaaYG00 KorbaaYG00 [352]	Solving Transient Scheduling Problems with Constraint Programming			0							1214	1343
LopezAKYG00 LopezAKYG00 [410]	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina			0							1215	1364
SakkoutW00 SakkoutW00 [529]	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Cplex ECLiPSe	benchmark, real-world	0	n		n	-	KRFP		1216	1410
SchildW00 SchildW00 [532]	Scheduling of Time-Triggered Real-Time Systems	OZ		0	n		n	-		disjunctive	1217	1412
SimonisCK00 SimonisCK00 [560]	Constraint Handling in an Integrated Transportation Problem			0							1218	1421
SourdN00 SourdN00 [563]	Multiple-Machine Lower Bounds for Shop-Scheduling Problems		real-life, benchmark	1							1219	1422
TorresL00 TorresL00 [591]	On Not-First/Not-Last conditions in disjunctive scheduling		benchmark	0							1220	1431
BensanaLV99 BensanaLV99 [91]	Earth Observation Satellite Management	Ilog Solver	benchmark	0	?		-	-			1221	1271
JainM99 JainM99 [322]	Deterministic job-shop scheduling: Past, present and future			0							1222	No
BeckF98 BeckF98 [67]	A Generic Framework for Constraint-Directed Search and Scheduling		real-world, benchmark	0							1223	1260
BelhadjiI98 BelhadjiI98 [83]	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	-	real-life	0	n		n	-	TCSP JSSP		1224	1268
NuijtenP98 NuijtenP98 [479]	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler		real-life	0							1225	1393

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
PapaB98 PapaB98 [492]	Resource Constraints for Preemptive Job-shop Scheduling	Ilog Solver Claire	benchmark	0	dead		-	-	PJSSP	disjunctive flow	1226	1397
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		1227	1290
FalaschiGMP97 FalaschiGMP97 [208]	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators			0							1228	1298
LammaMM97 LammaMM97 [377]	A distributed constraint-based scheduler		real-life	0							1229	1354
Zhou97 Zhou97 [663]	A Permutation-Based Approach for Solving the Job-Shop Problem	-	benchmark	0	n		n	[662]	JSSP	sort alldifferent permutation	1230	1454
BlazewiczDP96 BlazewiczDP96 [125]	The job shop scheduling problem: Conventional and new solution techniques			0							1231	No
NuijtenA96 NuijtenA96 [480]	A computational study of constraint satisfaction for multiple capacitated job shop scheduling			0							1232	No
Wallace96 Wallace96 [625]	Practical Applications of Constraint Programming	-		0	-		-	-	Survey	-	1233	1439
BeldiceanuC94 BeldiceanuC94 [78]	Introducing Global Constraints in CHIP		real-world, real-life, benchmark	0							1234	1266
Pape94 Pape94 [490]	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems			0							1235	No
AggounB93 AggounB93 [9]	Extending CHIP in order to solve complex scheduling and placement problems		real-world	0							1236	1243
Tay92 Tay92 [578]	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling			0							1237	No
DincbasSH90 DincbasSH90 [184]	Solving Large Combinatorial Problems in Logic Programming		real-life	0							1238	1291

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], SzerediS16 [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], BartoliniBBLM14 [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], He0GLW18 [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], DoomsH08 [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], BertholdHLMS10 [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], DomdorfPH03 [185], DorndorfPH99 [188], DorndorfHP99 [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 Demassey	5	82	HermenierDL11 [300], BeldiceanuCDP11 [80], NeronABCDD06 [481], DemasseyAM05 [176], Demassey03 [175]
Ignacio E. Grossmann	5	844	HarjunkoskiMBC14 [279], CastroGR10 [138], MaraveliasG04 [426], HarjunkoskiG02 [278], JainG01 [323]
Hanyu Gu	5	39	EtminaniesfahaniGNMS22 [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 Guéret	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]
Tamás 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-Noël 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], ClercqPBJ11 [151], abs-0907-0939 [499]
Cédric 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]
József Váncza	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 Hoeve	4	50	GilesH16 [243], GoelSHFS15 [248], HoeveGSL07 [609], GomesHS06 [254]
Max Åstrand	4	27	Astrand0F21 [36], Astrand21 [35], AstrandJZ20 [38], AstrandJZ18 [37]
Miguel A. Salido	3	45	BartakS11 [57], BartakSR10 [58], AbrilSB05 [4]
Laurence A. Wolsey	3	50	HoundjiSW19 [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]
Sévérine 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	AlfieriGPS23 [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	Astrand0F21 [36], AstrandJZ20 [38], AstrandJZ18 [37]
Ouajdi Korbaa	3	8	KorbaaYG00 [352], LopezAKYG00 [410], KorbaaYG99 [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], BertholdHLMS10 [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]
Gérard 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	KorbaaYG00 [352], LopezAKYG00 [410], KorbaaYG99 [351]
Alessandro Zanarini	3	25	AstrandJZ20 [38], AstrandJZ18 [37], BonfiettiZLM16 [113]
Luis Zeballos	3	35	ZeballosQH10 [656], ZeballosH05 [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]

Table 8: Co-Authors of Articles/Papers

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]
Youcheu 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 Onaindia	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], DorndorfHP99 [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	ZeballosQH10 [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]

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Author	Nr Works	Nr Cites	Entries
Erich Teppan	2	3	abs-2102-08778 [155], FriedrichFMRSST14 [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	ValleMGT03 [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]
Arezoo 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 Battaïa	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	BourreauGGLT22 [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]

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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	HoYCLLCLC18 [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	HoYCLLCLC18 [303]
Yeonjun Choi	1	0	KimCMLLP23 [345]
Yingyi Chu	1	13	ChuX05 [148]
Sue-Min Chu	1	2	HoYCLLCLC18 [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	ValleMGT03 [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]

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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 Domdorf	1	0	DomdorfPH03 [185]
Wolfgang Domschke	1	344	BlazewiczDP96 [125]
Grégoire Dooms	1	1	DoomsH08 [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	FriedrichFMRSST14 [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	FriedrichFMRSST14 [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	HoYCLLCLC18 [303]
Petra Hofstedt	1	1	LiuLH19 [395]
Markó Horváth	1	5	NattafHKAL19 [466]
Mohammad Hossein Fazel Zarandi	1	55	ZarandiASC20 [654]
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 Jozefowiez	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	HoYCLLCLC18 [303]
Jui-Fen Lai	1	2	HoYCLLCLC18 [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	HoYCLLCLC18 [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]

Table 8: Co-Authors of Articles/Papers

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	AkramNHRSA23 [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	ValleMGT03 [605]
Jose M. Framinan	1	0	AbreuPNF23 [3]
Andy M. Ham	1	50	HamC16 [276]
Mohammad M. Fazel-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]
Hacı Mehmet Alakaş	1	0	GurEA19 [670]
Sebastian Meiswinkel	1	0	WinterMMW22 [635]
Gonzalo Mejía	1	6	YuraszeckMPV22 [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	FriedrichFMRSST14 [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	YuraszeckMCCR23 [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 Murín	1	2	MurinR19 [452]
Nicola Muscettola	1	14	Muscettola02 [454]

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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]
Éric 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]

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Author	Nr Works	Nr Cites	Entries
Marc Porcheron	1	8	KhemmoudjPB06 [344]
Marc Pouly	1	2	KoehlerBFFHPSSS21 [348]
Guillaume Povéda	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	QinWSLS21 [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	DavenportKRSH07 [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 Rodriguez	1	117	Rodriguez07 [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	FriedrichFMRSST14 [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 Sahli	1	3	CarlierSJP21 [136]
Poonam Saini	1	3	PandeyS21a [489]

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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	FriedrichFMRSST14 [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 Schwiegelshohn	1	4	LimtanyakulS12 [393]
Lena Secher Ejlertsen	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	QinWSLS21 [511]
Leyuan Shi	1	12	QinWSLS21 [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	FriedrichFMRSST14 [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]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Ria Szeredi	1	9	SzerediS16 [570]
Alina Sîrbu	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	BourreauGGLT22 [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]
Touraïvane	1	2	Touraivane95 [593]
Hélène 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. Moccellin	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 Vilà	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 Wessén	1	2	WessenCS20 [633]
Radosław Wichniarek	1	0	CzerniachowskaWZ23 [159]
Jaroslaw 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]

Table 8: Co-Authors of Articles/Papers

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	HoYCLLCLC18 [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	No	[322]	1999	European Journal of Operational Research	null	490	150	No	1725
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	No	[279]	2014	Computers Chemical Engineering	null	381	176	No	1621
BlazewiczDP96 BlazewiczDP96	J. Błażewicz, W. Domschke, E. Pesch	The job shop scheduling problem: Conventional and new solution techniques	No	[125]	1996	European Journal of Operational Research	null	344	127	No	1734
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[313]	2003	Mathematical Programming	28	317	0	1331	1701
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	1335	1710
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	1243	1739
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	1329	1687
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	1320	1705
BeldiceanuC94 BeldiceanuC94	N. Beldiceanu, E. Contejean	Introducing Global Constraints in CHIP	Yes	[78]	1994	Mathematical and Computer Modelling	27	167	8	1266	1737
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	1352	1582
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	1351	1703
OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[483]	2009	Constraints An Int. J.	35	127	15	1394	1674
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	1349	1602
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	1405	1688
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	1356	1680
CorreaLR07 CorreaLR07	Ayoub Insa Corréa, A. Langevin, L. Rousseau	Scheduling and routing of automated guided vehicles: A hybrid approach	No	[158]	2007	Computers Operations Research	null	106	20	No	1686
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	1373	1546
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	Yes	[91]	1999	Constraints An Int. J.	7	99	0	1271	1724

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	No	[490]	1994	Intelligent Systems Engineering	1	98	0	No	1738
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[625]	1996	Constraints An Int. J.	30	87	55	1439	1736
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	1291	1741
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	1341	1691
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	1247	1713
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	1410	1719
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	1432	1605
GombolayWS18 GombolayWS18	Matthew C. Gombolay, Ronald J. Wilcox, Julie A. Shah	Fast Scheduling of Robot Teams Performing Tasks With Temporospatial Constraints	No	[253]	2018	IEEE Transactions on Robotics	null	71	75	No	1578
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[306]	2005	Constraints An Int. J.	17	68	11	1327	1696
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	596	933

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], 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], 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], AntunesABD18 [19], LaborieRSV18 [372]... (Total: 161)	YuraszeckMCCR23 [651], Bit-Monnot23 [96], 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], LombardiM13 [406], BonfiettiM12 [112], Clercq12 [169], ChapadosJR11 [145], Wolf11 [638], ZibranR11 [667], SchuttFSW09 [538], MilanoW09 [441], BeniniLMR08 [89], PoderB08 [500]... (Total: 46)	PrataAN23 [509], CzerniachowskaWZ23 [159], ShaikhK23 [547], 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], QinDCS20 [512], Mercier-AubinGQ20 [437], SacramentoSP20 [526], NishikawaSTT19 [472], abs-1902-01193 [14], Tom19 [589]... (Total: 87)
Concepts	batch process	LacknerMMWW23 [374], LacknerMMWW21 [373], QinWSLS21 [511], ZarandiASC20 [654], NovaraNH16 [473], HamC16 [276], KoschB14 [353], Malapert11 [420]	TangB20 [573], NovasH10 [475], Vilim02 [612], SimonisC95 [561]	PrataAN23 [509], IsikYA23 [321], YuraszeckMCCR23 [651], 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], LaborieRSV18 [372], Fahimi16 [205], CauwelaertDMS16 [140], Dejemeppe16 [172], Froger16 [222], BlomPS16 [100], GrimesH15 [258]... (Total: 34)
Concepts	bill of material			Simonis07 [559]
Concepts	buffer-capacity		SureshMOK06 [568]	LiFJZLL22 [387], OujanaAYB22 [487], RiahiNS018 [517], BonfiettiLBM14 [109], NovasH14 [477], TerekhovTDB14 [581], ZeballosH05 [655]
Concepts	cmax	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], Caballero19 [126], YounespourAKE19 [645]... (Total: 58)	Mehdizadeh-Somarin23 [430], BoudreaultSLQ22 [117], MullerMKP22 [451], ArmstrongGOS22 [27], HamPK21 [275], AbreuAPNM21 [166], 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], BofillCSV17 [103], SialaAH15 [553], SchnellH15 [533], KoschB14 [353], Letort13 [382], MalapertCGJLR13 [422], 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], AlfieriGPS23 [15], NaderiRR23 [460], KameugneFND23 [336], 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], ZarandiASC20 [654], Lunardi20 [414], YounespourAKE19 [645], FahimiOQ18 [206]... (Total: 79)	CzerniachowskaWZ23 [159], abs-2305-19888 [296], MullerMKP22 [451], ColT22 [160], Teppan22 [579], 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], OuelletQ18 [485], KreterSSZ18 [364]... (Total: 57)	abs-2402-00459 [469], TasselGS23 [576], MontemanniD23a [446], AkramNHRSA23 [13], IsikYA23 [321], abs-2306-05747 [577], PerezGSL23 [496], JuvinHHL23 [328], 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], MengZRZL20 [435], MokhtarzadehTNF20 [443], AntuoriHHEN20 [21], GodetLHS20 [247], SacramentoSP20 [526]... (Total: 103)
Concepts	continuous-process			FarsiTM22 [211], Dejemeppe16 [172], GaySS14 [232], Bartak02 [54], SimonisC95 [561]
Concepts	distributed	PrataAN23 [509], NaderiRR23 [460], Zahout21 [652], ZarandiASC20 [654], MengZRZL20 [435], He0GLW18 [284], TranPZLDB18 [597], 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], OujanaAYB22 [487], JungblutK22 [327], AbreuN22 [167], YuraszeckMPV22 [650], Godet21a [246], AbreuAPNM21 [166], MokhtarzadehTNF20 [443], ZouZ20 [669], Caballero19 [126], NishikawaSTT19 [472], BorghesiBLMB18 [115], ZhangW18 [660], GomesM17 [255], BlomPS16 [100], ZarandiKS16 [653], GrimesH15 [258], AlesioNBG14 [181], BlomBPS14 [99], TranTDB13 [598], BegB13 [75], Wolf11 [638], HermenierDL11 [300], LopesCSM10 [409], Lombardi10 [398], SunLYL10 [567], BeniniLMR08 [89]... (Total: 33)	ForbesHJST24 [217], YuraszeckMC23 [649], KimCMLLP23 [345], Bit-Monnot23 [96], AlfieriGPS23 [15], MontemanniD23 [447], abs-2305-19888 [296], SquillaciPR23 [564], GurPAE23 [270], AkramNHRSA23 [13], abs-2211-14492 [566], EmdeZD22 [199], NaderiBZ22 [457], ZhangBB22 [658], HeinzNVH22 [295], TouatBT22 [592], BoudreaultSLQ22 [117], Teppan22 [579], ColT22 [160], LiFJZLL22 [387], FarsiTM22 [211], WinterMMW22 [635], JuvinHL22 [329], HamPK21 [275], Astrand21 [35], GeibingerKKMMW21 [234], PandeyS21a [489], Groleaz21 [261], FanXG21 [210]... (Total: 129)
Concepts	due-date	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], 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], DoulabiRP14 [189], KoschB14 [353], HoundjiSWD14 [317], BajestaniB13 [42], TerekhovDOB12 [580], LimtanyakulS12 [393]... (Total: 54)	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: 44)	abs-2402-00459 [469], YuraszeckMC23 [649], KimCMLLP23 [345], JuvinHHL23 [328], ZhangJZL22 [657], SubulanC22 [565], TouatBT22 [592], YuraszeckMPV22 [650], MullerMKP22 [451], 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], LaborieRSV18 [372], Laborie18a [371]... (Total: 80)

