

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: 560)

1	2	3	4	5	6
AalianPG23 [1]	AbohashimaEG21 [2]	AbreuAPNM21 [141]	AbreuN22 [142]	AbreuNP23 [143]	AbreuPNF23 [3]
AbrilSB05 [4]	Acuna-AgostMFG09 [5]	AdamsBZ88 [6]	AggounB93 [7]	AkkerDH07 [503]	AkramNHRSA23 [9]
AlesioNBG14 [154]	AlfieriGPS23 [11]	AlizdehS20 [12]	AngelsmarkJ00 [13]	AntuoriHHEN20 [14]	AntuoriHHEN21 [15]
ApplegateC91 [16]	ArbaouiY18 [17]	ArmstrongGOS21 [18]	ArmstrongGOS22 [19]	AronssonBK09 [20]	ArtiguesBF04 [21]
ArtiguesHQT21 [22]	ArtiguesR00 [23]	ArtiouchineB05 [24]	Astrand0F21 [26]	Astrand21 [25]	AstrandJZ18 [27]
AstrandJZ20 [28]	BadicaBI20 [29]	BadicaBIL19 [30]	BajestaniB11 [31]	BajestaniB13 [32]	BajestaniB15 [33]
BandaSC11 [144]	Baptiste09 [34]	BaptisteB18 [35]	BaptisteLPN06 [36]	BaptisteLV92 [40]	BaptisteP00 [38]
BaptisteP97 [37]	BaptistePN01 [39]	BarlattCG08 [41]	Bartak02 [43]	Bartak02a [42]	Bartak14 [44]
BartakCS10 [45]	BartakS11 [46]	BartakSR10 [47]	BartakV15 [48]	BartoliniBBLM14 [49]	BarzegaranZP20 [50]
Beck06 [52]	Beck07 [53]	Beck99 [51]	BeckDF97 [54]	BeckF00 [57]	BeckF98 [56]
BeckFW11 [55]	BeckPS03 [58]	BeckR03 [59]	BeckW04 [60]	BeckW05 [61]	BeckW07 [62]
Bedhief21 [63]	BegB13 [64]	BehrensLM19 [65]	BeldiceanuC02 [68]	BeldiceanuC94 [67]	BeldiceanuCDP11 [69]
BeldiceanuCP08 [70]	BeldiceanuP07 [71]	BelhadjiI98 [72]	BenderWS21 [73]	Benders62 [74]	BenediktMH20 [75]
BenediktSMVH18 [76]	BeniniBGM06 [77]	BeniniLMR11 [78]	BensanaLV99 [79]	BertholdHLMS10 [80]	BessiereHMQW14 [81]
BidotVLB09 [82]	BillautHL12 [83]	Bit-Monnot23 [84]	BlazewiczEP19 [85]	BlazewiczLK83 [86]	BlomBPS14 [87]
BlomPS16 [88]	BocewiczBB09 [89]	BofillCSV17 [90]	BofillEGPSV14 [91]	BofillGSV15 [92]	BogaerdtW19 [504]
Bonfietti16 [93]	BonfiettiLBM11 [94]	BonfiettiLBM12 [95]	BonfiettiLBM14 [96]	BonfiettiLM13 [97]	BonfiettiLM14 [98]
BonfiettiM12 [99]	BonfiettiZLM16 [100]	BoothNB16 [101]	BorghesiBLMB18 [102]	BoucherBVBL97 [103]	BoudreaultSLQ22 [104]
BourreauGGLT22 [105]	BreitingerL95 [106]	BridiBLMB16 [107]	BridiLBBM16 [108]	BruckerDMNP99 [109]	BrusoniCLMMT96 [110]
BurtLPS15 [111]	Caballero23 [112]	CampeauG22 [113]	CappartS17 [114]	CappartTSR18 [115]	CarchraeBF05 [116]
CarlierP89 [117]	CarlierP90 [118]	CarlierP94 [119]	Caseau97 [120]	CauwelaertDMS16 [121]	CauwelaertDS20 [123]
CauwelaertLS18 [122]	CestaOS98 [124]	ChapadosJR11 [125]	ChuGNSW13 [126]	ChuX05 [127]	CireCH13 [128]
ClercqPBJ11 [129]	CobanH10 [130]	CohenHB17 [131]	ColT19 [133]	ColT22 [134]	Colombani96 [135]
CzerniachowskaWZ23 [136]	DannaP03 [137]	Darby-DowmanLMZ97 [138]	Davenport10 [139]	DavenportKRSH07 [140]	DechterMP91 [145]
Dejemeppe16 [146]	DejemeppeCS15 [147]	DejemeppeD14 [148]	Demassey03 [149]	DemirovicS18 [150]	Derrien15 [151]
DerrienP14 [152]	DerrienPZ14 [153]	DilkinaDH05 [155]	DincbasSH90 [156]	DoomsH08 [157]	DoulabiRP14 [158]
DoulabiRP16 [159]	EdisO11 [160]	EfthymiouY23 [161]	ElkhyariGJ02 [162]	ElkhyariGJ02a [163]	ErtlK91 [164]
EscobetPQPRA19 [165]	EvenSH15 [166]	EvenSH15a [167]	FahimiOQ18 [168]	FalaschiGMP97 [169]	FallahiAC20 [170]
FanXG21 [171]	FarsiTM22 [172]	Fatemi-AnarakiMFN22 [173]	FetgoD22 [174]	FocacciLN00 [175]	FontaineMH16 [176]
FortinZDF05 [177]	FrankK05 [178]	FriedrichFMRSS14 [179]	FrimodigS19 [180]	FrohnerTR19 [181]	FrostD98 [182]
GalleguillosKSB19 [183]	GarganiR07 [184]	GarridoAO09 [185]	GarridoOS08 [186]	GayHLS15 [187]	GayHS15 [188]
GayHS15a [189]	GaySS14 [190]	GedikKEK18 [191]	GeibingerKKMMW21 [192]	GeibingerMM19 [194]	GeibingerMM21 [195]
GeitzGSSW22 [196]	GelainPRVW17 [197]	Geske05 [198]	GilesH16 [199]	GingrasQ16 [200]	GodardLN05 [201]
Godet21a [202]	GodetLHS20 [203]	GoelSHFS15 [204]	GokgurHO18 [205]	GoldwaserS17 [206]	GoldwaserS18 [207]
Goltz95 [208]	GomesHS06 [209]	GrimesH10 [210]	GrimesH11 [211]	GrimesH15 [212]	GrimesHM09 [213]
GrimesIOS14 [214]	GroleazNS20 [216]	GroleazNS20a [215]	GruianK98 [217]	GuSS13 [218]	GuSW12 [219]

Table 1: Key Overview (Total: 560)

1	2	3	4	5	6
GurEA19 [560]	GurPAE23 [220]	HachemiGR11 [221]	Ham18 [222]	HamC16 [224]	HamPK21 [223]
HananKP21 [225]	HarjunkoskiG02 [226]	HartmannB10 [227]	He0GLW18 [229]	HebrardALLCMR22 [230]	HebrardHJMPV16 [231]
HebrardTW05 [232]	HechingH16 [233]	HeckmanB11 [234]	HeinzB12 [235]	HeinzKB13 [236]	HeinzNVH22 [240]
HeinzS11 [238]	HeinzSB13 [239]	HeinzSSW12 [237]	HeipckeCCS00 [242]	HentenryckM04 [243]	HentenryckM08 [244]
HermenierDL11 [245]	HillTV21 [246]	HoYCLLC18 [247]	HoeveGSL07 [506]	Hooker00 [248]	Hooker04 [249]
Hooker05 [250]	Hooker05a [251]	Hooker06 [252]	Hooker07 [253]	Hooker17 [254]	Hooker19 [255]
HookerH18 [257]	HookerO03 [256]	HookerY02 [258]	HoundjiSWD14 [259]	HubnerGSV21 [260]	IfrimOS12 [261]
IsikYA23 [262]	JainG01 [263]	Jans09 [264]	JelinekB16 [265]	JourdanFRD94 [266]	JungblutK22 [267]
JuvinHHL23 [268]	JuvinHL23 [269]	KamarainenS02 [270]	Kameugne15 [271]	KameugneFGOQ18 [272]	KameugneFND23 [273]
KameugneFSN11 [274]	KameugneFSN14 [275]	KanetAG04 [276]	KelarevaTK13 [277]	KelbelH11 [278]	KeriK07 [279]
KhayatLR06 [280]	KhemmoudjPB06 [281]	KimCMLLP23 [282]	KlankeBYE21 [283]	KletzanderM17 [284]	KoehlerBFFHPSSS21 [285]
KolischS97 [286]	KorbaaYG00 [288]	KorbaaYG99 [287]	KoschB14 [289]	KovacsB07 [290]	KovacsB08 [291]
KovacsB11 [292]	KovacsEKV05 [293]	KovacsK11 [294]	KovacsTKSG21 [297]	KovacsV04 [295]	KovacsV06 [296]
KreterSS15 [298]	KreterSS17 [299]	KreterSSZ18 [300]	KrogtLPHJ07 [505]	KuB16 [301]	KuchcinskiW03 [302]
KucukY19 [304]	Kumar03 [303]	Laborie03 [305]	Laborie09 [306]	Laborie18a [307]	LaborieRSV18 [308]
LacknerMMWW21 [309]	LacknerMMWW23 [310]	LahimerLH11 [311]	LammaMM97 [312]	LauLN08 [313]	Layfield02 [314]
Lemos21 [315]	LetortBC12 [316]	LetortCB13 [317]	LetortCB15 [318]	LiFJZLL22 [319]	LiessM08 [320]
LimBTBB15 [323]	LimHTB16 [322]	LimRX04 [321]	Limtanyakul07 [324]	LimtanyakulS12 [325]	LipovetzkyBPS14 [326]
LiuCGM17 [328]	LiuJ06 [329]	LiuLH19 [327]	Lombardi10 [330]	LombardiBM15 [331]	LombardiBMB11 [332]
LombardiM09 [333]	LombardiM10 [335]	LombardiM10a [334]	LombardiM12 [337]	LombardiM12a [336]	LombardiM13 [338]
LopesCSM10 [339]	LopezAKYG00 [340]	LorigeonBB02 [341]	LouieVNB14 [342]	Lunardi20 [344]	LunardiBLRV20 [343]
LuoB22 [346]	LuoVLBM16 [345]	Madi-WambaB16 [347]	Madi-WambaLOBM17 [348]	MakMS10 [349]	Malapert11 [350]
MalapertN19 [351]	Malik08 [352]	MalikMB08 [353]	MaraveliasG04 [354]	MartinPY01 [355]	Mason01 [356]
Mehdizadeh-Somarin23 [357]	MejiaY20 [358]	MelgarejoLS15 [8]	Menana11 [359]	MengZRZL20 [360]	Mercier-AubinGQ20 [362]
MercierH08 [361]	MoffittPP05 [363]	MokhtarzadehTNF20 [364]	MonetteDD07 [365]	MonetteDH09 [366]	MontemanniD23 [368]
MontemanniD23a [367]	MossigeGSMC17 [369]	MouraSCL08 [371]	MouraSCL08a [370]	MullerMKP22 [372]	MurinR19 [373]
MurphyMB15 [374]	Muscettola02 [375]	MusliuSS18 [376]	NaderiBZ22 [377]	NaderiRR23 [378]	NattafAL15 [379]
NattafAL17 [380]	NattafM20 [381]	NethercoteSBDT07 [382]	NishikawaSTT18 [384]	NishikawaSTT18a [385]	NishikawaSTT19 [386]
NovaraNH16 [387]	Novas19 [388]	NovasH10 [389]	NovasH12 [390]	NovasH14 [391]	NuijtenA94 [392]
NuijtenP98 [393]	OddiPCC03 [394]	OhrimenkoSC09 [395]	OuelletQ13 [396]	OuelletQ18 [397]	OuelletQ22 [398]
OujanaAYB22 [399]	OzturkTHO13 [400]	PandeyS21a [401]	PapaB98 [404]	Pape94 [402]	PapeB97 [403]
ParkUJR19 [405]	PembertonG98 [406]	PerezGSL23 [407]	PesantRR15 [409]	PoderB08 [411]	PoderBS04 [412]
PohlAK22 [413]	Polo-MejiaALB20 [414]	PopovicCGNC22 [415]	PourDERB18 [416]	PovedaAA23 [417]	Pralet17 [418]
PraletLJ15 [419]	PrataAN23 [420]	Puget95 [421]	QinDCS20 [423]	QinWLS21 [422]	QuSN06 [424]
QuirogaZH05 [425]	RendlPHPR12 [426]	RiahiNS018 [427]	RodosekW98 [428]	Rodriguez07 [430]	RodriguezDG02 [429]
RossiTHP07 [431]	RuggieroBBMA09 [432]	SacramentoSP20 [433]	Sadykov04 [434]	SadykovW06 [435]	SakkoutW00 [436]