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], 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], IsikYA23 [321], AlfieriGPS23 [15], LacknerMMWW23 [374], EtminaniesfahaniGNMS22 [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], BajestaniB13 [42], HeinzB12 [290], EdisO11 [191], KovacsK11 [358], ZeballosQH10 [656], NovasH10 [475]... (Total: 41)
Concepts	flow-shop	PrataAN23 [509], CzerniachowskaWZ23 [159], NaderiRR23 [460], AlfieriGPS23 [15], IsikYA23 [321], JuvinHL23 [330], AbreuNP23 [168], 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], BajestaniB15 [43]... (Total: 35)	Mehdizadeh-Somarin23 [430], NaderiBZ22 [457], YuraszeckMPV22 [650], JuvinHL22 [329], Godet21a [246], KoehlerBFFHPSSS21 [348], FanXG21 [210], TangB20 [573], abs-1902-09244 [282], LaborieRSV18 [372], Fahimi16 [205], Dejemeppe16 [172], GuyonLPR12 [271], GrimesH11 [257], KovacsB11 [356], BartakSR10 [58], AggounB93 [9]	TasselGS23 [576], AalianPG23 [1], YuraszeckMCCR23 [651], abs-2305-19888 [296], JuvinHHL23 [328], abs-2306-05747 [577], 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], ZarandiKS16 [653], Kameugne14 [333]... (Total: 59)
Concepts	flow-time	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	SubulanC22 [565], Astrand21 [35], German18 [240], GilesH16 [243], GoelSHFS15 [248], TerekhovDOB12 [580], SerraNM12 [546], LopesCSM10 [409], Jans09 [324], RossiTHP07 [524], Timpe02 [588], Beck99 [62], BeckDF97 [65]	EmdeZD22 [199], ZarandiASC20 [654], Novas19 [474], Hooker19 [312], BajestaniB13 [42], MakMS10 [419], LauLN08 [378], MouraSCL08a [449], DavenportKRSH07 [165], GarganiR07 [226], BeckF00 [68], Simonis99 [558], Simonis95a [556]	PrataAN23 [509], PerezGSL23 [496], abs-2312-13682 [497], AlfieriGPS23 [15], GurPAE23 [270], AbreuN22 [167], PohlAK22 [502], YunusogluY22 [648], Groleaz21 [261], HubnerGSV21 [318], KovacsTKSG21 [361], GroleazNS20a [262], GroleazNS20 [263], 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], KelarevaTK13 [340], HeinzSSW12 [292]... (Total: 47)

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], YuraszeckMC23 [649], AbreuNP23 [168], IsikYA23 [321], WangB23 [629], LacknerMMWW23 [374], Bit-Monnot23 [96], CzerniachowskaWZ23 [159], abs-2306-05747 [577], NaderiRR23 [460], JuvinHL23 [330], TasselGS23 [576], Mehdizadeh-Somarin23 [430], YuraszeckMCCR23 [651], LiFJZLL22 [387], TouatBT22 [592], YunusogluY22 [648], GeitzGSSW22 [238], EmdeZD22 [199], MullerMKP22 [451], WinterMMW22 [635], ArmstrongGOS22 [27], JuvinHL22 [329], OujanaAYB22 [487]... (Total: 244)	EfthymiouY23 [194], ShaikhK23 [547], abs-2305-19888 [296], HeinzNVH22 [295], BourreauGGLT22 [118], LuoB22 [416], HanenKP21 [277], Lemos21 [381], Mercier-AubinGQ20 [437], MokhtarzadehTNF20 [443], Tom19 [589], EscobetPQPRA19 [201], GurEA19 [670], German18 [240], PourDERB18 [505], CappartS17 [129], NattafAL17 [463], ZarandiKS16 [653], Madi-WambaB16 [417], TranWDRFOVB16 [601], CatusseCBL16 [139], LetortCB15 [385], Derrien15 [178], ZhouGL15 [664], PraletLJ15 [508], Kameugne14 [333], BonfiettiLBM14 [109], BonfiettiLM14 [111], ThiruvadyWGS14 [585]... (Total: 53)	PovedaAA23 [506], 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], HoYCLLCLC18 [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], DerrienPZ14 [180]... (Total: 80)
Concepts	job-shop	abs-2402-00459 [469], PrataAN23 [509], abs-2306-05747 [577], Mehdizadeh-Somarin23 [430], KimCMLLP23 [345], CzerniachowskaWZ23 [159], JuvinHHL23 [328], Bit-Monnot23 [96], NaderiRR23 [460], AbreuNP23 [168], YuraszeckMCCR23 [651], TasselGS23 [576], MullerMKP22 [451], Teppan22 [579], OujanaAYB22 [487], ZhangBB22 [658], abs-2211-14492 [566], YuraszeckMPV22 [650], LiFJZLL22 [387], GeitzGSSW22 [238], ColT22 [160], JuvinHL22 [329], Astrand21 [35], HamPK21 [275], KovacsTKSG21 [361], Groleaz21 [261], abs-2102-08778 [155], AbreuAPNM21 [166], FanXG21 [210]... (Total: 119)	IsikYA23 [321], EfthymiouY23 [194], AlfieriGPS23 [15], NaderiBZ22 [457], EtminaniesfahaniGNMS22 [202], TouatBT22 [592], YunusogluY22 [648], AbreuN22 [167], LuoB22 [416], QinWSLS21 [511], ArmstrongGOS21 [26], Astrand0F21 [36], KoehlerBFFHPSSS21 [348], Godet21a [246], GroleazNS20 [263], MejiaY20 [431], SacramentoSP20 [526], EscobetPQPRA19 [201], WikarekS19 [634], GokgurHO18 [249], German18 [240], MossigeGSMC17 [448], CappartS17 [129], Derrien15 [178], BonfiettiLM14 [111], Kameugne14 [333], GaySS14 [232], BonfiettiLBM14 [109], BajestaniB13 [42]... (Total: 49)	ForbesHJST24 [217], ShaikhK23 [547], YuraszeckMC23 [649], PovedaAA23 [506], LacknerMMWW23 [374], JuvinHL23 [330], EmdeZD22 [199], HanenKP21 [277], Lemos21 [381], Zahout21 [652], KlankeBYE21 [346], AntuoriHHEN21 [22], BenediktMH20 [86], WessenCS20 [633], AntuoriHHEN20 [21], Mercier-AubinGQ20 [437], WallaceY20 [627], Tom19 [589], Hooker19 [312], GurEA19 [670], FrimodigS19 [221], BogaerdtW19 [607], abs-1902-09244 [282], ParkUJR19 [493], BenediktSMVH18 [87], Ham18 [273], CauwelaertLS18 [141], Nattaf16 [461], TranWDRFOVB16 [601]... (Total: 95)
Concepts	lateness	Groleaz21 [261], FahimiOQ18 [206], Fahimi16 [205], Dejemeppe16 [172], KoschB14 [353], Malapert11 [420], BartakSR10 [58], Geske05 [241], Baptiste02 [44], ArtiguesR00 [33]	PrataAN23 [509], PohlAK22 [502], ZarandiASC20 [654], AntunesABD20 [20], ZhangW18 [660], 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], 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]
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], 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], BofillCSV17 [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], IsikYA23 [321], CzerniachowskaWZ23 [159], YuraszeckMCCR23 [651], AbreuNP23 [168], NaderiRR23 [460], TasselGS23 [576], Mehdizadeh-Somarin23 [430], AalianPG23 [1], JuvinHL23 [330], PerezGSL23 [496], JuvinHHL23 [328], abs-2312-13682 [497], LacknerMMWW23 [374], EfthymiouY23 [194], abs-2306-05747 [577], AlfieriGPS23 [15], YuraszeckMC23 [649], abs-2305-19888 [296], KimCMLLP23 [345], LiFJZLL22 [387], ArmstrongGOS22 [27], JungblutK22 [327], EmdeZD22 [199], abs-2211-14492 [566], JuvinHL22 [329], GeitzGSSW22 [238], YuraszeckMPV22 [650]... (Total: 238)	ForbesHJST24 [217], Bit-Monnot23 [96], AkramNHRSA23 [13], GurPAE23 [270], EtminaniesfahaniGNMS22 [202], LuoB22 [416], HillTV21 [302], KlankeBYE21 [346], Lemos21 [381], AbohashimaEG21 [2], 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], ZarandiKS16 [653], BlomPS16 [100]... (Total: 65)	KameugneFND23 [336], MontemanniD23 [447], ShaikhK23 [547], BoudreaultSLQ22 [117], PopovicCGNC22 [504], SubulanC22 [565], PohlAK22 [502], GeibingerMM21 [237], WallaceY20 [627], WangB20 [628], BarzegaranZP20 [61], Mercier-AubinGQ20 [437], YangSS19 [644], NattafHKAL19 [466], BadicaBIL19 [40], NishikawaSTT19 [472], Tom19 [589], YounespourAKE19 [645], KreterSSZ18 [364], HoYCLLCLC18 [303], AntunesABD18 [19], PourDERB18 [505], Laborie18a [371], CauwelaertLS18 [141], BofillCSV17 [103], CappartS17 [129], TranVNB17 [599], TranVNB17a [600], KletzanderM17 [347]... (Total: 118)
Concepts	make to order			OujanaAYB22 [487], DavenportKRSH07 [165], Simonis07 [559]
Concepts	make to stock			
Concepts	make-span	PrataAN23 [509], JuvinHL23 [330], AbreuNP23 [168], EfthymiouY23 [194], PovedaAA23 [506], AlfieriGPS23 [15], abs-2305-19888 [296], NaderiRR23 [460], TasselGS23 [576], Bit-Monnot23 [96], abs-2306-05747 [577], AalianPG23 [1], CzerniachowskaWZ23 [159], LacknerMMWW23 [374], JuvinHHL23 [328], YuraszeckMC23 [649], IsikYA23 [321], Mehdizadeh-Somarin23 [430], HeinzNVH22 [295], AbreuN22 [167], JuvinHL22 [329], GeitzGSSW22 [238], BoudreaultSLQ22 [117], YunusogluY22 [648], SubulanC22 [565], ArmstrongGOS22 [27], ZhangBB22 [658], EtminaniesfahaniGNMS22 [202], TouatBT22 [592]... (Total: 179)	YuraszeckMCCR23 [651], abs-2312-13682 [497], PerezGSL23 [496], KameugneFND23 [336], MullerMKP22 [451], SvancaraB22 [569], OujanaAYB22 [487], ZhangJZL22 [657], abs-2211-14492 [566], YuraszeckMPV22 [650], LiFJZLL22 [387], PandeyS21a [489], FanXG21 [210], QinDCS20 [512], AstrandJZ18 [37], KreterSS17 [363], YoungFS17 [646], BonfiettiZLM16 [113], HamC16 [276], KuB16 [365], GingrasQ16 [244], SialaAH15 [553], DejemeppeCS15 [173], GayHLS15 [229], BajestaniB15 [43], BonfiettiLBM14 [109], ThiruvadyWGS14 [585], KameugneFSN14 [338], GuSS13 [265]... (Total: 51)	ForbesHJST24 [217], KimCMLLP23 [345], TardivoDFMP23 [575], Teppan22 [579], PopovicCGNC22 [504], CampeauG22 [128], JungblutK22 [327], FetgoD22 [214], NaderiBZ22 [457], EmdeZD22 [199], HanenKP21 [277], KoehlerBFFHPSSS21 [348], HubnerGSV21 [318], Mercier-AubinGQ20 [437], TangB20 [573], CauwelaertDS20 [142], NattafM20 [467], SacramentoSP20 [526], NishikawaSTT19 [472], MurinR19 [452], abs-1911-04766 [235], NattafHKAL19 [466], BadicaBIL19 [40], Tom19 [589], GeibingerMM19 [236], NishikawaSTT18 [470], BorghesiBLMB18 [115], ArbaouiY18 [24], Ham18 [273]... (Total: 98)
Concepts	manpower	NovaraNH16 [473]	LaborieRSV18 [372], Froger16 [222]	BourreauGGLT22 [118], BadicaBI20 [39], MokhtarzadehTNF20 [443], WikarekS19 [634], BaptisteB18 [46], MusliuSS18 [455], SchuttS16 [543], HechingH16 [288], GayHS15a [231], GaySS14 [232], 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]
Concepts	multi-agent	SvancaraB22 [569], Zahout21 [652], ZarandiASC20 [654], BehrensLM19 [76], He0GLW18 [284], HoeveGSL07 [609]	Lemos21 [381], MokhtarzadehTNF20 [443], abs-1901-07914 [77], TranVNB17 [599], LimHTB16 [390], BartakSR10 [58], BocewiczBB09 [101]	abs-2402-00459 [469], Mehdizadeh-Somarin23 [430], SquillaciPR23 [564], 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]
Concepts	no preempt			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]

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], YuraszeckMPV22 [650], AbreuN22 [167], AbreuAPNM21 [166], Groleaz21 [261], ZarandiASC20 [654], MejiaY20 [431], Lunardi20 [414], FahimiOQ18 [206], Fahimi16 [205], Siala15a [552], GrimesH15 [258], MalapertCGJLR13 [422], Malapert11 [420], GrimesHM09 [259], OhrimenkoSC09 [483], MonetteDD07 [444], Elkhyari03 [196], Baptiste02 [44], LorigeonBB02 [411], FocacciLN00 [215]	Godet21a [246], Astrand21 [35], SacramentoSP20 [526], MengZRZL20 [435], Dejemeppe16 [172], TerekhovDOB12 [580], Schutt11 [534], GrimesH10 [256], Vilim05 [615], Demassey03 [175]	YuraszeckMCCR23 [651], YuraszeckMC23 [649], KimCMLLP23 [345], ShaikhK23 [547], NaderiBZ22 [457], EmdeZD22 [199], OujanaAYB22 [487], ColT22 [160], EtminaniesfahaniGNMS22 [202], Astrand0F21 [36], abs-2102-08778 [155], AstrandJZ20 [38], ParkUJR19 [493], 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], ArtiouchineB05 [34], HentenryckM04 [298]... (Total: 34)
Concepts	order	abs-2402-00459 [469], PrataAN23 [509], EfthymiouY23 [194], AbreuNP23 [168], AlfieriGPS23 [15], abs-2312-13682 [497], 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], PovedaAA23 [506], PopovicCGNC22 [504], BoudreaultSLQ22 [117], EtminaniesfahaniGNMS22 [202], LuoB22 [416], CampeauG22 [128], YunusogluY22 [648], AbreuN22 [167]... (Total: 376)	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], 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], BogaerdtW19 [607], FrohnerTR19 [223], YounespourAKE19 [645]... (Total: 106)	MontemanniD23 [447], AkramNHRSA23 [13], Mehdizadeh-Somarin23 [430], JuvinHL22 [329], ZhangJZL22 [657], AbohashimaEG21 [2], ZhangYW21 [659], MokhtarzadehTNF20 [443], KucukY19 [368], abs-1902-01193 [14], GalleguillosKSB19 [225], ArbaouiY18 [24], BenediktSMVH18 [87], He0GLW18 [284], TranVNB17a [600], Hooker17 [311], Bonfietti16 [106], SzerediS16 [570], HechingH16 [288], BridiLBBM16 [121], HurleyOS16 [319], Derrien15 [178], GayHS15a [231], ThiruvadyWGS14 [585], Kameugne14 [333], DoulabiRP14 [189], GuSS13 [265], LombardiM13 [406], Letort13 [382]... (Total: 61)
Concepts	precedence	abs-2402-00459 [469], PovedaAA23 [506], YuraszeckMCCR23 [651], NaderiRR23 [460], IsikYA23 [321], AlfieriGPS23 [15], JuvinHHL23 [328], 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], GroleazNS20 [263], SacramentoSP20 [526]... (Total: 157)	Bit-Monnot23 [96], KameugneFND23 [336], 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], BogaerdtW19 [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], BurtLPS15 [124]... (Total: 75)	PrataAN23 [509], KimCMLLP23 [345], JuvinHL23 [330], TasselGS23 [576], abs-2305-19888 [296], Mehdizadeh-Somarin23 [430], abs-2306-05747 [577], YuraszeckMC23 [649], 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], He0GLW18 [284], OuelletQ18 [485], GokgurHO18 [249]... (Total: 104)

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	preempt	JuvinHHL23 [328], PovedaAA23 [506], SubulanC22 [565], JuvinHL22 [329], 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], MenciaSV12 [433], LombardiM12 [405], BeldiceanuCDP11 [80], KovacsB11 [356], Schutt11 [534], BartakSR10 [58], Lombardi10 [398], KovacsB07 [354], MonetteDD07 [444]... (Total: 36)	PrataAN23 [509], abs-2305-19888 [296], OuelletQ22 [486], FetgoD22 [214], HeinzNVH22 [295], Zahout21 [652], Astrand21 [35], SacramentoSP20 [526], Mercier-AubinGQ20 [437], Lunardi20 [414], LunardiBLRV20 [413], Caballero19 [126], 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], ChenGPSH10 [146], SchuttFSW09 [538], Laborie09 [370], Wolf09 [640]... (Total: 35)	NaderiRR23 [460], TasselGS23 [576], AalianPG23 [1], TardivoDFMP23 [575], YuraszeckMC23 [649], YuraszeckMCCR23 [651], KameugneFND23 [336], AkramNHRSA23 [13], AbreuNP23 [168], abs-2306-05747 [577], IsikYA23 [321], Mehdizadeh-Somarin23 [430], AbreuN22 [167], ZhangBB22 [658], TouatBT22 [592], Teppan22 [579], EtminaniesfahaniGNMS22 [202], GeitzGSSW22 [238], BoudreaultSLQ22 [117], ColT22 [160], MullerMKP22 [451], YunusogluY22 [648], OujanaAYB22 [487], JungblutK22 [327], Bedhief21 [74], BenderWS21 [84], FanXG21 [210], QinWSLS21 [511], KovacsTKSG21 [361]... (Total: 145)
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	Astrand21 [35], Lemos21 [381], HamPK21 [275], Groleaz21 [261], BarzegaranZP20 [61], ZarandiASC20 [654], ZhangW18 [660], Madi-WambaLOBM17 [418], CappartS17 [129], Froger16 [222], BartakV15 [59], GrimesIOS14 [260], TranTDB13 [598], BajestaniB13 [42], RendlPHPR12 [516], LombardiM12 [405], IfrimOS12 [320], NovasH10 [475], BidotVLB09 [94], Laborie03 [369], Baptiste02 [44], MartinPY01 [427], ArtiguesR00 [33]	Mehdizadeh-Somarin23 [430], Zahout21 [652], KovacsTKSG21 [361], AstrandJZ20 [38], AntunesABD20 [20], 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], NaderiRR23 [460], PerezGSL23 [496], 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], LunardiBLRV20 [413], NishikawaSTT19 [472], YounespourAKE19 [645]... (Total: 82)
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: 34)	PrataAN23 [509], LacknerMMWW23 [374], LacknerMMWW21 [373], Godet21a [246], AntuoriHHEN20 [21], GroleazNS20 [263], ZarandiASC20 [654], GroleazNS20a [262], abs-1911-04766 [235], GeibingerMM19 [236], 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], Beck99 [62], BeckF98 [67]	ForbesHJST24 [217], PovedaAA23 [506], IsikYA23 [321], YuraszeckMC23 [649], 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], NattafAL17 [463], GomesM17 [255]... (Total: 77)

Table 11: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	resource	PrataAN23 [509], abs-2402-00459 [469], ForbesHJST24 [217], JuvinHHL23 [328], KameugneFND23 [336], PovedaAA23 [506], YuraszeckMCCR23 [651], abs-2305-19888 [296], CzerniachowskaWZ23 [159], ShaikhK23 [547], AlfieriGPS23 [15], NaderiRR23 [460], AalianPG23 [1], WangB23 [629], TardivoDFMP23 [575], GurPAE23 [270], NaderiBZ22 [457], BourreauGGLT22 [118], HeinzNVH22 [295], ZhangBB22 [658], GeitzGSSW22 [238], LuoB22 [416], AbreuN22 [167], BoudreaultSLQ22 [117], TouatBT22 [592], YunusogluY22 [648], CampeauG22 [128], SubulanC22 [565], OuelletQ22 [486]... (Total: 376)	Caballero23 [127], PerezGSL23 [496], abs-2312-13682 [497], IsikYA23 [321], abs-2306-05747 [577], TasselGS23 [576], Bit-Monnot23 [96], AbreuNP23 [168], 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], HoYCLLCLC18 [303], GedikKEK18 [233], Ham18 [273], BenediktSMVH18 [87], GelainPRVW17 [239], GoldwaserS17 [250]... (Total: 58)	MontemanniD23 [447], AkramNHRSA23 [13], SquillaciPR23 [564], 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], ColT19 [156], AstrandJZ18 [37], ZhangW18 [660], GomesM17 [255], KletzanderM17 [347]... (Total: 67)
Concepts	scheduling	ForbesHJST24 [217], abs-2402-00459 [469], PrataAN23 [509], AbreuNP23 [168], TasselGS23 [576], Bit-Monnot23 [96], IsikYA23 [321], AalianPG23 [1], abs-2305-19888 [296], abs-2312-13682 [497], PerezGSL23 [496], abs-2306-05747 [577], JuvinHHL23 [328], TardivoDFMP23 [575], YuraszeckMC23 [649], Mehdizadeh-Somarin23 [430], MontemanniD23 [447], KimCMLLP23 [345], AkramNHRSA23 [13], ShaikhK23 [547], KameugneFND23 [336], LacknerMMWW23 [374], GurPAE23 [270], PovedaAA23 [506], EfthymiouY23 [194], AlfieriGPS23 [15], SquillaciPR23 [564], Caballero23 [127], CzerniachowskaWZ23 [159]... (Total: 534)	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 dependent setup	Groleaz21 [261], GedikKEK18 [233], TranAB16 [594], HamC16 [276], TranB12 [595], Wolf11 [638], FocacciLN00 [215]	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], abs-2305-19888 [296], YunusogluY22 [648], PohlAK22 [502], HeinzNVH22 [295], OujanaAYB22 [487], Bedhief21 [74], HamPK21 [275], ArmstrongGOS21 [26], Astrand21 [35], Mercier-AubinGQ20 [437], MejiaY20 [431], MalapertN19 [423], Novas19 [474], Hooker19 [312], KucukY19 [368], ArbaouiY18 [24], LaborieRSV18 [372], Ham18 [273], FahimiOQ18 [206], Pralet17 [507], HookerH17 [314], Fahimi16 [205], CauwelaertDMS16 [140], NovaraNH16 [473], DejemeppeCS15 [173], BajestaniB15 [43], Siala15a [552]... (Total: 41)

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], AbreuNP23 [168], NaderiRR23 [460], 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], GroleazNS20a [262]... (Total: 57)	AlfieriGPS23 [15], CzerniachowskaWZ23 [159], KimCMLLP23 [345], 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], HarjunkoskiG02 [278], Timpe02 [588], Vilim02 [612]	YuraszeckMCCR23 [651], JuvinHHL23 [328], JuvinHL23 [330], Mehdizadeh-Somarin23 [430], EfthymiouY23 [194], abs-2211-14492 [566], ZhangJZL22 [657], MullerMKP22 [451], JuvinHL22 [329], Teppan22 [579], HamPK21 [275], ZhangYW21 [659], AbohashimaEG21 [2], BenderWS21 [84], GodetLHS20 [247], MokhtarzadehTNF20 [443], Polo-MejiaALB20 [503], BehrensLM19 [76], Caballero19 [126], abs-1902-09244 [282], KucukY19 [368], WikarekS19 [634], GokgurHO18 [249], CappartTSR18 [130], German18 [240], FahimiOQ18 [206], TanT18 [572], TranVNB17a [600], GilesH16 [243]... (Total: 67)
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], AlfieriGPS23 [15], KimCMLLP23 [345], LacknerMMWW23 [374], NaderiRR23 [460], 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], GroleazNS20a [262], Mercier-AubinGQ20 [437], AntuoriHHEN20 [21], MengZRZL20 [435], TangB20 [573], abs-1902-09244 [282], ParkUJR19 [493], Hooker19 [312], BogaerdtW19 [607], LaborieRSV18 [372]... (Total: 60)	abs-2402-00459 [469], AbreuNP23 [168], SubulanC22 [565], FarsiTM22 [211], ColT22 [160], EmdeZD22 [199], KovacsTKSG21 [361], AbreuAPNM21 [166], GroleazNS20 [263], Lunardi20 [414], GedikKEK18 [233], GokgurHO18 [249], Hooker17 [311], TranAB16 [594], ThiruvadyWGS14 [585], TerekhovTDB14 [581], 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], 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], RiahiNS018 [517], ZhangW18 [660], HookerH17 [314], KuB16 [365], Fahimi16 [205], DejemeppeCS15 [173]... (Total: 69)
Concepts	task	ForbesHJST24 [217], PrataAN23 [509], abs-2402-00459 [469], JuvinHL23 [330], CzerniachowskaWZ23 [159], JuvinHHL23 [328], WangB23 [629], YuraszeckMCCR23 [651], PovedaAA23 [506], abs-2305-19888 [296], KameugneFND23 [336], AkramNHRSA23 [13], LiFJZLL22 [387], CampeauG22 [128], ColT22 [160], SubulanC22 [565], OuelletQ22 [486], FetgoD22 [214], JuvinHL22 [329], abs-2211-14492 [566], GeitzGSSW22 [238], EtminaniesfahaniGNMS22 [202], TouatBT22 [592], HeinzNVH22 [295], JungblutK22 [327], BoudreaultSLQ22 [117], Astrand0F21 [36], HanenKP21 [277], Astrand21 [35]... (Total: 252)	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], GoldwaserS18 [251]... (Total: 60)	NaderiRR23 [460], TasselGS23 [576], EfthymiouY23 [194], PerezGSL23 [496], abs-2312-13682 [497], Mehdizadeh-Somarin23 [430], TardivoDFMP23 [575], abs-2306-05747 [577], 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], SacramentoSP20 [526], FallahiAC20 [209], BenediktMH20 [86], MengZRZL20 [435], CauwelaertDS20 [142], ParkUJR19 [493], MurinR19 [452], abs-1902-09244 [282]... (Total: 104)
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], 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], Rodriguez07 [520]... (Total: 32)	NaderiRR23 [460], KimCMLLP23 [345], AbreuN22 [167], SubulanC22 [565], NaderiBZ22 [457], PopovicCGNC22 [504], Astrand21 [35], Godet21a [246], AbohashimaEG21 [2], MengZRZL20 [435], MejiaY20 [431], ZarandiASC20 [654], FallahiAC20 [209], LaborieRSV18 [372], EvenSH15 [203], MelgarejoLS15 [11], RendlPHPR12 [516], Malapert11 [420], MakMS10 [419], MouraSCL08a [449], MouraSCL08 [450], LimRX04 [389], Mason01 [429], ArtiguesR00 [33], Simonis99 [558], Wallace96 [625]	AalianPG23 [1], IsikYA23 [321], AbreuNP23 [168], abs-2312-13682 [497], WangB23 [629], MontemanniD23a [446], PerezGSL23 [496], AlfieriGPS23 [15], 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], CauwelaertDS20 [142], Novas19 [474], abs-1902-09244 [282], HoundjiSW19 [316], Tom19 [589], GoldwaserS18 [251], GokgurHO18 [249]... (Total: 82)