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1	2	3	4	5	6
SchausHMCMD11 [437]	SchildW00 [438]	SchuttCSW12 [439]	SchuttFS13 [441]	SchuttFS13a [440]	SchuttFSW09 [442]
SchuttFSW11 [444]	SchuttFSW13 [445]	SchuttFSW15 [446]	SchuttS16 [447]	SchuttW10 [448]	SchuttWS05 [449]
SerraNM12 [450]	ShaikhK23 [451]	Shaw98 [452]	ShiYXQ22 [453]	ShinBBHO18 [454]	Siala15 [455]
Siala15a [456]	SialaAH15 [457]	SimoninAHL12 [458]	SimoninAHL15 [459]	Simonis07 [461]	Simonis95 [460]
SimonisC95 [462]	SourdN00 [463]	SquillaciPR23 [464]	SubulanC22 [465]	SunLYL10 [467]	SureshMOK06 [468]
SvancaraB22 [469]	SzerediS16 [470]	Taillard93 [471]	TangB20 [472]	TangLWSK18 [473]	TardivoDFMP23 [474]
TasselGS23 [475]	Tay92 [477]	Teppan22 [478]	TerekhovDOB12 [479]	TerekhovTDB14 [480]	Tesch16 [481]
Tesch18 [482]	ThiruvadyBME09 [483]	ThiruvadyWGS14 [484]	Thorsteinsson01 [485]	Timpe02 [486]	Tom19 [487]
TopalogluO11 [488]	TorresL00 [489]	TouatBT22 [490]	Touraivane95 [491]	TranAB16 [492]	TranB12 [493]
TranDRFWOVB16 [494]	TranPZLDB18 [495]	TranTDB13 [496]	TranVNB17 [497]	TranVNB17a [498]	TranWDRFOVB16 [499]
TrojetHL11 [500]	Tsang03 [501]	ValleMGT03 [502]	VanczaM01 [507]	VerfaillieL01 [508]	Vilim02 [509]
Vilim03 [510]	Vilim04 [511]	Vilim05 [512]	Vilim09 [513]	Vilim09a [514]	Vilim11 [515]
VilimBC04 [516]	VilimBC05 [517]	VilimLS15 [518]	VillaverdeP04 [519]	VlkHT21 [520]	Wallace94 [521]
Wallace96 [522]	WallaceY20 [523]	WangB20 [524]	WangB23 [525]	WangMD15 [526]	WariZ19 [527]
WatsonB08 [528]	WessenCS20 [529]	WikarekS19 [530]	WinterMMW22 [531]	Wolf03 [532]	WolfS05 [533]
WolinskiKG04 [534]	WuBB05 [535]	WuBB09 [536]	YangSS19 [537]	YounespourAKE19 [538]	YoungFS17 [539]
YunusogluY22 [540]	YuraszeckMC23 [541]	YuraszeckMCCR23 [543]	YuraszeckMPV22 [542]	ZarandiASC20 [545]	ZarandiKS16 [544]
ZeballosH05 [546]	ZeballosQH10 [547]	ZhangBB22 [549]	ZhangJZL22 [548]	ZhangLS12 [552]	ZhangW18 [551]
ZhangYW21 [550]	Zhou96 [553]	Zhou97 [554]	ZhouGL15 [555]	ZhuS02 [556]	ZibranR11 [557]
ZibranR11a [558]	ZouZ20 [559]	abs-0907-0939 [410]	abs-1009-0347 [443]	abs-1901-07914 [66]	abs-1902-01193 [10]
abs-1902-09244 [228]	abs-1911-04766 [193]	abs-2102-08778 [132]	abs-2211-14492 [466]	abs-2305-19888 [241]	abs-2306-05747 [476]
abs-2312-13682 [408]	abs-2402-00459 [383]				

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 310)

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	311	613
Bit-Monnot23 Bit-Monnot23	A. Bit-Monnot	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	Yes	[84]	2023	ECAI 2023	8	0	0	353	614
EfthymiouY23 EfthymiouY23	N. Efthymiou, N. Yorke-Smith	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	Yes	[161]	2023	CPAIOR 2023	16	0	23	396	615
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[268]	2023	CP 2023	16	0	0	457	616
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[269]	2023	CPAIOR 2023	16	0	11	458	617
KameugneFND23 KameugneFND23	R. Kameugne, Séverine Betmbe Fetgo, T. Noulamo, Clémentin Tayou Djamégni	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	Yes	[273]	2023	CP 2023	17	0	0	461	618
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	[282]	2023	CPAIOR 2023	16	0	13	466	619
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	[357]	2023	APMS 2023	14	0	0	508	620
PerezGSL23 PerezGSL23	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	Yes	[407]	2023	ICTAI 2023	7	0	0	533	621
PovedaAA23 PovedaAA23	G. Pováda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	Yes	[417]	2023	CP 2023	21	0	0	537	622
SquillaciPR23 SquillaciPR23	S. Squillaci, C. Pralet, S. Roussel	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Yes	[464]	2023	CPAIOR 2023	17	0	19	561	623
TardivoDFMP23 TardivoDFMP23	F. Tardivo, A. Dovier, A. Formisano, L. Michel, E. Pontelli	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	Yes	[474]	2023	CPAIOR 2023	18	0	30	566	624
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	[475]	2023	ICAPS 2023	9	0	0	567	625
WangB23 WangB23	R. Wang, N. Barnier	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	Yes	[525]	2023	ICTAI 2023	8	0	0	594	626
YuraszeckMC23 YuraszeckMC23	F. Yuraszeck, G. Mejía, D. Canut-de-Bon	A competitive constraint programming approach for the group shop scheduling problem	Yes	[541]	2023	ANT 2023	6	1	15	604	627
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	[19]	2022	CPAIOR 2022	13	0	14	321	628
BoudreaultSLQ22 BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling	Yes	[104]	2022	CP 2022	16	0	0	365	629
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	[196]	2022	CPAIOR 2022	18	0	24	417	630
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	[230]	2022	IJCAI 2022	7	0	0	437	631
JungblutK22 JungblutK22	P. Jungblut, D. Kranzlmüller	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	Yes	[267]	2022	IPDPS 2022	4	0	0	456	632
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	[319]	2022	ICNSC 2022	6	0	31	487	633

Table 2: Works from bibtex (Total 310)