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 Optimisation 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	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], 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], 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], 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 Generalized Assignment Problem			
Classification	OSP	NaderiRR23 [460], LacknerMMWW23 [374], Bit-Monnot23 [96], LacknerMMWW21 [373], Groleaz21 [261], GayHLS15 [229], Siala15a [552], GrimesH15 [258]	SquillaciPR23 [564], GrimesHM09 [259], MonetteDD07 [444]	MengZRZL20 [435]
Classification	OSSP	YuraszeckMC23 [649], AbreuNP23 [168], YuraszeckMPV22 [650], ColT22 [160], AbreuN22 [167], AbreuAPNM21 [166], MejiaY20 [431], Baptiste02 [44]		YuraszeckMCCR23 [651], ZarandiASC20 [654]
Classification	Open Shop Scheduling Problem	AbreuNP23 [168], 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], 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-MMRCPSP			
Classification	PTC	NattafM20 [467], MalapertN19 [423]	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], Groleaz21 [261], HubnerGSV21 [318], Godet21a [246], ZarandiASC20 [654], Polo-MejiaALB20 [503], GeibingerMM19 [236], abs-1902-09244 [282], abs-1911-04766 [235], Caballero19 [126], LaborieRSV18 [372], TangLWSK18 [574], KreterSSZ18 [364], KameugneFGOQ18 [335], Pralet17 [507], KreterSS17 [363], YoungFS17 [646], BofillCSV17 [103], MossigeGSMC17 [448]... (Total: 60)	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], KameugneFSN11 [337], HeinzS11 [293], abs-1009-0347 [539], KeriK07 [342], KovacsV06 [360], HeipckeCCS00 [297], ArtiguesR00 [33]	NaderiRR23 [460], 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], LetortCB13 [384]... (Total: 43)
Classification	RCPSPDC			CampeauG22 [128], HubnerGSV21 [318]
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], BeniniLMR11 [90], SchausHMCMD11 [531], LombardiMRB10 [408], BeniniLMR08 [89]
Classification	SMSDP			
Classification	Steel-making and continuous casting			

Table 12: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
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], 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], MalapertN19 [423], GedikKEK18 [233], ArbaouiY18 [24], GokgurHO18 [249], TanT18 [572], GomesM17 [255], HebrardHJMPV16 [286], TranAB16 [594], Nattaf16 [461], TranB12 [595]... (Total: 33)	AbreuNP23 [168], Teppan22 [579], NaderiBZ22 [457], EmdeZD22 [199], ColT22 [160], Zahout21 [652], Bedhief21 [74], SacramentoSP20 [526], MejiaY20 [431], MokhtarzadehTNF20 [443], ParkUJR19 [493], Novas19 [474], BogaerdtW19 [607], BenediktSMVH18 [87], 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], JuvinHL22 [329], ArmstrongGOS22 [27], EtminaniesfahaniGNMS22 [202], HamPK21 [275], LacknerMMWW21 [373], HanenKP21 [277], FanXG21 [210], AbohashimaEG21 [2], AbreuAPNM21 [166], AstrandJZ20 [38], GroleazNS20a [262], QinDCS20 [512], NishikawaSTT19 [472], Hooker19 [312], Ham18 [273], LaborieRSV18 [372], BaptisteB18 [46], KletzanderM17 [347], HookerH17 [314], KreterSS17 [363], Fahimi16 [205], FontaineMH16 [216], BurtLPS15 [124], KreterSS15 [362]... (Total: 41)
Classification	psplib	TardivoDFMP23 [575], Caballero19 [126], 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], Dejemeppe16 [172], SchnellH15 [533], ThiruvadyWGS14 [585], LombardiM13 [406], OuelletQ13 [484], LombardiM12 [405], KameugneFSN11 [337], LiessM08 [388], FortinZDF05 [218], ElkhyariGJ02a [198]
Classification	single machine	PrataAN23 [509], AlfieriGPS23 [15], 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]	NaderiBZ22 [457], 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], MilanoW06 [440]... (Total: 33)	abs-2402-00459 [469], 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], MalapertN19 [423], GedikKEK18 [233], AstrandJZ18 [37], ArbaouiY18 [24], GokgurHO18 [249], MossigeGSMC17 [448]... (Total: 77)

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], ClercqPBJ11 [151], HermenierDL11 [300], HachemiGR11 [272], TrojetHL11 [602], LopesCSM10 [409], Malik08 [424], Thorsteinsson01 [587], Simonis99 [558], BeldiceanuC94 [78]
Constraints	alternative constraint	LaborieRSV18 [372]	abs-2305-19888 [296], MurinR19 [452], GokgurHO18 [249]	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], GalleguillosKSB19 [225], MalapertN19 [423], abs-1911-04766 [235], ArbaouiY18 [24], Laborie18a [371], NishikawaSTT18a [471], NishikawaSTT18 [470], CohenHB17 [154], TranVNB17a [600], TranVNB17 [599], CappartS17 [129]... (Total: 38)
Constraints	alwaysIn	PopovicCGNC22 [504], SerraNM12 [546]	AalianPG23 [1], LuoB22 [416], TangB20 [573], Polo-MejiaALB20 [503], MalapertN19 [423], LaborieRSV18 [372], GoelSHFS15 [248]	CampeauG22 [128], KreterSS17 [363], BajestaniB13 [42]
Constraints	bin-packing	Godet21a [246], Zahout21 [652], TangB20 [573], CauwelaertLS18 [141], LetortCB15 [385], Letort13 [382], LetortCB13 [384], HeinzSSW12 [292], LetortBC12 [383], Malapert11 [420], SchausHMCMD11 [531], SchausD08 [530]	LuoB22 [416], EmdeZD22 [199], BadicaBI20 [39], AntunesABD20 [20], FrimodigS19 [221], AntunesABD18 [19], BaptisteB18 [46], LiW08 [386], GarganiR07 [226], SakkoutW00 [529], SchildW00 [532]	abs-2402-00459 [469], LacknerMMWW23 [374], AkramNHRSA23 [13], abs-2211-14492 [566], YunusogluY22 [648], ArmstrongGOS21 [26], 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], BeldiceanuC94 [78], AggounB93 [9]
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], TranB12 [595], Malapert11 [420], KrogtLPHJ07 [608], KuchcinskiW03 [366], HookerO03 [313], Thorsteinsson01 [587], Simonis99 [558], Simonis95a [556], DincbasSH90 [184]	PrataAN23 [509], IsikYA23 [321], MontemanniD23 [447], 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], TangLWSK18 [574], CappartTSR18 [130], Hooker17 [311], HechingH16 [288], Dejemeppe16 [172], Bonfietti16 [106], BridiBLMB16 [120], TranAB16 [594], MelgarejoLS15 [11], MurphyMB15 [453], Derrien15 [178]... (Total: 66)

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: 162)	PrataAN23 [509], abs-2402-00459 [469], ForbesHJST24 [217], EfthymiouY23 [194], abs-2312-13682 [497], PerezGSL23 [496], ColT22 [160], 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], BonfiettiZLM16 [113], LimHTB16 [390], Bonfietti16 [106], GayHLS15 [229], BurtLPS15 [124], ThiruvadyWGS14 [585]... (Total: 52)	GurPAE23 [270], TasselGS23 [576], abs-2306-05747 [577], abs-2305-19888 [296], Bit-Monnot23 [96], YuraszeckMCCR23 [651], JuvinHHL23 [328], HeinzNVH22 [295], PopovicCGNC22 [504], abs-2211-14492 [566], SubulanC22 [565], HebrardALLCMR22 [285], JuvinHL22 [329], ArmstrongGOS22 [27], Astrand21 [35], PandeyS21a [489], KoehlerBFFHPSSS21 [348], GeibingerMM21 [237], ArmstrongGOS21 [26], ZouZ20 [669], CauwelaertDS20 [142], abs-1902-09244 [282], FrimodigS19 [221], HoundjiSW19 [316], WikarekS19 [634], YounespourAKE19 [645], Laborie18a [371], AstrandJZ18 [37], ZhangW18 [660]... (Total: 105)
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], BessiereHMQW14 [93], BegB13 [75], MenciaSV12 [433], Malapert11 [420], LombardiBMB11 [400], Schutt11 [534], SunLYL10 [567], LombardiMRB10 [408], BocewiczBB09 [101], RuggieroBBMA09 [525], MalikMB08 [425]... (Total: 41)	EfthymiouY23 [194], CampeauG22 [128], Lemos21 [381], KoehlerBFFHPSSS21 [348], HillTV21 [302], HubnerGSV21 [318], Godet21a [246], CauwelaertDS20 [142], GroleazNS20 [263], Lunardi20 [414], ZarandiASC20 [654], MossigeGSMC17 [448], Froger16 [222], TranAB16 [594], SimoninAHL15 [555], PraletLJ15 [508], BurtLPS15 [124], Siala15a [552], TranTDB13 [598], SchuttFSW13 [541], SimoninAHL12 [554], BonfiettiLBM12 [108], HachemiGR11 [272], KovacsB11 [356], BonfiettiLBM11 [107], Vilim11 [618], Lombardi10 [398], abs-1009-0347 [539], SchausD08 [530]... (Total: 42)	Bit-Monnot23 [96], AkramNHRSA23 [13], ZhangBB22 [658], BourreauGGLT22 [118], AbreuN22 [167], HamPK21 [275], ArmstrongGOS21 [26], Zahout21 [652], AbreuAPNM21 [166], FanXG21 [210], 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], MusliuSS18 [455], LaborieRSV18 [372], Ham18 [273], KreterSS17 [363], Pralet17 [507], Fahimi16 [205]... (Total: 81)
Constraints	diffn	ArmstrongGOS21 [26], Simonis07 [559], SimonisCK00 [560], BeldiceanuC94 [78]	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], 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], SialaAH15 [553]... (Total: 75)	BoudreaultSLQ22 [117], Astrand0F21 [36], GeibingerMM21 [237], SacramentoSP20 [526], AstrandJZ20 [38], MejiaY20 [431], Polo-MejiaALB20 [503], YangSS19 [644], CauwelaertLS18 [141], DemirovicS18 [177], TanT18 [572], KameugneFGOQ18 [335], Dejemeppe16 [172], Nattaf16 [461], SimoninAHL15 [555], EvenSH15 [203], EvenSH15a [204], GayHS15 [230], VilimLS15 [621], LipovetzkyBPS14 [394], KameugneFSN14 [338], GaySS14 [232], MalapertCGJLR13 [422], KelbelH11 [341], HeinzS11 [293], GrimesH11 [257], LiessM08 [388], MouraSCL08a [449], MercierH08 [436]... (Total: 40)	abs-2402-00459 [469], LacknerMMWW23 [374], TardivoDFMP23 [575], abs-2306-05747 [577], KameugneFND23 [336], PovedaAA23 [506], EfthymiouY23 [194], TasselGS23 [576], NaderiBZ22 [457], MullerMKP22 [451], OuelletQ22 [486], 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], WikarekS19 [634], ColT19 [156], Hooker19 [312], AstrandJZ18 [37], OuelletQ18 [485], CappartTSR18 [130]... (Total: 129)

Table 13: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	endBeforeStart	SubulanC22 [565], QinDCS20 [512]	NaderiRR23 [460], IsikYA23 [321], PandeyS21a [489], LunardiBLRV20 [413], Lunardi20 [414], MengZRZL20 [435], LaborieRSV18 [372], NovaraNH16 [473], Laborie09 [370]	JuvinHHL23 [328], YuraszeckMCCR23 [651], CzerniachowskaWZ23 [159], 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], Ham18 [273]... (Total: 31)
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], 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], SvancaraB22 [569], KlankeBYE21 [346], Bedhief21 [74], BenderWS21 [84], BenediktMH20 [86], MengZRZL20 [435], ZouZ20 [669], SacramentoSP20 [526], YounespourAKE19 [645], MalapertN19 [423], MurinR19 [452], abs-1911-04766 [235], EscobetPQPRA19 [201], Novas19 [474], LaborieRSV18 [372], ZhangW18 [660], ArbaouiY18 [24], Ham18 [273], TranVNB17 [599], CohenHB17 [154], NovaraNH16 [473], BoothNB16 [114]... (Total: 33)	AbreuNP23 [168], JuvinHL23 [330], YuraszeckMC23 [649], AalianPG23 [1], CzerniachowskaWZ23 [159], SquillaciPR23 [564], 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], ColT19 [156], GeibingerMM19 [236], KucukY19 [368], ParkUJR19 [493]... (Total: 37)
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], ElkhyariGJ02 [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], HoYCLLCLC18 [303], LombardiMRB10 [408], Lombardi10 [398], LombardiM10a [402], Laborie09 [370], GarridoOS08 [228], Layfield02 [380]
ProgLanguages	C++		BourreauGGLT22 [118], Demassey03 [175]	TardivoDFMP23 [575], JuvinHHL23 [328], PopovicCGNC22 [504], ColT22 [160], Astrand21 [35], AntuoriHHEN21 [22], QinWSLS21 [511], AbreuAPNM21 [166], Lemos21 [381], Polo-MejiaALB20 [503], AstrandJZ20 [38], 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], TranTDB13 [598], SchuttFSW13 [541]... (Total: 70)
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], OuelletQ18 [485], LaborieRSV18 [372]... (Total: 57)
ProgLanguages	Julia			HebrardALLCMR22 [285], Astrand21 [35], Groleaz21 [261], CatusseCBL16 [139]
ProgLanguages	Lisp			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: 37)
ProgLanguages	Python	KoehlerBFFHPSSS21 [348]	ForbesHJST24 [217], 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], 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], FrohnerTR19 [223]... (Total: 38)

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: 77)
CPSystems	CPO	NaderiRR23 [460], LacknerMMWW23 [374], JuvinHHL23 [328], Bit-Monnot23 [96], CzerniachowskaWZ23 [159], 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], Laborie09 [370], Elkhyari03 [196]	AalianPG23 [1], JuvinHL22 [329], abs-1911-04766 [235], Dejemeppe16 [172], GrimesH15 [258], NuijtenA94 [478]	JuvinHL23 [330], PovedaAA23 [506], OujanaAYB22 [487], GeibingerMM21 [237], abs-2102-08778 [155], TangB20 [573], Caballero19 [126], Laborie18a [371], 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], Elkhyari03 [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], 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], 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], Elkhyari03 [196], BaptisteP00 [49]	Zahout21 [652], Menana11 [432], BaptisteP97 [48]	HebrardALLCMR22 [285], HanenKP21 [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	CzerniachowskaWZ23 [159], NaderiRR23 [460], SubulanC22 [565], NaderiBZ22 [457], EtminaniesfahaniGNMS22 [202], 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], MengZRZL20 [435], MurinR19 [452], GeibingerMM19 [236], abs-1911-04766 [235], NishikawaSTT19 [472], GurEA19 [670]... (Total: 47)	LacknerMMWW23 [374], Mehdizadeh-Somarin23 [430], AbreuNP23 [168], IsikYA23 [321], CampeauG22 [128], YunusogluY22 [648], LuoB22 [416], ColT22 [160], TouatBT22 [592], LacknerMMWW21 [373], KovacsTKSG21 [361], Zahout21 [652], QinWSLS21 [511], ArmstrongGOS21 [26], MokhtarzadehTNF20 [443], NattafM20 [467], WallaceY20 [627], NattafHKAL19 [466], abs-1902-09244 [282], MalapertN19 [423], Novas19 [474], German18 [240], GomesM17 [255], HamC16 [276], DoulabiRP16 [190], HechingH16 [288], NattafALR16 [464], VilimLS15 [621], BofillGSV15 [105]... (Total: 54)	AlfieriGPS23 [15], JuvinHL23 [330], SquillaciPR23 [564], GurPAE23 [270], PovedaAA23 [506], YuraszeckMCCR23 [651], AalianPG23 [1], FarsiTM22 [211], abs-2211-14492 [566], YuraszeckMPV22 [650], JuvinHL22 [329], PohlAK22 [502], PopovicCGNC22 [504], AbreuN22 [167], 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], GroleazNS20a [262], AntunesABD20 [20], FrimodigS19 [221], BogaerdtW19 [607]... (Total: 105)
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], 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], GoldwaserS18 [251], GoldwaserS17 [250], AmadiniGM16 [17], Dejemeppe16 [172], PesantRR15 [498], Clercq12 [169], MonetteDD07 [444]
CPSystems	Gurobi	WangB23 [629], NaderiRR23 [460], LacknerMMWW23 [374], WinterMMW22 [635], ZhangBB22 [658], KovacsTKSG21 [361], GeibingerKKMMW21 [234], KoehlerBFFHPSSS21 [348], LacknerMMWW21 [373], Lemos21 [381], WangB20 [628], WallaceY20 [627], FrohnerTR19 [223], MusliuSS18 [455], KuB16 [365]	ForbesHJST24 [217], VlkHT21 [623], Groleaz21 [261], GoldwaserS18 [251], GoldwaserS17 [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]
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], LahimerLH11 [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], 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], LombardiM09 [401]... (Total: 58)
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], 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], OzturkTHO13 [488], SerraNM12 [546], HeinzB12 [290], TopalogluO11 [590], EdisO11 [191], KelbelH11 [341], ZibranR11a [668], Menana11 [432], NovasH10 [475], Wolf09 [640], MilanoW09 [441], Simonis07 [559], GarganiR07 [226], Hooker07 [309], KrogtLPHJ07 [608], MilanoW06 [440]... (Total: 40)	abs-2402-00459 [469], ForbesHJST24 [217], GurPAE23 [270], CzerniachowskaWZ23 [159], MontemanniD23 [447], IsikYA23 [321], EfthymiouY23 [194], YuraszeckMCCR23 [651], PerezGSL23 [496], AbreuNP23 [168], abs-2312-13682 [497], 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], Lunardi20 [414], WallaceY20 [627]... (Total: 101)
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], 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], Elkhyari03 [196], Demassey03 [175], Layfield02 [380], VanczaM01 [610], SchildW00 [532], Simonis99 [558], BeldiceanuC94 [78]	GeitzGSSW22 [238], BourreauGGLT22 [118], AbreuN22 [167], 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], LiuLH19 [395], Novas19 [474], BehrensLM19 [76], CauwelaertLS18 [141], HookerH17 [314], Hooker17 [311], BridiBLMB16 [120], HebrardHJMPV16 [286], Dejemeppe16 [172], BlomBPS14 [99], BajestaniB13 [42], EdisO11 [191], Menana11 [432]... (Total: 40)	Mehdizadeh-Somarin23 [430], GurPAE23 [270], MullerMKP22 [451], CampeauG22 [128], HebrardALLCMR22 [285], ZhangJZL22 [657], ArmstrongGOS22 [27], FetgoD22 [214], TouatBT22 [592], abs-2211-14492 [566], LiFJZLL22 [387], PopovicCGNC22 [504], AbreuAPNM21 [166], ArmstrongGOS21 [26], Bedhief21 [74], LacknerMMWW21 [373], QinWSLS21 [511], Lemos21 [381], PandeyS21a [489], WangB20 [628], SacramentoSP20 [526], FallahiAC20 [209], abs-1911-04766 [235], GurEA19 [670], Tom19 [589], Caballero19 [126], abs-1902-09244 [282], FrimodigS19 [221], NishikawaSTT19 [472]... (Total: 98)
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]	NaderiRR23 [460], Groleaz21 [261], WikarekS19 [634], SzerediS16 [570], 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], 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		GeibingerKKMMW21 [234]	Mehdizadeh-Somarin23 [430], GurPAE23 [270], OujanaAYB22 [487], Lemos21 [381]
ApplicationAreas	HVAC	LimHTB16 [390], LimBTBB15 [391], GrimesIOS14 [260]		
ApplicationAreas	agriculture			AkramNHRSA23 [13], BenderWS21 [84], HamPK21 [275], Astrand21 [35], QinWSLS21 [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], Ham18 [273], Simonis07 [559], SakkoutW00 [529], Simonis95a [556]	PrataAN23 [509], PovedaAA23 [506], EtminaniesfahaniGNMS22 [202], ZarandiASC20 [654], abs-1902-09244 [282], Hooker19 [312], LaborieRSV18 [372], HookerH17 [314], TranAB16 [594], Lombardi10 [398], Laborie09 [370], KovacsB08 [355], KrogtLPHJ07 [608], MartinPY01 [427], SimonisCK00 [560], GruianK98 [264], Darby-DowmanLMZ97 [163], Wallace96 [625], Simonis95 [557], SimonisC95 [561]
ApplicationAreas	automotive		YuraszeckMPV22 [650], EmdeZD22 [199], Groleaz21 [261], LimtanyakulS12 [393], SunLYL10 [567], Lombardi10 [398], BarlattCG08 [52], SchildW00 [532]	PovedaAA23 [506], NaderiRR23 [460], CzerniachowskaWZ23 [159], NaderiBZ22 [457], 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], 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], LimRX04 [389]
ApplicationAreas	crew-scheduling	ZarandiASC20 [654], PourDERB18 [505]	BourreauGGLT22 [118], Zahout21 [652], Mason01 [429], Touraivane95 [593]	NaderiRR23 [460], WangB23 [629], EtminaniesfahaniGNMS22 [202], NaderiBZ22 [457], HeinzNVH22 [295], 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]	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]		ShaikhK23 [547], EmdeZD22 [199], Astrand21 [35], Astrand0F21 [36], AntuoriHHEN21 [22], ZarandiASC20 [654]
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]	EfthymiouY23 [194], WallaceY20 [627], NovasH12 [476]
ApplicationAreas	emergency service		EvenSH15a [204], TopaloglU11 [590]	ForbesHJST24 [217], EvenSH15 [203], SakkoutW00 [529]

Table 16: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
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]	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]	ZarandiASC20 [654], HechingH16 [288], DejemeppeD14 [174], RendlPHPR12 [516]	ShaikhK23 [547], AbreuNP23 [168], AkramNHRSA23 [13], IsikYA23 [321], 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], HoYCLLCLC18 [303], TanT18 [572], GedikKEK18 [233], TranVNB17 [599], TranVNB17a [600], DoulabiRP16 [190], BridiBLMB16 [120], BoothNB16 [114], BonfiettiLBM14 [109], DoulabiRP14 [189]... (Total: 33)
ApplicationAreas	nurse	GurPAE23 [270], FarsiTM22 [211], ZarandiASC20 [654], abs-1902-01193 [14], HoYCLLCLC18 [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]	PerezGSL23 [496], abs-2312-13682 [497], NaderiBZ22 [457], BourreauGGLT22 [118], FallahiAC20 [209], 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], YounespourAKE19 [645], GurEA19 [670], DoulabiRP16 [190], WangMD15 [630], DoulabiRP14 [189], Wolf11 [638]	ZarandiASC20 [654], Hooker19 [312], HookerH17 [314]	ForbesHJST24 [217], PerezGSL23 [496], abs-2312-13682 [497], WangB23 [629], GeibingerMM21 [237], TanT18 [572], MusliuSS18 [455], Wolf09 [640]
ApplicationAreas	oven scheduling	LacknerMMWW23 [374], LacknerMMWW21 [373]		ColT22 [160]
ApplicationAreas	patient	GurPAE23 [270], FarsiTM22 [211], ThomasKS20 [586], GurEA19 [670], FrimodigS19 [221], YounespourAKE19 [645], ShinBBHO18 [550], CappartTSR18 [130], HechingH16 [288], Dejemeppe16 [172], DoulabiRP16 [190], WangMD15 [630], DejemeppeD14 [174], RendlPHPR12 [516], Wolf11 [638], TopalogluO11 [590]	GeibingerKKMMW21 [234]	ForbesHJST24 [217], AlfieriGPS23 [15], NaderiBZ22 [457], AbreuAPNM21 [166], CauwelaertDS20 [142], MurinR19 [452], Hooker19 [312], HoYCLLCLC18 [303], TanT18 [572], 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], FarsiTM22 [211], FrimodigS19 [221], HookerH17 [314], WangMD15 [630], TopalogluO11 [590], Wolf11 [638]
ApplicationAreas	pipeline	BegB13 [75], LopesCSM10 [409], Lombardi10 [398], RuggieroBBMA09 [525], MouraSCL08 [450], MouraSCL08a [449], BeniniLMR08 [89], Malik08 [424], ErtlK91 [200]	ZouZ20 [669], TangLWSK18 [574], LombardiMRB10 [408], MalikMB08 [425], BeniniBGM06 [88], WolinskiKG04 [641], BeldiceanuC94 [78]	EfthymiouY23 [194], 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], 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]