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	[346]	2022	CPAIOR 2022	17	0	28	501	634
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[398]	2022	CPAIOR 2022	17	1	22	529	635
OujanaAYB22 OujanaAYB22	S. Oujana, L. Amodeo, F. Yalaoui, D. Brodard	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	Yes	[399]	2022	CoDIT 2022	6	1	21	530	636
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	[415]	2022	CP 2022	15	0	0	536	637
SvancaraB22 SvancaraB22	J. Svancara, R. Barták	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling	Yes	[469]	2022	ICAART 2022	8	0	0	563	638
Teppan22 Teppan22	Erich Christian Teppan	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	Yes	[478]	2022	ICAART 2022	8	0	0	568	639
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	[490]	2022	ICAART 2022	8	0	0	574	640
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[531]	2022	CP 2022	18	0	0	597	641
ZhangBB22 ZhangBB22	J. Zhang, Giovanni Lo Bianco, J. Christopher Beck	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware	Yes	[549]	2022	ICAPS 2022	9	0	0	605	642
ZhangJZL22 ZhangJZL22	H. Zhang, Y. Ji, Z. Zhao, S. Liu	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	Yes	[548]	2022	ICNSC 2022	6	0	21	606	643
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	[15]	2021	CP 2021	16	0	0	318	644
ArmstrongGOS21 ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[18]	2021	CP 2021	18	1	0	320	645
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	No	[22]	2021	ICORES 2021	8	0	0	No	646
Astrand0F21 Astrand0F21	M. Åstrand, M. Johansson, Hamid Reza Feyzmahdavian	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	Yes	[26]	2021	CPAIOR 2021	18	2	25	325	647
BenderWS21 BenderWS21	T. Bender, D. Wittwer, T. Schmidt	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	Yes	[73]	2021	ICCL 2021	16	1	16	347	648
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[192]	2021	CPAIOR 2021	10	0	6	414	649
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[195]	2021	AAAI 2021	9	0	0	416	650
HanenKP21 HanenKP21	C. Hanen, Alix Munier Kordon, T. Pedersen	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Yes	[225]	2021	CPAIOR 2021	17	1	24	435	651
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	[246]	2021	CPAIOR 2021	19	0	38	446	652
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	[283]	2021	CPAIOR 2021	16	3	13	467	653
KovacsTKSG21 KovacsTKSG21	B. Kovács, P. Tassel, W. Kohlenbrein, P. Schrott-Kostwein, M. Gebser	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Yes	[297]	2021	CP 2021	17	0	0	473	654
LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[309]	2021	CP 2021	18	0	0	482	655
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	[14]	2020	CP 2020	16	3	8	317	656

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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	[50]	2020	Fog-IoT 2020	9	0	0	337	657
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	[203]	2020	AAAI 2020	8	1	0	423	658
GroleazNS20 GroleazNS20	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	Solving the Group Cumulative Scheduling Problem with CPO and ACO	Yes	[216]	2020	CP 2020	17	1	25	430	659
GroleazNS20a GroleazNS20a	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	Yes	[215]	2020	GECCO 2020	9	3	28	431	660
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[362]	2020	CPAIOR 2020	13	2	13	510	661
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[381]	2020	CP 2020	16	0	6	521	662
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[472]	2020	CPAIOR 2020	16	6	12	565	663
WangB20 WangB20	R. Wang, N. Barnier	Global Propagation of Transition Cost for Fixed Job Scheduling	Yes	[524]	2020	ECAI 2020	8	0	0	593	664
WessenCS20 WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Yes	[529]	2020	CPAIOR 2020	10	2	11	596	665
BadicaBIL19 BadicaBIL19	A. Badica, C. Badica, M. Ivanovic, D. Logofatu	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	Yes	[30]	2019	IDC 2019	11	2	6	327	666
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	[65]	2019	ICRA 2019	7	12	18	343	667
BogaerdtW19 BogaerdtW19	Pim van den Bogaerdt, Mathijs de Weerd	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	Yes	[504]	2019	CPAIOR 2019	16	1	16	357	668
ColT19 ColT19	Giacomo Da Col, Erich Christian Teppan	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	Yes	[133]	2019	CP 2019	17	11	12	382	669
FrimodigS19 FrimodigS19	S. Frimodig, C. Schulte	Models for Radiation Therapy Patient Scheduling	Yes	[180]	2019	CP 2019	17	3	26	405	670
FrohnerTR19 FrohnerTR19	N. Frohner, S. Teuschl, Günther R. Raidl	Casual Employee Scheduling with Constraint Programming and Metaheuristics	Yes	[181]	2019	EUROCAST 2019	9	0	6	406	671
GalleguillosKSB19 GalleguillosKSB19	C. Galleguillos, Z. Kiziltan, A. Sirbu, Özalp Babaoglu	Constraint Programming-Based Job Dispatching for Modern HPC Applications	Yes	[183]	2019	CP 2019	18	1	27	408	672
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[194]	2019	CPAIOR 2019	16	6	15	415	673
KucukY19 KucukY19	M. Küçük, Seyda Topaloglu Yildiz	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem	Yes	[304]	2019	RAST 2019	5	0	0	478	674
LiuLH19 LiuLH19	K. Liu, S. Löffler, P. Hofstedt	Solving the Talent Scheduling Problem by Parallel Constraint Programming	Yes	[327]	2019	AIAI 2019	9	1	5	495	675
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[351]	2019	CPAIOR 2019	17	1	7	506	676
MurinR19 MurinR19	S. Murín, H. Rudová	Scheduling of Mobile Robots Using Constraint Programming	Yes	[373]	2019	CP 2019	16	2	22	517	677
ParkUJR19 ParkUJR19	H. Park, J. Um, J. Jung, M. Ruskowski	Developing a Production Scheduling System for Modular Factory Using Constraint Programming	Yes	[405]	2019	RAAD 2019	8	1	3	531	678
Tom19 Tom19	M. Tom	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling	Yes	[487]	2019	FUZZ-IEEE 2019	6	0	21	573	679
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[537]	2019	CPAIOR 2019	10	1	14	602	680

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ArbaouiY18 ArbaouiY18	T. Arbaoui, F. Yalaoui	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming	Yes	[17]	2018	ACIIDS 2018	10	2	14	319	681
AstrandJZ18 AstrandJZ18	M. Åstrand, M. Johansson, A. Zanarini	Fleet Scheduling in Underground Mines Using Constraint Programming	Yes	[27]	2018	CPAIOR 2018	9	9	10	326	682
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[76]	2018	CPAIOR 2018	10	2	12	348	683
CappartTSR18 CappartTSR18	Q. Cappart, C. Thomas, P. Schaus, L. Rousseau	A Constraint Programming Approach for Solving Patient Transportation Problems	Yes	[115]	2018	CP 2018	17	6	31	370	684
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[150]	2018	CPAIOR 2018	18	4	16	389	685
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	[229]	2018	CP 2018	18	6	26	436	686
HoYCLLC18 HoYCLLC18	T. Ho, J. Yao, Y. Chang, F. Lai, J. Lai, S. Chu, W. Liao, H. Chiu	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints	Yes	[247]	2018	AICCC 2018	6	2	14	447	687
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Séverine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[272]	2018	CPAIOR 2018	17	1	12	460	688
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[307]	2018	CPAIOR 2018	9	18	10	481	689
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[376]	2018	CPAIOR 2018	17	7	23	520	690
NishikawaSTT18 NishikawaSTT18	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Fork-Join Tasks with Constraint Programming	Yes	[384]	2018	CANDAR 2018	6	2	14	523	691
NishikawaSTT18a NishikawaSTT18a	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Tasks Based on Constraint Programming	Yes	[385]	2018	TENCON 2018	6	1	9	524	692
OuelletQ18 OuelletQ18	Y. Ouellet, C. Quimper	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning	Yes	[397]	2018	CPAIOR 2018	18	6	16	528	693
RiahiNS018 RiahiNS018	V. Riahi, M. A. Hakim Newton, K. Su, A. Sattar	Local Search for Flowshops with Setup Times and Blocking Constraints	Yes	[427]	2018	ICAPS 2018	9	0	0	544	694
Tesch18 Tesch18	A. Tesch	Improving Energetic Propagations for Cumulative Scheduling	Yes	[482]	2018	CP 2018	17	5	21	570	695
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	[90]	2017	CP 2017	9	1	12	354	696
CappartS17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[114]	2017	CPAIOR 2017	16	2	28	369	697
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	[131]	2017	SAT 2017	17	1	12	381	698
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	[197]	2017	CPAIOR 2017	16	1	5	418	699
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[206]	2017	CP 2017	16	0	10	424	700
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[254]	2017	CP 2017	14	6	24	451	701
KletzanderM17 KletzanderM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[284]	2017	CPAIOR 2017	15	1	9	468	702
LiuCGM17 LiuCGM17	T. Liu, Roberto Di Cosmo, M. Gabbrielli, J. Mauro	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Yes	[328]	2017	CP 2017	17	0	15	493	703
Madi-WambaLOBM17 Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Green Energy Aware Scheduling Problem in Virtualized Datacenters	Yes	[348]	2017	ICPADS 2017	8	1	8	504	704
MossigeGSMC17 MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[369]	2017	CP 2017	18	6	33	514	705

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Pralet17 Pralet17	C. Pralet	An Incomplete Constraint-Based System for Scheduling with Renewable Resources	Yes	[418]	2017	CP 2017	19	1	30	538	706
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	[498]	2017	IJCAI 2017	5	1	0	579	707
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[539]	2017	CP 2017	10	6	21	603	708
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[100]	2016	CP 2016	17	0	11	363	709
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	[101]	2016	CP 2016	17	21	24	364	710
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[108]	2016	ECAI 2016	2	0	0	366	711
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[121]	2016	CP 2016	16	1	12	373	712
FontaineMH16 FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[176]	2016	CPAIOR 2016	11	3	0	402	713
GilesH16 GilesH16	K. Giles, Willem-Jan van Hoeve	Solving a Supply-Delivery Scheduling Problem with Constraint Programming	Yes	[199]	2016	CP 2016	16	2	6	420	714
GingrasQ16 GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[200]	2016	IJCAI 2016	7	0	0	421	715
HechingH16 HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[233]	2016	CPAIOR 2016	11	10	0	439	716
JelinekB16 JelinekB16	J. Jelinek, R. Barták	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station	Yes	[265]	2016	PADL 2016	10	0	5	455	717
LimHTB16 LimHTB16	B. Lim, Hassan L. Hijazi, S. Thiébaux, Menkes van den Briel	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control	Yes	[322]	2016	CP 2016	18	2	23	489	718
LuoVLBM16 LuoVLBM16	R. Luo, Richard Anthony Valenzano, Y. Li, J. Christopher Beck, Sheila A. McIlraith	Using Metric Temporal Logic to Specify Scheduling Problems	Yes	[345]	2016	KR 2016	4	0	0	502	719
Madi-WambaB16 Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[347]	2016	CPAIOR 2016	16	0	0	503	720
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[447]	2016	CP 2016	17	3	23	552	721
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[470]	2016	CP 2016	10	9	14	564	722
Tesch16 Tesch16	A. Tesch	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $O(n^2 \log n)$	Yes	[481]	2016	CP 2016	27	4	14	569	723
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	[494]	2016	SOCS 2016	9	3	0	577	724
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	[499]	2016	AAAI 2016	9	0	0	580	725
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[48]	2015	ICAART 2015	12	0	0	335	726
BofillGSV15 BofillGSV15	M. Bofill, M. Garcia, J. Suy, M. Villaret	MaxSAT-Based Scheduling of B2B Meetings	Yes	[92]	2015	CPAIOR 2015	9	7	8	356	727
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	[111]	2015	CPAIOR 2015	17	0	8	368	728
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[147]	2015	CP 2015	16	5	11	387	729