Table 16: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
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]	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	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], 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], Mehdizadeh-Somarin23 [430], CzerniachowskaWZ23 [159], TouatBT22 [592], YunusogluY22 [648], 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], 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], Ham18 [273], ZhangW18 [660], TanT18 [572], AstrandJZ18 [37], ZarandiKS16 [653], Nattaf16 [461], TranWDRFOVB16 [601]... (Total: 57)
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], BajestaniB15 [43], NovasH12 [476]	QinWSLS21 [511], GokgurHO18 [249], HamC16 [276], Davenport10 [164], LombardiMRB10 [408], KrogtLPHJ07 [608]	LacknerMMWW23 [374], 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], 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]
ApplicationAreas	super-computer	BorghesiBLMB18 [115], BridiBLMB16 [120], BartoliniBBLM14 [60]		LuoB22 [416], GalleguillosKSB19 [225], HurleyOS16 [319], Dejemeppe16 [172]
ApplicationAreas	surgery	GurPAE23 [270], FarsiTM22 [211], GurEA19 [670], YounespourAKE19 [645], DoulabiRP16 [190], WangMD15 [630], DoulabiRP14 [189], Wolf11 [638], Wolf09 [640]	ZarandiASC20 [654], TopalogluO11 [590]	ForbesHJST24 [217], AlfieriGPS23 [15], NaderiBZ22 [457], Lemos21 [381], FrimodigS19 [221]
ApplicationAreas	torpedo	GoldwaserS18 [251], KletzanderM17 [347], GoldwaserS17 [250]	AntuoriHHEN20 [21]	Hooker19 [312]
ApplicationAreas	vaccine			
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		LimtanyakulS12 [393]	CzerniachowskaWZ23 [159], EmdeZD22 [199], AntuoriHHEN21 [22], BonfiettiZLM16 [113], SchildW00 [532], Wallace96 [625]
Industries	chemical industry		Timpe02 [588]	LaborieRSV18 [372], GilesH16 [243], 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]	OujanaAYB22 [487], GroleazNS20a [262], GroleazNS20 [263], EscobetPQPRA19 [201], HachemiGR11 [272], SimonisCK00 [560], Simonis99 [558], SimonisC95 [561], Simonis95 [557]
Industries	food-processing industry			KlankeBYE21 [346], abs-1902-09244 [282]
Industries	manufacturing industry			PrataAN23 [509], CzerniachowskaWZ23 [159], LacknerMMWW23 [374], WinterMMW22 [635], YuraszeckMPV22 [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], LopesCSM10 [409]
Industries	packaging industry			ArmstrongGOS21 [26]
Industries	petro-chemical industry			LaborieRSV18 [372], GilesH16 [243]
Industries	pharmaceutical industry			YuraszeckMCCR23 [651], CzerniachowskaWZ23 [159], GeibingerKKMMW21 [234], HamC16 [276], NovaraNH16 [473]
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], 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], 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	IsikYA23 [321], TardivoDFMP23 [575], AlfieriGPS23 [15], JuvinHHL23 [328], ShaikhK23 [547], LacknerMMWW23 [374], PovedaAA23 [506], Bit-Monnot23 [96], NaderiRR23 [460], AbreuNP23 [168], TasselGS23 [576], abs-2306-05747 [577], YuraszeckMCCR23 [651], BoudreaultSLQ22 [117], ZhangJZL22 [657], OuelletQ22 [486], abs-2211-14492 [566], ColT22 [160], TouatBT22 [592], AbreuN22 [167], MullerMKP22 [451], LiFJZLL22 [387], WinterMMW22 [635], JuvinHL22 [329], Teppan22 [579], HamPK21 [275], abs-2102-08778 [155], KoehlerBFFHPSSS21 [348], Groleaz21 [261]... (Total: 95)	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], NishikawaSTT19 [472], GeibingerMM19 [236], ArbaouiY18 [24], NishikawaSTT18 [470]... (Total: 84)	PrataAN23 [509], CzerniachowskaWZ23 [159], MontemanniD23 [447], EfthymiouY23 [194], KimCMLLP23 [345], SquillaciPR23 [564], SvancaraB22 [569], 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], ZouZ20 [669], abs-1901-07914 [77], HoundjiSW19 [316]... (Total: 134)
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], 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], MokhtarzadehTNF20 [443], AntuoriHHEN20 [21], LunardiBLRV20 [413], CauwelaertDS20 [142], BenediktMH20 [86], ThomasKS20 [586], Lunardi20 [414], GeibingerMM19 [236], MalapertN19 [423], YangSS19 [644], KucukY19 [368]... (Total: 58)
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], YuraszeckMC23 [649], SquillaciPR23 [564], JuvinHHL23 [328], YuraszeckMCCR23 [651], Bit-Monnot23 [96], abs-2306-05747 [577], NaderiRR23 [460], TasselGS23 [576], 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], BehrensLM19 [76], BadicaBIL19 [40], abs-1901-07914 [77]... (Total: 41)

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], abs-1902-09244 [282], AntunesABD18 [19], BlomPS16 [100]
Benchmarks	instance generator	LacknerMMWW23 [374], LacknerMMWW21 [373]	GoldwaserS18 [251], Froger16 [222]	abs-2402-00459 [469], ArmstrongGOS21 [26], Lunardi20 [414], Caballero19 [126], abs-1911-04766 [235], GoldwaserS17 [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], 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], BillautHL12 [95], LetortBC12 [383]... (Total: 38)
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], 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], NuijtenP98 [479], SimonisC95 [561], DincbasSH90 [184]	ForbesHJST24 [217], PrataAN23 [509], EfthymiouY23 [194], PovedaAA23 [506], IsikYA23 [321], GeitzGSSW22 [238], CampeauG22 [128], LuoB22 [416], ColT22 [160], NaderiBZ22 [457], Teppan22 [579], BoudreaultSLQ22 [117], YunusogluY22 [648], 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], YounespourAKE19 [645], MurinR19 [452], Caballero19 [126]... (Total: 89)

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], Lunardi20 [414], MokhtarzadehTNF20 [443], abs-1911-04766 [235], GeibingerMM19 [236], abs-1902-09244 [282], FrohnerTR19 [223], Dejemeppe16 [172], MelgarejoLS15 [11], EvenSH15 [203], EvenSH15a [204], RendlPHPR12 [516], Lombardi10 [398], MouraSCL08a [449], Beck99 [62]	PrataAN23 [509], IsikYA23 [321], abs-2306-05747 [577], AbreuNP23 [168], TasselGS23 [576], AalianPG23 [1], WangB23 [629], YuraszeckMCCR23 [651], SvancaraB22 [569], OujanaAYB22 [487], LuoB22 [416], MullerMKP22 [451], ArmstrongGOS21 [26], WessenCS20 [633], ZarandiASC20 [654], TangB20 [573], WallaceY20 [627], AntunesABD20 [20], AstrandJZ20 [38], ParkUJR19 [493], YounespourAKE19 [645], FrimodigS19 [221], RiahiNS018 [517], HoYCLLCLC18 [303], LaborieRSV18 [372], PourDERB18 [505], ShinBBHO18 [550], TranVNB17 [599], HookerH17 [314]... (Total: 44)	abs-2402-00459 [469], KimCMLLP23 [345], abs-2312-13682 [497], PovedaAA23 [506], JuvinHL23 [330], Bit-Monnot23 [96], TardivoDFMP23 [575], CzerniachowskaWZ23 [159], PerezGSL23 [496], ShaikhK23 [547], BourreauGGLT22 [118], EtminaniesfahaniGNMS22 [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], Astrand0F21 [36], abs-2102-08778 [155], AbreuAPNM21 [166], HillTV21 [302], BadicaBI20 [39]... (Total: 113)
Benchmarks	supplementary material	FarsiTM22 [211], Lunardi20 [414], MejiaY20 [431]	MontemanniD23 [447], SchuttFSW13 [541]	JuvinHHL23 [328], abs-2306-05747 [577], TasselGS23 [576], WinterMMW22 [635], ColT22 [160], BoudreaultSLQ22 [117], YunusogluY22 [648], KovacsTKSG21 [361], ArmstrongGOS21 [26], AntuoriHHEN21 [22], LacknerMMWW21 [373], MengZRZL20 [435], 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], 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: 49)	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], CauwelaertLS18 [141], NattafAL17 [463], Tesch16 [582], SialaAH15 [553], GayHLS15 [229], DerrienP14 [179], GuSS13 [265], OzturkTHO13 [488], ChuGNSW13 [147], HeinzSB13 [294], MenciaSV12 [433], LimtanyakulS12 [393], SimonisH11 [562], BeldiceanuCDP11 [80], HeckmanB11 [289], KelbelH11 [341], GrimesH11 [257], KovacsB11 [356], SchuttW10 [544], GrimesH10 [256], Vilim09a [617], abs-0907-0939 [499], GrimesHM09 [259]... (Total: 54)
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: 33)
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], Demassey03 [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], 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], 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]	FahimiOQ18 [206], GoldwaserS18 [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], 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], KameugneFGOQ18 [335], AstrandJZ18 [37], BaptisteB18 [46], GoldwaserS18 [251], CohenHB17 [154], YoungFS17 [646], ZarandiKS16 [653], Tesch16 [582], LuoVLBM16 [415], LimBTBB15 [391], WangMD15 [630], GrimesH15 [258]... (Total: 61)

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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
ArtiguesHQT21	ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	2021	ICORES 2021	[32]
FriedrichFMRSST	FriedrichFMRSST	G. Friedrich, M. Frühstück, V. Mersheeva, 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 Schedulingt 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 Constraint Model-based Programming	1994	ILPS 1994	[326]
Wallace94	Wallace94	M. Wallace	Applying Constraints for Scheduling	1994	Constraint Programming 1994	[624]

Table 21: ARTICLE without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
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	2023	Computers Operations Research	[3]
Adelgren2023	Adelgren2023	N. Adelgren, Christos T. Maravelias	On the utility of production scheduling formulations including record keeping variables	2023	Computers Industrial Engineering	[7]
AfsarVPG23	AfsarVPG23	S. Afsar, Camino R. Vela, Juan José Palacios, I. González-Rodríguez	Mathematical models and benchmarking for the fuzzy job shop scheduling problem	2023	Computers Industrial Engineering	[8]
FahimiQ23	FahimiQ23	H. Fahimi, C. Quimper	Overload-Checking and Edge-Finding for Robust Cumulative Scheduling	2023	INFORMS Journal on Computing	[207]
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	2023	Omega	[212]
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: Operations Logistics	[242]
GuoZ23	GuoZ23	P. Guo, J. Zhu	Capacity reservation for humanitarian relief: A logic-based Benders decomposition method with subgradient cut	2023	European Journal of Operational Research	[269]
JuvinHL23a	JuvinHL23a	C. Juvin, L. Houssin, P. Lopez	Logic-based Benders decomposition for the preemptive flexible job-shop scheduling problem	2023	Computers Operations Research	[331]
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]
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	2023	Computers Operations Research	[495]

Table 21: ARTICLE without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
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	2023	Omega	[666]
ElciOH22	ElciOH22	Özgün Elçi, John N. Hooker	Stochastic Planning and Scheduling with Logic-Based Benders Decomposition	2022	INFORMS Journal on Computing	[195]
HartmannB22	HartmannB22	S. Hartmann, D. Briskorn	An updated survey of variants and extensions of the resource-constrained project scheduling problem	2022	European Journal of Operational Research	[281]
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 Production Planning Problems	2022	INFORMS Journal on Computing	[428]
NaderiBZ22a	NaderiBZ22a	B. Naderi, Mehmet A. Begen, Gregory S. Zaric	Type-2 integrated process-planning and scheduling problem: Reformulation and solution algorithms	2022	Computers Operations Research	[456]
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. Begen, Dionne M. Aleman, David R. Urbach	Increased Surgical Capacity without Additional Resources: Generalized Operating Room Planning and Scheduling	2021	Production and Operations 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 Optimization	[268]
HauderBRPA20	HauderBRPA20	Viktoria A. Hauder, A. Beham, S. Raggl, Sophie N. Parragh, M. Affenzeller	Resource-constrained multi-project scheduling with activity and time flexibility	2020	Computers Industrial Engineering	[283]
RoshanaeiBAUB2	RoshanaeiBAUB2	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	2020	International Journal of Production Economics	[521]
ArkhipovBL19	ArkhipovBL19	D. Arkhipov, O. Battaïa, A. Lazarev	An efficient pseudo-polynomial algorithm for finding a lower bound on the makespan for the Resource Constrained Project Scheduling Problem	2019	European Journal of Operational Research	[25]
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]
NattafDYW19	NattafDYW19	M. Nattaf, S. Dauzère-Pérès, C. Yugma, C. Wu	Parallel machine scheduling with time constraints on machine qualifications	2019	Computers Operations Research	[465]
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]
GombolayWS18	GombolayWS18	Matthew C. Gombolay, Ronald J. Wilcox, Julie A. Shah	Fast Scheduling of Robot Teams Performing Tasks With Temporospatial Constraints	2018	IEEE Transactions on Robotics	[253]
Ham18a	Ham18a	A. Ham	Scheduling of Dual Resource Constrained Lithography Production: Using CP and MIP/CP	2018	IEEE Transactions on Semiconductor Manufacturing	[274]
RahmanianiCGR1	RahmanianiCGR1	R. Rahmaniani, Teodor Gabriel Crainic, M. Gendreau, W. Rei	The Benders decomposition algorithm: A literature review	2017	European Journal of Operational Research	[515]
RoshanaeiLAU17	RoshanaeiLAU17	V. Roshanaei, C. Luong, Dionne M. Aleman, D. Urbach	Propagating logic-based Benders' decomposition approaches for distributed operating room scheduling	2017	European Journal of Operational Research	[522]
RoshanaeiLAU17a	RoshanaeiLAU17a	V. Roshanaei, C. Luong, Dionne M. Aleman, David R. Urbach	Collaborative Operating Room Planning and Scheduling	2017	INFORMS Journal on Computing	[523]
CireCH16	CireCH16	Andre A. Ciré, E. Coban, John N. Hooker	Logic-based Benders decomposition for planning and scheduling: a computational analysis	2016	The Knowledge Engineering Review	[150]
HarjunkoskiMBC1	HarjunkoskiMBC1	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	2014	Computers Chemical Engineering	[279]