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EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[166]	2015	CP 2015	18	3	12	400	730
GayHLS15 GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	Yes	[187]	2015	CP 2015	9	20	15	410	731
GayHS15 GayHS15	S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint	Yes	[188]	2015	CP 2015	9	10	9	411	732
GayHS15a GayHS15a	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[189]	2015	CPAIOR 2015	16	5	12	412	733
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[298]	2015	CP 2015	17	7	16	476	734
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	[323]	2015	CPAIOR 2015	15	4	18	488	735
LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[331]	2015	CP 2015	16	0	8	496	736
MelgarejoLS15	P. Aguiar-Melgarejo, P. Laborie, C. Solnon	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems	Yes	[8]	2015	CPAIOR 2015	17	14	17	509	737
MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System	Yes	[374]	2015	CP 2015	17	1	20	518	738
PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	Yes	[409]	2015	CPAIOR 2015	16	1	7	534	739
PraletLJ15 PraletLJ15	C. Pralet, S. Lemai-Chenevier, J. Jaubert	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search	Yes	[419]	2015	CP 2015	16	0	8	539	740
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[457]	2015	CP 2015	10	4	17	557	741
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[518]	2015	CPAIOR 2015	17	31	19	592	742
ZhouGL15 ZhouGL15	J. Zhou, Y. Guo, G. Li	On complex hybrid flexible flowshop scheduling problems based on constraint programming	Yes	[555]	2015	FSKD 2015	5	0	16	609	743
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	[154]	2014	CP 2014	18	3	19	315	744
BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[49]	2014	CP 2014	16	12	3	336	745
BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[81]	2014	CPAIOR 2014	16	1	3	351	746
BofillEGPSV14	M. Bofill, J. Espasa, M. Garcia, M. Palahí, J. Suy, M. Villaret	Scheduling B2B Meetings	Yes	[91]	2014	CP 2014	16	3	10	355	747
BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[98]	2014	CPAIOR 2014	16	3	12	361	748
DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[148]	2014	CPAIOR 2014	9	0	7	388	749
DerrienP14 DerrienP14	A. Derrien, T. Petit	A New Characterization of Relevant Intervals for Energetic Reasoning	Yes	[152]	2014	CP 2014	9	14	0	390	750
DerrienPZ14	A. Derrien, T. Petit, S. Zampelli	A Declarative Paradigm for Robust Cumulative Scheduling	Yes	[153]	2014	CP 2014	9	3	10	391	751
DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[158]	2014	CPAIOR 2014	9	3	10	394	752
FriedrichFMRSS14	G. Friedrich, M. Frühstück, V. Mersheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	No	[179]	2014	GOR 2014	7	3	2	No	753
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[190]	2014	CP 2014	15	7	11	413	754
HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[259]	2014	CP 2014	16	5	7	453	755

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KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[289]	2014	CPAIOR 2014	16	4	18	470	756
LipovetzkyBPS14 LipovetzkyBPS14	N. Lipovetzky, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	Planning for Mining Operations with Time and Resource Constraints	Yes	[326]	2014	ICAPS 2014	9	0	0	492	757
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	No	[342]	2014	ICRA 2014	7	16	9	No	758
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[97]	2013	ICAPS 2013	5	0	0	360	759
ChuGNSW13 ChuGNSW13	G. Chu, S. Gaspers, N. Narodytska, A. Schutt, T. Walsh	On the Complexity of Global Scheduling Constraints under Structural Restrictions	Yes	[126]	2013	IJCAI 2013	7	0	0	376	760
CireCH13 CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[128]	2013	CPAIOR 2013	7	3	23	378	761
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	[218]	2013	CPAIOR 2013	7	10	24	433	762
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[236]	2013	CPAIOR 2013	16	9	15	441	763
KelarevaTK13 KelarevaTK13	E. Kelareva, K. Tierney, P. Kilby	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	Yes	[277]	2013	CPAIOR 2013	17	16	28	463	764
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[317]	2013	CPAIOR 2013	16	3	10	486	765
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[338]	2013	ICAPS 2013	2	0	0	500	766
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[396]	2013	CP 2013	16	12	14	527	767
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[441]	2013	CP 2013	17	10	20	549	768
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[440]	2013	CPAIOR 2013	17	20	27	550	769
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	[496]	2013	ICAPS 2013	9	0	0	578	770
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[83]	2012	CPAIOR 2012	15	1	19	352	771
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[95]	2012	CPAIOR 2012	16	2	11	359	772
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[99]	2012	DC SIAAI 2012	3	0	0	362	773
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[219]	2012	CP 2012	15	5	20	434	774
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[235]	2012	CPAIOR 2012	17	8	21	440	775
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[261]	2012	CP 2012	16	6	20	454	776
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[316]	2012	CP 2012	16	18	12	485	777
RendlPHPR12 RendlPHPR12	A. Rendl, M. Prandtstetter, G. Hiermann, J. Puchinger, Günther R. Raidl	Hybrid Heuristics for Multimodal Homecare Scheduling	Yes	[426]	2012	CPAIOR 2012	17	14	14	543	778
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[439]	2012	CPAIOR 2012	17	18	21	548	779
SerraNM12 SerraNM12	T. Serra, G. Nishioka, Fernando J. M. Marcellino	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach	Yes	[450]	2012	CP 2012	17	0	8	555	780
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[458]	2012	CP 2012	15	3	8	558	781

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TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[493]	2012	ECAI 2012	6	0	0	576	782
ZhangLS12 ZhangLS12	X. Zhang, Z. Lv, X. Song	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method	Yes	[552]	2012	CIT 2012	4	1	3	607	783
BajestaniB11 BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[31]	2011	ICAPS 2011	8	0	0	328	784
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[94]	2011	CP 2011	15	3	14	358	785
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[125]	2011	CPAIOR 2011	6	5	12	375	786
ClercqPBJ11 ClercqPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[129]	2011	CP 2011	16	3	11	379	787
EdisO11 EdisO11	Emrah B. Edis, C. Oguz	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach	Yes	[160]	2011	CPAIOR 2011	7	5	16	395	788
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[211]	2011	CP 2011	17	5	18	428	789
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[238]	2011	SEA 2011	10	5	12	442	790
HermenierDL11 HermenierDL11	F. Hermenier, S. Demasse, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[245]	2011	CP 2011	15	28	5	445	791
KameugneFSN11 KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[274]	2011	CP 2011	15	7	9	462	792
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	[311]	2011	CPAIOR 2011	14	3	15	483	793
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[332]	2011	CPAIOR 2011	17	1	13	497	794
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[515]	2011	CPAIOR 2011	16	28	6	590	795
ZibranR11 ZibranR11	Minhaz F. Zibran, Chanchal K. Roy	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach	Yes	[557]	2011	ICPC 2011	4	17	18	611	796
ZibranR11a ZibranR11a	Minhaz F. Zibran, Chanchal K. Roy	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring	Yes	[558]	2011	SCAM 2011	10	26	27	612	797
BertholdHLS10 BertholdHLS10	T. Berthold, S. Heinz, Marco E. Lübbecke, Rolf H. Möhring, J. Schulz	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling	Yes	[80]	2010	CPAIOR 2010	5	28	10	350	798
CobanH10 CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes	[130]	2010	CPAIOR 2010	5	9	9	380	799
Davenport10 Davenport10	Andrew J. Davenport	Integrated Maintenance Scheduling for Semiconductor Manufacturing	Yes	[139]	2010	CPAIOR 2010	5	9	2	385	800
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[210]	2010	CPAIOR 2010	15	13	20	427	801
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[335]	2010	CP 2010	15	1	11	499	802
MakMS10 MakMS10	K. Mak, J. Ma, W. Su	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems	Yes	[349]	2010	ICNC 2010	5	1	3	505	803
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[448]	2010	CP 2010	15	13	14	553	804
SunLYL10 SunLYL10	Z. Sun, H. Li, M. Yao, N. Li	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming	Yes	[467]	2010	GreenCom 2010	6	4	8	562	805