Table 21: ARTICLE without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
LombardiMB13	LombardiMB13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	2013	IEEE Transactions on Computers	[407]
MalapertCGJLR1	MalapertCGJLR1	A. Malapert, H. Cambazard, C. Guéret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	2012	INFORMS Journal on Computing	[421]
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]
YunesAH10	YunesAH10	T. Yunes, Ionuţ D. Aron, John N. Hooker	An Integrated Solver for Optimization Problems	2010	Operations Research	[647]
CorreaLR07	CorreaLR07	Ayoub Insa Corréa, A. Langevin, L. Rousseau	Scheduling and routing of automated guided vehicles: A hybrid approach	2007	Computers Operations Research	[158]
KolischH06	KolischH06	R. Kolisch, S. Hartmann	Experimental investigation of heuristics for resource-constrained project scheduling: An update	2006	European Journal of Operational Research	[349]
DemasseyAM05	DemasseyAM05	S. Demassey, C. Artigues, P. Michelon	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem	2005	INFORMS Journal on Computing	[176]
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]
JainM99	JainM99	A. Jain, S. Meeran	Deterministic job-shop scheduling: Past, present and future	1999	European Journal of Operational Research	[322]
BlazewiczDP96	BlazewiczDP96	J. Błażewicz, W. Domschke, E. Pesch	The job shop scheduling problem: Conventional and new solution techniques	1996	European Journal of Operational Research	[125]
NuijtenA96	NuijtenA96	W. Nuijten, E. Aarts	A computational study of constraint satisfaction for multiple capacitated job shop scheduling	1996	European Journal of Operational Research	[480]
Pape94	Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	1994	Intelligent Systems Engineering	[490]
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
ApplicationAreas	vaccine		0
Classification	Modified Generalized Assignment Problem		0
Classification	PP-MS-MMRCPSP	Y	1
Classification	Pre-emptive Job-Shop scheduling Problem		0
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow		0
Classification	SMSDP	Y	1
Classification	Steel-making and continuous casting		0
Concepts	make to stock		1

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	520	662
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	633	670
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	No	[521]	2020	International Journal of Production Economics	1	24	43	No	1550
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	588	691
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	1433	1586
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	399	729
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	1434	1594
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	603	738
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	381	742
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	1349	1602
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	521	752
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	1432	1605
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	601	757
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	604	758
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	1251	1607
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	488	789
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	519	791
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	1427	1624
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	1250	1626

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	459	796
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	1324	1628
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	602	804
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	458	809
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	1426	1641
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	600	816
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	1642
BajestaniB11 BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[41]	2011	ICAPS 2011	8	0	0	344	818
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	1261	1645
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	1322	1651
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	1345	1653
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	1272	1668
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	1283	1670
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	1443	1676
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	1344	1679
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	620	864
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	1258	1684
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	1263	1685
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[354]	2007	CPAIOR 2007	15	2	12	489	871
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	354	876
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[72]	2005	IJCAI 2005	6	0	0	358	886
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[132]	2005	CP 2005	1	0	0	388	887
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[642]	2005	CP 2005	1	0	0	629	903
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[71]	2004	ECAI 2004	5	0	0	357	905
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	356	916

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	1262	1700
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	1259	1715
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	2770	n/a
BeckF98 BeckF98	J. Christopher Beck, Mark S. Fox	A Generic Framework for Constraint-Directed Search and Scheduling	Yes	[67]	1998	AI Mag.	30	0	0	1260	1726
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	355	947

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	1278	1572
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[113]	2016	CP 2016	17	0	11	380	741
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	1280	1597
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	383	743
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	514	769
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	352	778
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence	28	8	15	1277	1619
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	378	781
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	377	792
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	518	799
LombardiMB13 LombardiMB13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	No	[407]	2013	IEEE Transactions on Computers	null	28	29	No	1629
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	376	806
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	379	807
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	1360	1636
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	1361	1637

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	1270	1647
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	375	819
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	515	828
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	517	838
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[402]	2010	Artificial Intelligence	30	8	24	1359	1662
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	1362	1663
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	516	847
MilanoW09 MilanoW09	M. Milano, M. Wallace	Integrating Operations Research in Constraint Programming	Yes	[441]	2009	Annals of Operations Research	40	34	46	1376	1673
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	1407	1675
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	366	856
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	365	877
MilanoW06 MilanoW06	M. Milano, M. Wallace	Integrating operations research in constraint programming	Yes	[440]	2006	4OR	45	18	46	1375	1692
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	1707
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[377]	1997	Artif. Intell. Eng.	15	11	7	1354	1732
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	384	951

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	630	709
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[251]	2018	J. Artif. Intell. Res.	32	8	0	1309	1577
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	1348	1581
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[455]	2018	CPAIOR 2018	17	7	23	540	720
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[250]	2017	CP 2017	16	0	10	442	731

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	1347	1590
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	631	739
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[543]	2016	CP 2016	17	3	23	572	754
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[570]	2016	CP 2016	10	9	14	586	755
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	418	763
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	1296	1608
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[362]	2015	CP 2015	17	7	16	494	767
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	1428	1625
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	394	793
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	451	795
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[537]	2013	CP 2013	17	10	20	569	802
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	570	803
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	1415	1632
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	568	813
Schutt11 Schutt11	A. Schutt	Improving Scheduling by Learning	Yes	[534]	2011	University of Melbourne, Australia	209	0	0	2792	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	1414	1656
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	573	840
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	1457	1667
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	571	849
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	574	899

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 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	1278	1572
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	1285	1573
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[113]	2016	CP 2016	17	0	11	380	741
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	1280	1597
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	383	743
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	514	769
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	352	778
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence	28	8	15	1277	1619
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	378	781
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	377	792
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	518	799
LombardiMB13 LombardiMB13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	No	[407]	2013	IEEE Transactions on Computers	null	28	29	No	1629
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	376	806
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	1360	1636
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	1361	1637
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	1270	1647
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	375	819
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	515	828
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	2786	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	517	838
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[402]	2010	Artificial Intelligence	30	8	24	1359	1662
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	1362	1663
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	516	847
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	366	856
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	466	869

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	630	709
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	407	715
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	1348	1581
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[455]	2018	CPAIOR 2018	17	7	23	540	720
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	1347	1590
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	1274	1595
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[543]	2016	CP 2016	17	3	23	572	754
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	385	761
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[362]	2015	CP 2015	17	7	16	494	767
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	1273	1618
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	510	790
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	451	795
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[537]	2013	CP 2013	17	10	20	569	802
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	570	803
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	1415	1632
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	452	808
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	568	813
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	1252	1643
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	1414	1656

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	1457	1667
OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[483]	2009	Constraints An Int. J.	35	127	15	1394	1674
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	571	849
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	No	[195]	2022	INFORMS Journal on Computing	null	2	34	No	1502
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	2814	n/a
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[311]	2017	CP 2017	14	6	24	469	732
HookerH17 HookerH17	John N. Hooker, Willem-Jan van Hoeve	Constraint programming and operations research	Yes	[314]	2017	Constraints An Int. J.	24	12	189	1330	1589
CireCH16 CireCH16	Andre A. Ciré, E. Coban, John N. Hooker	Logic-based Benders decomposition for planning and scheduling: a computational analysis	No	[150]	2016	The Knowledge Engineering Review	null	15	21	No	1598
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	457	749
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	No	[279]	2014	Computers Chemical Engineering	null	381	176	No	1621
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	396	794
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	1287	1648
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	398	835
Hooker10 Hooker10	John N. Hooker	Hybrid Modeling	No	[310]	2010	Hybrid Optimization	null	9	39	No	n/a
YunesAH10 YunesAH10	T. Yunes, Ionuţ D. Aron, John N. Hooker	An Integrated Solver for Optimization Problems	No	[647]	2010	Operations Research	null	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	1329	1687
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	1328	1690
BockmayrH05 BockmayrH05	A. Bockmayr, John N. Hooker	Constraint Programming	No	[102]	2005	Handbooks in Operations Research and Management Science	null	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	1327	1696
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[307]	2005	CP 2005	14	30	10	468	895
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
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[305]	2004	CP 2004	12	39	9	467	907
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[313]	2003	Mathematical Programming	28	317	0	1331	1701
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[315]	2002	CP 2002	5	8	7	470	928
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 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	475	644
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	455	659
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	672
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	No	[32]	2021	ICORES 2021	8	0	0	No	674
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	684
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	441	686
HebrardHJMPV16 HebrardHJMPV16	E. Hebrard, M. Huguet, N. Jozefowiez, 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	1321	1601
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	1311	1610
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[553]	2015	CP 2015	10	4	17	576	774
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	1419	1616
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	368	779
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	369	805
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	577	815
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	446	823

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	445	837
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[259]	2009	CP 2009	9	15	12	447	845
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[287]	2005	CP 2005	1	0	3	456	894

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	475	644
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	476	645
JuvinHL23a JuvinHL23a	C. Juvin, L. Houssin, P. Lopez	Logic-based Benders decomposition for the preemptive flexible job-shop scheduling problem	No	[331]	2023	Computers Operations Research	1	0	40	No	1485
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	455	659
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	1337	1509
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	1400	1548
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	1386	1561
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	1384	1591
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	1385	1603
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	1383	1613
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	1419	1616
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	369	805
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	577	815
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	501	827
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	1435	1658

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	1364	1718
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	1431	1723

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. Povéda, 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	556	650
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	455	659
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	1399	1515
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	No	[32]	2021	ICORES 2021	8	0	0	No	674
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	1400	1548
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	1386	1561
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	1384	1591
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	1385	1603
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	1383	1613
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[553]	2015	CP 2015	10	4	17	576	774
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	1419	1616
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	577	815
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	No	[176]	2005	INFORMS Journal on Computing	null	43	25	No	1695
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	904

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	1247	1713

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	1284	1540
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	595	692
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	1332	1559
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	387	714
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	1285	1573
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	386	728
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	391	745
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[173]	2015	CP 2015	16	5	11	405	762
GayHLS15 GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	Yes	[229]	2015	CP 2015	9	20	15	428	764
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	429	765
GayHS15a GayHS15a	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[231]	2015	CPAIOR 2015	16	5	12	430	766
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[232]	2014	CP 2014	15	7	11	431	787
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[317]	2014	CP 2014	16	5	7	471	788
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	1411	1655
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	567	863

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 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	656
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	673
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	1246	1536
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	710
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	2815	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	1312	1620
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[320]	2012	CP 2012	16	6	20	472	810
SimonisH11 SimonisH11	H. Simonis, T. Hadzic	A Resource Cost Aware Cumulative	Yes	[562]	2011	CSCLP 2011	14	3	9	582	829
Simonis07 Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[559]	2007	Constraints An Int. J.	30	10	17	1420	1689
SimonisCK00 SimonisCK00	H. Simonis, P. Charlier, P. Kay	Constraint Handling in an Integrated Transportation Problem	Yes	[560]	2000	IEEE Intell. Syst.	7	11	5	1421	1721
Simonis99 Simonis99	H. Simonis	Building Industrial Applications with Constraint Programming	Yes	[558]	1999	CCL'99 1999	39	5	18	580	940
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[557]	1995	CP 1995	4	7	3	578	956
Simonis95a Simonis95a	H. Simonis	Application Development with the CHIP System	Yes	[556]	1995	CONTESSA 1995	21	1	12	579	957
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[561]	1995	CP 1995	14	17	8	581	958
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	1291	1741
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.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 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	523	735
Madi-WambaB16 Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[417]	2016	CPAIOR 2016	16	0	0	522	753
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	1355	1612

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 *k-dimensional cumulative* Constraint	Yes	[384]	2013	CPAIOR 2013	16	3	10	504	798
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[383]	2012	CP 2012	16	18	12	503	811
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the *cumulative* constraint in the context of non-overlapping rectangles	Yes	[80]	2011	Annals of Operations Research	24	8	8	1267	1646
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	397	821
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	361	855
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	554	862
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources *cumulative* Constraint with Positive-Negative Resource Consumption-Production	Yes	[82]	2007	CPAIOR 2007	15	4	7	362	866
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	1398	1699
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[79]	2002	CP 2002	17	33	9	360	925
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	1243	1739

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	1278	1572
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	1280	1597
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	383	743
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence	28	8	15	1277	1619
LombardiMB13 LombardiMB13	M. Lombardi, M. Milano, L. Benini	Robust Scheduling of Task Graphs under Execution Time Uncertainty	No	[407]	2013	IEEE Transactions on Computers	null	28	29	No	1629
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	376	806
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	1270	1647
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	375	819
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	515	828

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	1362	1663
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	1407	1675
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	366	856
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	365	877

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	Willian T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem	Yes	[413]	2020	Computers Operations Research	20	30	18	1366	1544
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	499	719
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	1352	1582
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	529	770
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[621]	2015	CPAIOR 2015	17	31	19	616	775
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	1272	1668
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[370]	2009	CPAIOR 2009	15	53	2	498	846
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
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[245]	2005	ICAPS 2005	9	0	0	440	893
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	1351	1703
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	419	937

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	1253	1571
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[45]	2009	CP 2009	1	0	0	345	844
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	340	885
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	2769	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	1254	1714
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[492]	1998	Constraints An Int. J.	25	14	0	1397	1729
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	347	946
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	950

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	585	666
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	473	750
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	351	759
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	1256	1644

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	1255	1659
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	1257	1660
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	1437	1697
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[619]	2004	CP 2004	15	13	4	615	913
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[54]	2002	CP 2002	16	6	4	349	923
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[53]	2002	ERCIM/CologNet 2002	15	1	9	350	924

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	1352	1582
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[621]	2015	CPAIOR 2015	17	31	19	616	775
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[618]	2011	CPAIOR 2011	16	28	6	614	830
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)${\mathcal O}(kn {\rm log} n)	Yes	[616]	2009	CP 2009	15	25	4	612	851
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[617]	2009	CPAIOR 2009	15	13	4	613	852
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[615]	2005	CPAIOR 2005	14	5	8	611	900
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	1437	1697
Vilim04 Vilim04	P. Vilím	O(n log n) Filtering Algorithms for Unary Resource Constraint	Yes	[614]	2004	CPAIOR 2004	13	22	5	610	912
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[619]	2004	CP 2004	15	13	4	615	913
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[613]	2003	CP 2003	1	1	1	609	921
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[612]	2002	CP 2002	1	6	1	608	931