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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	313	806
AronssonBK09 AronssonBK09	M. Aronsson, M. Bohlin, P. Kreuger	MILP formulations of cumulative constraints for railway scheduling - A comparative study	Yes	[20]	2009	ATMOS 2009	13	0	0	322	807
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[34]	2009	CP 2009	1	0	0	329	808
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[213]	2009	CP 2009	9	15	12	429	809
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[306]	2009	CPAIOR 2009	15	53	2	480	810
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[333]	2009	CP 2009	15	7	12	498	811
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[366]	2009	ICAPS 2009	8	0	0	513	812
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[442]	2009	CP 2009	16	34	11	551	813
ThiruvadyBME09 ThiruvadyBME09	Dhananjay R. Thiruvady, C. Blum, B. Meyer, Andreas T. Ernst	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling	Yes	[483]	2009	HM 2009	15	13	12	571	814
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$	Yes	[513]	2009	CP 2009	15	25	4	588	815
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[514]	2009	CPAIOR 2009	15	13	4	589	816
BarlattCG08 BarlattCG08	A. Barlatt, Amy Mainville Cohn, Oleg Yu. Gusikhin	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems	Yes	[41]	2008	CPAIOR 2008	5	1	9	332	817
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[70]	2008	CPAIOR 2008	15	8	9	345	818
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[157]	2008	CPAIOR 2008	16	1	2	393	819
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[244]	2008	CPAIOR 2008	5	13	3	444	820
LauLN08 LauLN08	Hoong Chuin Lau, Kong Wei Lye, Viet Bang Nguyen	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)	Yes	[313]	2008	CPAIOR 2008	5	0	4	484	821
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	[371]	2008	CP 2008	16	11	10	515	822
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	[370]	2008	CSE 2008	8	5	14	516	823
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[411]	2008	ICAPS 2008	8	0	0	535	824
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[528]	2008	CPAIOR 2008	15	14	17	595	825
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	[503]	2007	CPAIOR 2007	15	2	8	314	826
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	Yes	[71]	2007	CPAIOR 2007	15	4	7	346	827
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	[140]	2007	CP 2007	13	1	2	386	828
GarganiR07 GarganiR07	A. Gargani, P. Refalo	An Efficient Model and Strategy for the Steel Mill Slab Design Problem	Yes	[184]	2007	CP 2007	13	17	5	409	829

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HoeveGSL07 HoeveGSL07	Willem Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[506]	2007	AAAI 2007	6	0	0	448	830
KeriK07 KeriK07	A. Kéri, T. Kis	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method	Yes	[279]	2007	CPAIOR 2007	14	1	13	464	831
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[290]	2007	CPAIOR 2007	15	2	12	471	832
KrogtLPHJ07 KrogtLPHJ07	Roman van der Krogt, J. Little, K. Pulliam, S. Hanhilammi, Y. Jin	Scheduling for Cellular Manufacturing	Yes	[505]	2007	CP 2007	13	2	3	477	833
Limtanyakul07 Limtanyakul07	K. Limtanyakul	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming	Yes	[324]	2007	GOR 2007	6	2	3	491	834
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[365]	2007	CPAIOR 2007	14	0	12	512	835
NethercoteSBBDT07 NethercoteSBBDT07	N. Nethercote, Peter J. Stuckey, R. Becket, S. Brand, Gregory J. Duck, G. Tack	MiniZinc: Towards a Standard CP Modelling Language	Yes	[382]	2007	CP 2007	15	344	5	522	836
RossiTHP07 RossiTHP07	R. Rossi, A. Tarim, B. Hnich, Steven D. Prestwich	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost	Yes	[431]	2007	CPAIOR 2007	15	6	10	546	837
Beck06 Beck06	J. Christopher Beck	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling	Yes	[52]	2006	ICAPS 2006	10	0	0	338	838
BeniniBGM06 BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[77]	2006	CPAIOR 2006	15	18	10	349	839
GomesHS06 GomesHS06	Carla P. Gomes, Willem Jan van Hoeve, B. Selman	Constraint Programming for Distributed Planning and Scheduling	Yes	[209]	2006	AAAI 2006	2	0	0	426	840
KhemmoudjPB06 KhemmoudjPB06	Mohand Ou Idir Khemmoudj, M. Porcheron, H. Bennaïeur	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages	Yes	[281]	2006	CP 2006	13	8	8	465	841
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[296]	2006	CPAIOR 2006	13	2	7	475	842
LiuJ06 LiuJ06	Y. Liu, Y. Jiang	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming	Yes	[329]	2006	PRICAI 2006	5	0	0	494	843
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	[424]	2006	SoC 2006	4	2	5	541	844
AbrilSB05 AbrilSB05	M. Abril, Miguel A. Salido, F. Barber	Distributed Constraints for Large-Scale Scheduling Problems	Yes	[4]	2005	CP 2005	1	0	0	312	845
ArtiouchineB05 ArtiouchineB05	K. Artiouchine, P. Baptiste	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs	Yes	[24]	2005	CP 2005	15	3	11	324	846
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[61]	2005	IJCAI 2005	6	0	0	342	847
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[116]	2005	CP 2005	1	0	0	371	848
ChuX05 ChuX05	Y. Chu, Q. Xia	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems	Yes	[127]	2005	CPAIOR 2005	15	13	13	377	849
DilkinaDH05 DilkinaDH05	B. Dilkina, L. Duan, William S. Havens	Extending Systematic Local Search for Job Shop Scheduling Problems	Yes	[155]	2005	CP 2005	5	2	7	392	850
FortinZDF05 FortinZDF05	J. Fortin, P. Zielinski, D. Dubois, H. Fargier	Interval Analysis in Scheduling	Yes	[177]	2005	CP 2005	15	13	11	403	851
FrankK05 FrankK05	J. Frank, E. Kürklü	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations	Yes	[178]	2005	CPAIOR 2005	18	4	4	404	852
Geske05 Geske05	U. Geske	Railway Scheduling with Declarative Constraint Programming	Yes	[198]	2005	INAP 2005	18	2	3	419	853
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[201]	2005	ICAPS 2005	9	0	0	422	854
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[232]	2005	CP 2005	1	0	3	438	855

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Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[251]	2005	CP 2005	14	30	10	450	856
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[293]	2005	CP 2005	1	2	3	472	857
MoffittPP05 MoffittPP05	Michael D. Moffitt, B. Peintner, Martha E. Pollack	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints	Yes	[363]	2005	AAAI 2005	6	0	0	511	858
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[425]	2005	ICRA 2005	6	2	7	542	859
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[449]	2005	INAP 2005	15	6	4	554	860
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[512]	2005	CPAIOR 2005	14	5	8	587	861
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[533]	2005	INAP 2005	14	6	6	599	862
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[535]	2005	CP 2005	1	0	0	601	863
ArtiguesBF04 ArtiguesBF04	C. Artigues, S. Belmokhtar, D. Feillet	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times	Yes	[21]	2004	CPAIOR 2004	13	16	9	323	864
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[60]	2004	ECAI 2004	5	0	0	341	865
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[243]	2004	CPAIOR 2004	16	12	14	443	866
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[249]	2004	CP 2004	12	39	9	449	867
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[295]	2004	CP 2004	15	3	12	474	868
LimRX04 LimRX04	A. Lim, B. Rodrigues, Z. Xu	Solving the Crane Scheduling Problem Using Intelligent Search Schemes	Yes	[321]	2004	CP 2004	5	5	6	490	869
MaraveliasG04 MaraveliasG04	Christos T. Maravelias, Ignacio E. Grossmann	Using MILP and CP for the Scheduling of Batch Chemical Processes	Yes	[354]	2004	CPAIOR 2004	20	15	15	507	870
Sadykov04 Sadykov04	R. Sadykov	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem	Yes	[434]	2004	CPAIOR 2004	7	11	7	547	871
Vilim04 Vilim04	P. Vilím	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint	Yes	[511]	2004	CPAIOR 2004	13	22	5	586	872
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[516]	2004	CP 2004	15	13	4	591	873
VillaverdeP04 VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	No	[519]	2004	ISCA 2004	6	0	0	No	874
WolinskiKG04 WolinskiKG04	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures	Yes	[534]	2004	DSD 2004	8	0	9	600	875
BeckPS03 BeckPS03	J. Christopher Beck, P. Prosser, E. Selensky	Vehicle Routing and Job Shop Scheduling: What's the Difference?	Yes	[58]	2003	ICAPS 2003	10	0	0	340	876
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	[137]	2003	CP 2003	5	21	3	384	877
Kumar03 Kumar03	T. K. Satish Kumar	Incremental Computation of Resource-Envelopes in Producer-Consumer Models	Yes	[303]	2003	CP 2003	15	4	2	479	878
OddiPCC03 OddiPCC03	A. Oddi, N. Policella, A. Cesta, G. Cortellessa	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem	Yes	[394]	2003	CP 2003	15	8	6	526	879
ValleMGT03 ValleMGT03	Carmelo Del Valle, Antonio A. Márquez, Rafael M. Gasca, M. Toro	On Selecting and Scheduling Assembly Plans Using Constraint Programming	Yes	[502]	2003	KES 2003	8	7	7	581	880
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[510]	2003	CP 2003	1	1	1	585	881
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[532]	2003	CP 2003	15	11	7	598	882
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[43]	2002	CP 2002	16	6	4	333	883
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[42]	2002	ERCIM/CologNet 2002	15	1	9	334	884

Table 2: Works from bibtex (Total 310)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[68]	2002	CP 2002	17	33	9	344	885
ElkhyariGJ02 ElkhyariGJ02	A. Elkhyari, C. Gu��ret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems	Yes	[162]	2002	CP 2002	6	1	6	397	886
ElkhyariGJ02a ElkhyariGJ02a	A. Elkhyari, C. Gu��ret, N. Jussien	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools	Yes	[163]	2002	PATAT 2002	24	9	20	398	887
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[258]	2002	CP 2002	5	8	7	452	888
KamarainenS02 KamarainenS02	O. Kamarainen, Hani El Sakkout	Local Probing Applied to Scheduling	Yes	[270]	2002	CP 2002	17	9	13	459	889
Muscettola02 Muscettola02	N. Muscettola	Computing the Envelope for Stepwise-Constant Resource Allocations	Yes	[375]	2002	CP 2002	16	14	4	519	890
Vilim02 Vilim02	P. Vil��m	Batch Processing with Sequence Dependent Setup Times	Yes	[509]	2002	CP 2002	1	6	1	584	891
ZhuS02 ZhuS02	Kenny Qili Zhu, Andrew E. Santosa	A Meeting Scheduling System Based on Open Constraint Programming	Yes	[556]	2002	CAiSE 2002	5	0	5	610	892
Thorsteinsson01 Thorsteinsson01	Erlendur S. Thorsteinsson	Branch-and-Check: A Hybrid Framework Integrating Mixed Integer Programming and Constraint Logic Programming	Yes	[485]	2001	CP 2001	15	67	12	572	893
VanczaM01 VanczaM01	J. V��ncza, A. M��rkus	A Constraint Engine for Manufacturing Process Planning	Yes	[507]	2001	CP 2001	15	2	19	582	894
VerfaillieL01 VerfaillieL01	G. Verfaillie, M. Lema��tre	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View	Yes	[508]	2001	CP 2001	15	11	6	583	895
AngelsmarkJ00 AngelsmarkJ00	O. Angelsmark, P. Jonsson	Some Observations on Durations, Scheduling and Allen’s Algebra	Yes	[13]	2000	CP 2000	5	1	9	316	896
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[175]	2000	AIPS 2000	10	0	0	401	897
KorbaaYG99 KorbaaYG99	O. Korbaa, P. Yim, J. Gentina	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming	Yes	[287]	1999	ECC 1999	8	1	0	469	898
CestaOS98 CestaOS98	A. Cesta, A. Oddi, Stephen F. Smith	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints	Yes	[124]	1998	CP 1998	1	5	0	374	899
FrostD98 FrostD98	D. Frost, R. Dechter	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units	Yes	[182]	1998	CP 1998	1	10	2	407	900
GruianK98 GruianK98	F. Gruian, K. Kuchcinski	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming	Yes	[217]	1998	EUROMICRO 1998	8	5	10	432	901
PembertonG98 PembertonG98	Joseph C. Pemberton, Flavius Galiber III	A constraint-based approach to satellite scheduling	Yes	[406]	1998	DIMACS 1998	14	26	0	532	902
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[428]	1998	CP 1998	15	19	10	545	903
Shaw98 Shaw98	P. Shaw	Using Constraint Programming and Local Search Methods to Solve Vehicle Routing Problems	Yes	[452]	1998	CP 1998	15	630	11	556	904
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[37]	1997	CP 1997	15	8	10	331	905
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research	Yes	[54]	1997	CP 1997	15	3	12	339	906
BoucherBVBL97 BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem	No	[103]	1997	PACT 1997	18	0	0	No	907
Caseau97 Caseau97	Y. Caseau	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel	Yes	[120]	1997	CP 1997	4	0	0	372	908

Table 2: Works from bibtex (Total 310)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[403]	1997	PACT 1997	20	0	0	No	909
BrusoniCLMMT96 BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[110]	1996	ISMIS 1996	10	1	9	367	910
Colombani96 Colombani96	Y. Colombani	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem	Yes	[135]	1996	CP 1996	15	4	5	383	911
Zhou96 Zhou96	J. Zhou	A Constraint Program for Solving the Job-Shop Problem	Yes	[553]	1996	CP 1996	15	10	7	608	912
Goltz95 Goltz95	H. Goltz	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling	Yes	[208]	1995	CP 1995	14	7	7	425	913
Puget95 Puget95	J. Puget	Applications of Constraint Programming	Yes	[421]	1995	CP 1995	4	6	2	540	914
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[460]	1995	CP 1995	4	7	3	559	915
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[462]	1995	CP 1995	14	17	8	560	916
Touraivane95 Touraivane95	Touraivane	Constraint Programming and Industrial Applications	Yes	[491]	1995	CP 1995	3	2	1	575	917
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	[266]	1994	ILPS 1994	1	0	0	No	918
NuijtenA94 NuijtenA94	W. P. M. Nuijten, Emile H. L. Aarts	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling	Yes	[392]	1994	ECAI 1994	5	0	0	525	919
Wallace94 Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[521]	1994	Constraint Pro-gramming 1994	19	0	0	No	920
BaptisteLV92 BaptisteLV92	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming	Yes	[40]	1992	ICRA 1992	6	13	6	330	921
ErtlK91 ErtlK91	M. Anton Ertl, A. Krall	Optimal Instruction Scheduling using Constraint Logic Programming	Yes	[164]	1991	PLILP 1991	12	14	14	399	922

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	613
AbrilSB05 [4]	1	distributed, scheduling, multi-agent, order					railway				233	845
Acuna-AgostMFG09 [5]	2	re-scheduling, order, scheduling, transportation					railway		Roadef		194	806
AkkerDH07 [503]	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					214	826
AlesioNBG14 [154]	18	preempt, job-shop, distributed, scheduling, completion-time, make-span, resource, open-shop, order, job, activity, task		alldifferent		OPL, Cplex	automotive		benchmark		132	744
AngelsmarkJ00 [13]	5	resource, job, order, scheduling, task, job-shop									284	896
AntuoriHHEN20 [14]	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	656
AntuoriHHEN21 [15]	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	644
ArbaouiY18 [17]	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		69	681
ArmstrongGOS21 [18]	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	645
ArmstrongGOS22 [19]	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	628
AronssonBK09 [20]	13	job-shop, transportation, order, job, task		cumulative	Prolog	Cplex, CHIP	railway		real-world, real-life	sweep	195	807

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ArtiguesBF04 [21]	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	252	864
ArtiouchineB05 [24]	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	234	846
Astrand0F21 [26]	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	647
AstrandJZ18 [27]	9	resource, task, machine, make-span, order, activity, scheduling	single machine	disjunctive, cumulative, cycle		Gecode	hoist, robot	potash industry		time-tabling	70	682
BadicaBIL19 [30]	11	completion-time, resource, order, activity, machine, multi-agent, distributed, make-span, scheduling		cycle		ECLiPSe, Gecode			github		54	666
BajestaniB11 [31]	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				172	784
Baptiste09 [34]	1	scheduling									196	808
BaptisteLV92 [40]	6										309	921
BaptisteP97 [37]	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	293	905
BarlattCG08 [41]	5	scheduling, resource, setup-time, job, task, machine, flow-shop, job-shop, transportation					automotive, pipeline		real-world		205	817
Bartak02 [43]	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	271	883
Bartak02a [42]	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	272	884
BartakV15 [48]	12	job-shop, resource, scheduling, make-span, precedence, order, machine, job, lateness, activity, re-scheduling, setup-time							real-world, real-life	sweep	114	726

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BartoliniBBLM14 [49]	16	resource, tardiness, task, job, activity, make-span, machine, scheduling		alternative constraint, cumulative			super-computer				133	745
BarzegaranZP20 [50]	9	re-scheduling, resource, distributed, machine, task, scheduling, order			Java	OR-Tools	automotive, robot				45	657
Beck06 [52]	10	due-date, flow-shop, order, scheduling, make-span, machine, resource, job, job-shop, tardiness				Ilog Scheduler			benchmark		226	838
BeckDF97 [54]	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	294	906
BeckPS03 [58]	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		264	876
BeckW04 [60]	5	job-shop, machine, job, activity, order, distributed, make-span, scheduling, flow-shop, resource	single machine			Ilog Scheduler				edge-finding, time-tabling	253	865
BeckW05 [61]	6	job-shop, job, activity, order, make-span, scheduling, flow-shop, resource				Ilog Scheduler				edge-finder	235	847
BehrensLM19 [65]	7	order, setup-time, resource, task, machine, distributed, multi-agent, scheduling, make-span			Python	OR-Tools, MiniZinc, OZ	robot		real-world, github		55	667
BeldiceanuC02 [68]	17	order, producer/consumer, scheduling, machine, task, resource, activity	single machine	cumulative	Prolog	SICStus, CHIP, OZ	crew-scheduling		real-life, random instance, benchmark	sweep	273	885
BeldiceanuCP08 [70]	15	resource, task, scheduling, order		geost, cumulative, disjunctive	Prolog	SICStus, CHIP, OPL	rectangle-packing, perfect-square		benchmark	edge-finding, sweep	206	818
BeldiceanuP07 [71]	15	preempt, scheduling, release-date, task, resource, order, due-date		cumulative, disjunctive						sweep	215	827
BenderWS21 [73]	16	preempt, activity, task, order, machine, make-span, job, distributed, resource, setup-time, scheduling	RCPSP	noOverlap	Python		agriculture				36	648
BenediktSMVH18 [76]	10	job-shop, scheduling, order, job, preempt, resource, machine	single machine, parallel machine	noOverlap		OZ, Gurobi	energy-price		github, random instance, generated instance		71	683
BeniniBGM06 [77]	15	activity, task, distributed, tardiness, precedence, scheduling, make-span, resource, order, setup-time		cycle, cumulative		ECLiPSe, Cplex, Ilog Solver, OZ	automotive, pipeline		real-life		227	839

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BertholdHLM10 [80]	5	precedence, scheduling, order, completion-time, job, resource, preempt	psplib, RCPSP	disjunctive, cumulative		Cplex, Z3					186	798
BessiereHMQW14 [81]	16	scheduling, order, job, resource, setup-time, task, machine		alldifferent, cycle		Choco Solver	satellite	textile industry	benchmark, real-life		134	746
BillautHL12 [83]	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		159	771
Bit-Monnot23 [84]	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	614
BofillCSV17 [90]	9	machine, preempt, cmax, lazy clause generation, precedence, scheduling, make-span, resource, order, activity	RCPSP, psplib	cumulative		Z3			benchmark	energetic reasoning	84	696
BofillEGPSV14 [91]	16	order, scheduling, lazy clause generation, machine, task				Cplex, Gecode, MiniZinc			industrial instance	in-stance time-tabling	135	747
BofillGSV15 [92]	9	machine, scheduling, order				Cplex			industrial instance	in-stance time-tabling	115	727
BogaerdtW19 [504]	16	scheduling, completion-time, order, setup-time, job, machine, job-shop, tardiness, precedence	single machine, parallel machine	noOverlap	C	OPL, Cplex	railway		benchmark		56	668
BonfiettiLBM11 [94]	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		173	785
BonfiettiLBM12 [95]	16	scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, job-shop	RCPSP	cumulative, cycle		Ilog Solver	hoist, robot		benchmark	time-tabling	160	772
BonfiettiLM13 [97]	5	make-span, job-shop, precedence, resource, activity, job, order, scheduling	RCPSP	cumulative, cycle		Cplex					147	759
BonfiettiLM14 [98]	16	make-span, machine, task, job-shop, precedence, open-shop, resource, activity, job, distributed, order, scheduling	RCPSP, psplib	cumulative					real-world, benchmark		136	748
BonfiettiM12 [99]	3	job, task, precedence, job-shop, resource, activity, scheduling, machine	RCPSP	cumulative			hoist		industrial instance		161	773
BonfiettiZLM16 [100]	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	97	709