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	1440	1552
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	454	716
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	1428	1625
MilanoW09 MilanoW09	M. Milano, M. Wallace	Integrating Operations Research in Constraint Programming	Yes	[441]	2009	Annals of Operations Research	40	34	46	1376	1673
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	571	849
MilanoW06 MilanoW06	M. Milano, M. Wallace	Integrating operations research in constraint programming	Yes	[440]	2006	4OR	45	18	46	1375	1692
Wallace06 Wallace06	M. Wallace	Hybrid Algorithms in Constraint Programming	Yes	[626]	2006	CSCLP 2006	32	1	35	617	883
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	1410	1719
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[518]	1998	CP 1998	15	19	10	564	945
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[625]	1996	Constraints An Int. J.	30	87	55	1439	1736
Wallace94 Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[624]	1994	Constraint Programming 1994	19	0	0	No	962

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	1276	1596
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[113]	2016	CP 2016	17	0	11	380	741
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	514	769
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[109]	2014	Artificial Intelligence	28	8	15	1277	1619
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	378	781
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[110]	2013	ICAPS 2013	5	0	0	377	792
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[108]	2012	CPAIOR 2012	16	2	11	376	806
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	379	807
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	375	819
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	515	828

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	420	746
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	418	763
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	1296	1608
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	1411	1655
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[445]	2009	ICAPS 2009	8	0	0	533	848
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[186]	2008	CPAIOR 2008	16	1	2	411	857
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[299]	2008	CPAIOR 2008	5	13	3	462	858
MercierH08 MercierH08	L. Mercier, Pascal Van Hentenryck	Edge Finding for Cumulative Scheduling	Yes	[436]	2008	INFORMS Journal on Computing	21	32	5	1374	1683
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[298]	2004	CPAIOR 2004	16	12	14	461	906
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	1291	1741
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	1254	1714
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[479]	1998	J. Heuristics	16	42	0	1393	1728
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[492]	1998	Constraints An Int. J.	25	14	0	1397	1729

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	347	946
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	950
Pape94 Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	No	[490]	1994	Intelligent Systems Engineering	1	98	0	No	1738

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	1353	1486
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	622	669
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	432	677
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	434	678
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	500	683
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	433	702
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	1461	1570
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[455]	2018	CPAIOR 2018	17	7	23	540	720
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	486	733

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	No	[495]	2023	Computers Operations Research	1	0	34	No	1491

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	541	690
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	526	705
NattafDYW19 NattafDYW19	M. Nattaf, S. Dauzère-Pérès, C. Yugma, C. Wu	Parallel machine scheduling with time constraints on machine qualifications	No	[465]	2019	Computers Operations Research	16	14	21	No	1560
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	1386	1561
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	1384	1591
Nattaf16 Nattaf16	M. Nattaf	Ordonnancement sous contraintes d'énergie	Yes	[461]	2016	UPS Toulouse - Université Toulouse 3 Paul Sabatier	199	0	0	2791	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	1385	1603
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	1383	1613

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	382	657
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[486]	2022	CPAIOR 2022	17	1	22	548	663
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	530	689
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	1297	1574
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Sévérine 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	478	718
OuelletQ18 OuelletQ18	Y. Ouellet, C. Quimper	A O(n \log ˆ2 n) Checker and O(nˆ2 \log n) Filtering Algorithm for the Energetic Reasoning	Yes	[485]	2018	CPAIOR 2018	18	6	16	547	723
GingrasQ16 GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[244]	2016	IJCAI 2016	7	0	0	439	748
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	368	779
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[484]	2013	CP 2013	16	12	14	546	801

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	1433	1586
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	1434	1594
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	603	738
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	1432	1605
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	601	757
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	604	758
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	1427	1624
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	602	804
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	600	816

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	621	694
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	534	736
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	1355	1612
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the *k-dimensional cumulative* Constraint	Yes	[384]	2013	CPAIOR 2013	16	3	10	504	798
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[383]	2012	CP 2012	16	18	12	503	811
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the *cumulative* constraint in the context of non-overlapping rectangles	Yes	[80]	2011	Annals of Operations Research	24	8	8	1267	1646
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	361	855
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[79]	2002	CP 2002	17	33	9	360	925

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	631	739
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	569	802
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	570	803
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	1415	1632
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	1414	1656
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	1457	1667
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	571	849

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	1415	1632
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	452	808
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	568	813
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	1414	1656
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	1457	1667
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	387	714
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	1292	1599
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	553	772
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	412	785
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	525	800
MalapertCGJLR12 MalapertCGJLR12	A. Malapert, H. Cambazard, C. Guéret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	No	[421]	2012	INFORMS Journal on Computing	17	23	21	No	1638
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	393	820
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	1316	1650

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. Stöhr, A. Wolf	Solving the Extended Job Shop Scheduling Problem with AGVs - Classical and Quantum Approaches	Yes	[238]	2022	CPAIOR 2022	18	0	24	435	658
Wolf11 Wolf11	A. Wolf	Constraint-Based Modeling and Scheduling of Clinical Pathways	Yes	[638]	2011	CSCLP 2011	17	5	19	626	831
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	573	840
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	625	853
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	574	899
Wolf05 Wolf05	A. Wolf	Better Propagation for Non-preemptive Single-Resource Constraint Problems	Yes	[637]	2005	CSCLP 2005	15	4	8	624	901
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	627	902
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[636]	2003	CP 2003	15	11	7	623	922

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	1246	1536
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	710
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	1311	1610
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	1312	1620
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	446	823
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	445	837
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[259]	2009	CP 2009	9	15	12	447	845

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	528	648
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	1464	1495
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	1323	1507
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	1438	1532
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	1269	1539
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	364	713
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	1340	1652

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 KameugneFND23	R. Kameugne, Sévérine 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	479	646
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	595	692
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Sévérine 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	478	718
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[334]	2015	Constraints An Int. J.	2	0	0	1338	1611
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	2782	n/a
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	1339	1622
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	480	826

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 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	1345	1653
KovacsK11 KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[358]	2011	Constraints An Int. J.	24	3	24	1346	1654
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	1344	1679
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[354]	2007	CPAIOR 2007	15	2	12	489	871
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	493	880
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	490	896
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[359]	2004	CP 2004	15	3	12	492	908

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 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	656

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	673
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	1246	1536
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	710
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	2815	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	1312	1620
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[320]	2012	CP 2012	16	6	20	472	810

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	1388	1604
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	1392	1623
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	1391	1640
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	1390	1665
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	1451	1666
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	561	898
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	1450	1698

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	406	782
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[317]	2014	CP 2014	16	5	7	471	788
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	1411	1655
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[445]	2009	ICAPS 2009	8	0	0	533	848
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	567	863
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	532	874

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	459	796
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	1324	1628
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	458	809
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	1325	1634
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[293]	2011	SEA 2011	10	5	12	460	824
BertholdHLMS10 BertholdHLMS10	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	367	834

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	541	690
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	526	705
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	525	800
MalapertCGJLR12 MalapertCGJLR12	A. Malapert, H. Cambazard, C. Guéret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	No	[421]	2012	INFORMS Journal on Computing	17	23	21	No	1638
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	2788	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	447	845

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	440	893
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	419	937
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[563]	2000	INFORMS Journal on Computing	12	7	14	1422	1722
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[479]	1998	J. Heuristics	16	42	0	1393	1728

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. Müller, Marcus Gerhard Müller, D. Kress, E. Pesch	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning	Yes	[451]	2022	European Journal of Operational Research	18	17	59	1380	1511

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, Toăn 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	938
BlazewiczDP96 BlazewiczDP96	J. Błażewicz, W. Domschke, E. Pesch	The job shop scheduling problem: Conventional and new solution techniques	No	[125]	1996	European Journal of Operational Research	null	344	127	No	1734

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 *cumulative* constraint in the context of non-overlapping rectangles	Yes	[80]	2011	Annals of Operations Research	24	8	8	1267	1646
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[499]	2009	CoRR	12	0	0	1456	1677
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	361	855
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	554	862
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources *cumulative* Constraint with Positive-Negative Resource Consumption-Production	Yes	[82]	2007	CPAIOR 2007	15	4	7	362	866
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	1398	1699

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	1382	1489
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	1514
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	1529
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	No	[521]	2020	International Journal of Production Economics	1	24	43	No	1550
RoshanaeiLAU17 RoshanaeiLAU17	V. Roshanaei, C. Luong, Dionne M. Aleman, D. Urbach	Propagating logic-based Benders' decomposition approaches for distributed operating room scheduling	No	[522]	2017	European Journal of Operational Research	null	61	46	No	1592
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	1593

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	1284	1540
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	391	745
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	2773	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	405	762
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	406	782

D.45 Works by Sophie Demassey

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 *cumulative* constraint in the context of non-overlapping rectangles	Yes	[80]	2011	Annals of Operations Research	24	8	8	1267	1646
HermenierDL11 HermenierDL11	F. Hermenier, S. Demassey, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[300]	2011	CP 2011	15	28	5	463	825
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	No	[176]	2005	INFORMS Journal on Computing	null	43	25	No	1695
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	2774	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	No	[279]	2014	Computers Chemical Engineering	null	381	176	No	1621
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	527	910
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	1320	1705
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	1335	1710

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	1295	1504
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	1428	1625
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	451	795
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	452	808

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. 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	525	800
MalapertCGJLR12 MalapertCGJLR12	A. Malapert, H. Cambazard, C. Guéret, N. Jussien, A. Langevin, L. Rousseau	An Optimal Constraint Programming Approach to the Open-Shop Problem	No	[421]	2012	INFORMS Journal on Computing	17	23	21	No	1638
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	397	821
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	415	926
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	416	927

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	1389	1563

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	1388	1604
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	1392	1623
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	1391	1640
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	1390	1665

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	1246	1536
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	710
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	538	771
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	1443	1676
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[642]	2005	CP 2005	1	0	0	629	903

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	1382	1489

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	1381	1512
NaderiBZ22a NaderiBZ22a	B. Naderi, Mehmet A. Begen, Gregory S. Zaric	Type-2 integrated process-planning and scheduling problem: Reformulation and solution algorithms	No	[456]	2022	Computers Operations Research	1	3	44	No	1513
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	1514
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	1529

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	1246	1536
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	710
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[551]	2015	Constraints An Int. J.	2	4	0	1418	1615
Siala15a Siala15a	M. Siala	Search, propagation, and learning in sequencing and scheduling problems. (Recherche, propagation et apprentissage dans les problèmes de séquencement et d'ordonnancement)	Yes	[552]	2015	INSA Toulouse, France	199	0	0	2793	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	576	774

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	1464	1495
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	1323	1507
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	1438	1532
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	364	713
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	351	759

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	1246	1536
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	710
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	1263	1685
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[72]	2005	IJCAI 2005	6	0	0	358	886
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[71]	2004	ECAI 2004	5	0	0	357	905

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 ArtiguesDN08		Resource Constrained Project Scheduling	No	[31]	2008	Book	null	63	0	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
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	2768	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	2780	n/a
Groleaz21 Groleaz21	L. Groleaz	The Group Cumulative Scheduling Problem	Yes	[261]	2021	Université de Lyon	153	0	0	2781	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	2784	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	2794	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	2787	n/a
Caballero19 Caballero19	Jordi Coll Caballero	Scheduling Through Logic-Based Tools	Yes	[126]	2019	Universitat de Girona, Spain	194	0	0	2771	n/a
German18 German18	G. German	Constraint programming for lot-sizing problems	Yes	[240]	2018	Université Grenoble Alpes	112	0	0	2779	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	2773	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	2777	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	2778	n/a
Nattaf16 Nattaf16	M. Nattaf	Ordonnancement sous contraintes d'énergie	Yes	[461]	2016	UPS Toulouse - Université Toulouse 3 Paul Sabatier	199	0	0	2791	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	2775	n/a
Siala15a Siala15a	M. Siala	Search, propagation, and learning in sequencing and scheduling problems. (Recherche, propagation et apprentissage dans les problèmes de séquencement et d'ordonnancement)	Yes	[552]	2015	INSA Toulouse, France	199	0	0	2793	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	2782	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	2785	n/a
Clercq12 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	2772	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	2788	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	2790	n/a
Schutt11 Schutt11	A. Schutt	Improving Scheduling by Learning	Yes	[534]	2011	University of Melbourne, Australia	209	0	0	2792	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	2786	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	2789	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	2774	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	2776	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	2769	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	2783	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	2770	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	2741	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	2765	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	2767	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	2747	n/a
Clercq12 [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	2757	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	2749	n/a
Demassey03 [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	2763	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	2753	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, Roadef	time-tabling	2764	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, Roadef, real-world	time-tabling, not-first, not-last, energetic reasoning, edge-finding, max-flow, sweep	2750	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, Roadef, generated instance	max-flow	2751	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		2748	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	2742	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	2743	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	2755	n/a
Layfield02 [380]	230				C	OZ, Z3, OPL					2766	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	2744	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	2756	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	2761	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		2746	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	2758	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	2762	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	2759	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	2752	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, instance generator, benchmark	sweep, edge-finding, edge-finder, not-last, time-tabling, not-first, energetic reasoning	2760	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, Roadef, real-world, CSPlib	time-tabling, edge-finding	2754	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		2745	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, Toän 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, 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

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	2814	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	2815	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	2816	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	time-tabling	2808	n/a
HurleyOS16 [319]	14	re-scheduling, distributed, resource, scheduling, task, order, machine		cumulative			supercomputer, energy-price, datacentre		real-world, benchmark		2809	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	2812	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	No	[281]	2022	European Journal of Operational Research	null	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	No	[515]	2017	European Journal of Operational Research	null	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, Ionuţ D. Aron, John N. Hooker	An Integrated Solver for Optimization Problems	No	[647]	2010	Operations Research	null	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	No	[349]	2006	European Journal of Operational Research	null	503	62	No	n/a
BockmayrH05 BockmayrH05	A. Bockmayr, John N. Hooker	Constraint Programming	No	[102]	2005	Handbooks in Operations Research and Management Science	null	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. Appl. Math.	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	null	149	14	No	n/a
Benders62 Benders62	Jacques F. Benders	Partitioning procedures for solving mixed-variables programming problems	Yes	[85]	1962	Numerische Mathematik	15	2583	6	No	n/a