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BoothNB16 [101]	17	distributed, resource, scheduling, task, machine, precedence, order, activity, re-scheduling		disjunctive, cumulative, noOverlap	C++	Cplex	robot, medical		real-world		98	710
BoudreaultSLQ22 [104]	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	629
BridiLBBM16 [108]	2	resource, task, machine, distributed, make-span, order, job, activity, scheduling									99	711
BrusoniCLMMT96 [110]	10	resource, activity, precedence, task, distributed, due-date, job-shop, scheduling, order, job		disjunctive	Prolog		railway				298	910
BurtLPS15 [111]	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		116	728
CappartS17 [114]	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		85	697
CappartTSR18 [115]	17	resource, setup-time, producer/consumer, scheduling, transportation, order, activity		cumulative, noOverlap, circuit, disjunctive		Cplex, MiniZinc, OPL, CPO	medical, patient		bitbucket, CSPLib, real-life		72	684
CarchraeBF05 [116]	1	scheduling, order, task, make-span									236	848
Caseau97 [120]	4	preempt, make-span, order, scheduling, job, resource, job-shop, task		cumulative			robot		benchmark	edge-finding	296	908
CauwelaertDMS16 [121]	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	100	712
CestaOS98 [124]	1	resource, scheduling, job					robot				287	899
ChapadosJR11 [125]	6	activity, scheduling, order, task		cycle, cumulative		OPL		retail industry		time-tabling	174	786
ChuGNSW13 [126]	7	distributed, resource, scheduling, precedence, order, task, machine, job		disjunctive, cumulative, alldifferent		CHIP				not-first, not-last, edge-finding	148	760
ChuX05 [127]	15	scheduling, machine, resource, job, release-date, order, due-date, completion-time	single machine	disjunctive, cumulative		ECLiPSe					237	849
CireCH13 [128]	7	make-span, tardiness, scheduling, machine, job, resource, precedence, task, order		circuit, cumulative		OPL, Cplex, OZ					149	761

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ClercqPBJ11 [129]	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	175	787
CobanH10 [130]	5	distributed, tardiness, job, preempt, re-scheduling, make-span, order, scheduling		circuit, disjunctive		OPL, Cplex					187	799
CohenHB17 [131]	17	scheduling, task, machine, order, activity		alternative constraint, noOverlap		OZ, OPL, Cplex				time-tabling	86	698
ColT19 [133]	17	earliness, order, scheduling, precedence, make-span, machine, resource, job, job-shop	JSSP	noOverlap, disjunctive	Java	MiniZinc, CPO, OR-Tools			github, benchmark, real-world		57	669
Colombani96 [135]	15	job, scheduling, resource, order, task, preempt, activity, due-date, machine, precedence, release-date, job-shop		disjunctive		CHIP					299	911
DannaP03 [137]	5	machine, job, job-shop, activity, earliness, order, tardiness, scheduling, resource		disjunctive		Cplex, Ilog Solver, Ilog Scheduler			benchmark		265	877
Davenport10 [139]	5	resource, release-date, tardiness, scheduling, completion-time, order, earliness, due-date				Cplex	semiconductor				188	800
DavenportKRSH07 [140]	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			216	828
DejemeppeCS15 [147]	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	117	729
DejemeppeD14 [148]	9	make-span, precedence, job-shop, resource, activity, setup-time, scheduling, order, job		cumulative			medical, patient		bitbucket		137	749
DemirovicS18 [150]	18	scheduling, order, task, resource, activity, precedence		cumulative, disjunctive		MiniZinc, Gurobi, OZ			real-world, benchmark	time-tabling	73	685
DerrienP14 [152]	9	resource, scheduling, activity, order, make-span	psplib, CuSP	cumulative	Java	Choco Solver			random instance	sweep, edge-finding, energetic reasoning	138	750
DerrienPZ14 [153]	9	re-scheduling, make-span, scheduling, resource, order, job, activity, machine, precedence	RCPSp, CuSP	cumulative		Choco Solver, CHIP			benchmark, random instance, real-world	sweep	139	751
DilkinaDH05 [155]	5	machine, precedence, job-shop, make-span, job, scheduling, order				OPL					238	850

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
DoomsH08 [157]	16	scheduling, resource, completion-time, machine, job, job-shop, activity, task, order	RCPSP					services industry			207	819
DoulabiRP14 [158]	9	activity, scheduling, due-date, resource, task, order		bin-packing		Cplex	surgery, nurse, operating room, medical, patient				140	752
EdisO11 [160]	7	task, job, completion-time, activity, lateness, earliness, resource, make-span, scheduling, flow-time, preempt, tardiness, due-date, machine	parallel machine	bin-packing, noOverlap, cumulative		OPL, Cplex					176	788
EfthymiouY23 [161]	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	615
ElkhyariGJ02 [162]	6	resource, activity, precedence, scheduling, machine, due-date, preempt, make-span, re-scheduling, task	RCPSP	cumulative, disjunctive, table constraint							274	886
ElkhyariGJ02a [163]	24	activity, re-scheduling, order, due-date, scheduling, task, precedence, open-shop, resource	RCPSP, psplib	cumulative, disjunctive		OZ, OPL			benchmark, real-life	time-tabling	275	887
ErtlK91 [164]	12	setup-time, resource, scheduling, order, machine, task		cycle	Prolog		pipeline		real-world, benchmark		310	922
EvenSH15 [166]	18	preempt, transportation, order, scheduling, machine, distributed, resource, completion-time, task		disjunctive, cumulative		OPL, Choco Solver	emergency service		real-life, real-world	sweep	118	730
FocacciLN00 [175]	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	285	897
FontaineMH16 [176]	11	order, machine, job, task, completion-time, make-span, job-shop, resource, precedence, scheduling	parallel machine	disjunctive		MiniZinc, Gurobi, CHIP			benchmark		101	713
FortinZDF05 [177]	15	resource, order, task, activity, temporal constraint reasoning, precedence, make-span, scheduling	psplib								239	851
FrankK05 [178]	18	order, scheduling, job, resource, due-date, task, precedence		cycle			satellite, aircraft		benchmark		240	852
FrimodigS19 [180]	17	resource, order, task, machine, job-shop, job, scheduling		regular pression, cumulative, bin-packing	ex- Python	Gecode, Cplex, MiniZinc, OZ	radiation therapy, surgery, medical, patient, nurse, physician		benchmark, real-world		58	670

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
FrohnerTR19 [181]	9	scheduling, order, distributed			Java, Python	MiniZinc, Gecode, Gurobi	nurse		benchmark, real-world		59	671
FrostD98 [182]	1	order, scheduling						power industry			288	900
GalleguillosKSB19 [183]	18	re-scheduling, machine, distributed, resource, order, activity, job, scheduling, make-span	JSSP	cumulative, alternative constraint	Python	OR-Tools, OZ	super-computer, datacenter				60	672
GarganiR07 [184]	13	order, machine, resource, inventory		bin-packing	C++	OPL	steel mill	steel industry	real-life, CSPlib		217	829
GayHLS15 [187]	9	precedence, task, order, make-span, resource, scheduling, activity	OSP, psplib, RCPSP	cumulative, disjunctive					benchmark, bitbucket	edge-finding, time-tabling	119	731
GayHS15 [188]	9	scheduling, precedence, resource, preempt, task, order		cumulative, table constraint, disjunctive		Choco Solver, OR-Tools, Gecode			bitbucket	time-tabling, sweep	120	732
GayHS15a [189]	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	121	733
GaySS14 [190]	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	142	754
GeibingerKKMMW21 [192]	10	distributed, scheduling				MiniZinc, OR-Tools, Gurobi, Cplex, Gecode	nurse, physician, COVID, medical, patient	pharmaceutical industry	real-world		37	649
GeibingerMM19 [194]	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	61	673
GeibingerMM21 [195]	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	650

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GeitzGSSW22 [196]	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	630
GelainPRVW17 [197]	16	resource, scheduling, order							CSPlib, real-life, benchmark		87	699
Geske05 [198]	18	machine, task, re-scheduling, job, activity, order, distributed, resource, scheduling, lateness, job-shop		cumulative	Prolog	CHIP, SIC-Stubus	railway		real-life		241	853
GilesH16 [199]	16	inventory, setup-time, activity, task, transportation, order, scheduling, resource		cumulative, disjunctive		Cplex	pipeline	petro-chemical industry, chemical processing industry, chemical industry			102	714
GingrasQ16 [200]	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	103	715
GodardLN05 [201]	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		242	854
GodetLHS20 [203]	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	658
GoldwaserS17 [206]	16	scheduling, machine, transportation, due-date, order, lazy clause generation, resource		cumulative, disjunctive	Python	Gurobi, Gecode	torpedo	steel industry	instance generator, github, generated instance		88	700
Goltz95 [208]	14	due-date, machine, task, job, completion-time, order, resource, scheduling, precedence, job-shop		cumulative, disjunctive	Prolog	CHIP			benchmark	edge-finding	301	913
GomesHS06 [209]	2	scheduling, distributed, task, multi-agent, order				Ilog Solver			real-life		228	840
GrimesH10 [210]	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	189	801

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GrimesH11 [211]	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	177	789
GrimesHM09 [213]	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	197	809
GroleazNS20 [216]	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	659
GroleazNS20a [215]	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	660
GruianK98 [217]	8	task, resource, scheduling, order, activity, re-scheduling		cumulative, cycle, diffn, circuit		OPL, CHIP	pipeline, aircraft		benchmark		289	901
GuSS13 [218]	7	lazy clause generation, activity, order, distributed, scheduling, precedence, make-span, machine, resource	single machine	cumulative					benchmark	edge-finding, edge-finder, time-tabling	150	762
GuSW12 [219]	15	lazy clause generation, activity, order, preempt, scheduling, precedence, make-span, cmax, resource, job		cumulative	C++				benchmark		162	774
HananKP21 [225]	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	651
He0GLW18 [229]	18	distributed, machine, precedence, re-scheduling, transportation, multi-agent, order, scheduling			Python	Gurobi	real-time pricing, energy-price		real-world, bit-bucket		74	686
HebrardALLCMR22 [230]	7	activity, order, scheduling		cumulative	Julia	OZ, Claire	deep space			sweep	19	631
HebrardTW05 [232]	1	order, job, machine, job-shop, scheduling									243	855
HechingH16 [233]	11	re-scheduling, job, task, order, scheduling, manpower		circuit, noOverlap		OPL, Cplex, OZ	patient, medical		real-world		104	716
HeinzB12 [235]	17	activity, precedence, release-date, due-date, earliness, order, tardiness, scheduling, resource, completion-time, machine, job	single machine	cycle, cumulative, alternative constraint		Cplex, Ilog Solver, Ilog Scheduler, OPL					163	775
HeinzKB13 [236]	16	release-date, job-shop, resource, scheduling, order, machine, tardiness, job	single machine	cumulative		OPL, Cplex					151	763

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HeinzS11 [238]	10	preempt, order, scheduling, resource, completion-time, machine, job	psplib, RCPSP	disjunctive, cumulative		Cplex			benchmark	energetic reasoning, time-tabling	178	790
HentenryckM04 [243]	16	open-shop, resource, order, activity, job, due-date, completion-time, tardiness, scheduling, make-span, machine, task, job-shop, precedence		disjunctive, cycle, cumulative					benchmark		254	866
HentenryckM08 [244]	5	order		bin-packing			steel mill		CSPLib		208	820
HermenierDL11 [245]	15	precedence, distributed, resource, order, scheduling, completion-time, producer/consumer, machine, task		bin-packing, disjunctive, alldifferent, cumulative, cycle, table constraint		OZ, Choco Solver	datacenter				179	791
HillTV21 [246]	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	652
HoYLLCLC18 [247]	6	resource, task, machine, distributed, re-scheduling, order, job, scheduling			C		nurse, medical, patient		real-world		75	687
HoeveGSL07 [506]	6	re-scheduling, job, precedence, distributed, resource, task, job-shop, multi-agent, scheduling, machine, order		disjunctive		Ilog Scheduler, Cplex			benchmark	edge-finding	218	830
Hooker04 [249]	12	machine, task, precedence, release-date, make-span, order, tardiness, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		255	867
Hooker05a [251]	14	release-date, due-date, resource, scheduling, make-span, task, precedence, order, machine, tardiness, job		circuit, cumulative, disjunctive		OPL, Cplex, Ilog Scheduler					244	856
Hooker17 [254]	14	job, due-date, order, tardiness, scheduling, resource		circuit		OZ			benchmark, random instance		89	701
HookerY02 [258]	5	resource, scheduling, order, machine, job	RCPSP	disjunctive, cumulative							276	888
HoundjiSWD14 [259]	16	precedence, resource, scheduling, machine, inventory, transportation, due-date, order	single machine	circuit					bitbucket, generated instance		143	755
IfrimOS12 [261]	16	task, order, machine, job, re-scheduling, distributed, due-date, resource, scheduling		disjunctive			datacenter, energy-price		real-life		164	776
JelinekB16 [265]	10	scheduling, task, order, completion-time		table constraint, cumulative	Prolog	OZ, SICS-tus, OPL			real-life		105	717
JungblutK22 [267]	4	distributed, machine, make-span, scheduling, resource, order, task, preempt		circuit		MiniZinc			benchmark, github, real-world		20	632
JuvinHHL23 [268]	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	616

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
JuvinHL23 [269]	16	make-span, completion-time, task, precedence, order, cmax, machine, tardiness, job, setup-time, job-shop, flow-shop, scheduling		noOverlap, end-BeforeStart		Cplex, CPO			real-world		5	617
KamarainenS02 [270]	17	machine, job-shop, resource, precedence, transportation, earliness, activity, job, order, preempt, scheduling	KRFP			ECLiPSe			real-world, benchmark		277	889
KameugneFGOQ18 [272]	17	resource, task, cmax, precedence, make-span, scheduling, order, completion-time	RCSPSP, CuSP	cumulative, disjunctive	Java	CHIP, Choco Solver			benchmark, real-world	time-tabling, not-first, sweep, not-last, energetic reasoning	76	688
KameugneFND23 [273]	17	machine, resource, precedence, cmax, order, preempt, scheduling, make-span, completion-time, task, lazy clause generation	psplib, CuSP, RCSPSP	disjunctive, cumulative	Java	CHIP, Choco Solver			benchmark	sweep, energetic reasoning, edge-finding, not-last, not-first, edge-finder, time-tabling	6	618
KameugneFSN11 [274]	15	job-shop, release-date, resource, precedence, job, order, preempt, scheduling, make-span, completion-time, task	RCSPSP, psplib, CuSP	disjunctive, cumulative		Gecode			benchmark	edge-finding, not-last, not-first, time-tabling	180	792
KelarevaTK13 [277]	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	earth observation, shipping line, satellite		real-world		152	764
KeriK07 [279]	14	due-date, tardiness, temporal constraint reasoning, job, activity, order, earliness, make-span, scheduling, precedence, cmax, resource, job-shop	RCSPSP	cycle	C++					edge-finding	219	831
KhemmoudjPB06 [281]	13	resource, stock level, distributed, order, scheduling		cycle, cumulative	C++	CHIP			real-world		229	841

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KimCMLLP23 [282]	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	619
KlankeBYE21 [283]	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	653
KletzanderM17 [284]	15	scheduling, machine, resource, transportation, order	parallel machine			OZ	torpedo	steel industry			90	702
KorbaaYG99 [287]	8	job, resource, task, job-shop, scheduling, machine, flow-shop, order, transportation, make-span		cycle, circuit	Prolog	CHIP, Ilog Solver, OZ	robot, hoist				286	898
KoschB14 [289]	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		144	756
KovacsB07 [290]	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		220	832
KovacsEKV05 [293]	1	scheduling, resource, setup-time, job, job-shop, precedence							real-life		245	857
KovacsTKSG21 [297]	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	654
KovacsV04 [295]	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	256	868
KovacsV06 [296]	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		230	842
KreterSS15 [298]	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		122	734
KrogtLPHJ07 [505]	13	resource, order, job, inventory, activity, due-date, machine, job-shop, precedence, scheduling		circuit	Prolog	OPL	semiconductor aircraft		real-world		221	833
KucukY19 [304]	5	order, scheduling, distributed, resource, setup-time, sequence dependent setup, task		disjunctive, cycle, noOverlap		Cplex	satellite, earth observation		benchmark, generated instance	time-tabling	62	674

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Kumar03 [303]	15	activity, order, scheduling, producer/consumer, resource		cycle						bi-partite matching, max-flow	266	878
Laborie09 [306]	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		198	810
Laborie18a [307]	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	77	689
LacknerMMWW21 [309]	18	release-date, flow-shop, batch process, setup-time, job, order, due-date, tardiness, scheduling, make-span, machine, task, lateness, earliness	parallel machine, OSP, single machine	noOverlap, cumulative, end-BeforeStart		Chuffed, Cplex, OPL, CPO, OZ, OR-Tools, MiniZinc, Gurobi	semiconductor oven scheduling	electronics industry, steel industry, manufacturing industry	random instance, industrial partner, benchmark, instance generator, real-life, supplementary material		43	655
LahimerLH11 [311]	14	resource, task, machine, preempt, cmax, precedence, make-span, order, job, scheduling, completion-time	parallel machine, RCPSP	disjunctive	C++	Ilog Scheduler			benchmark	energetic reasoning	181	793
LauLN08 [313]	5	order, distributed, inventory, resource, scheduling, flow-shop, transportation, job-shop, machine, job							benchmark, real-world		209	821
LetortBC12 [316]	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	165	777
LetortCB13 [317]	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	153	765
LiFJZLL22 [319]	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	633
LimBTBB15 [323]	15	job-shop, scheduling, multi-agent, order, machine, tardiness, job, re-scheduling, earliness				OPL	HVAC		benchmark	time-tabling	123	735
LimHTB16 [322]	18	machine, activity, re-scheduling, multi-agent, order, scheduling, distributed		cumulative		OPL	real-time pricing, HVAC, energy-price		real-world		106	718
LimRX04 [321]	5	scheduling, preempt, machine, job, completion-time, order, transportation				OZ	container terminal		generated instance		257	869

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Limtanyakul07 [324]	6	make-span, task, machine, release-date, resource, precedence, job, order, scheduling, due-date		cumulative		OPL	robot		real-life	energetic reasoning	222	834
LipovetzkyBPS14 [326]	9	scheduling, resource, precedence, task, order, transportation, make-span		disjunctive		Cplex	crew-scheduling		industrial partner, real-life, industry partner, real-world, benchmark, generated instance		145	757
LiuCGM17 [328]	17	transportation, order, cmax, scheduling, machine, task, activity			Python	OR-Tools, OPL, MiniZinc		tourism industry	github		91	703
LiuJ06 [329]	5	make-span, task, order, scheduling, resource		cycle, disjunctive							231	843
LiuLH19 [327]	9	order, resource, scheduling				Choco Solver, OZ			CSPLib, benchmark	time-tabling	63	675
LombardiBM15 [331]	16	completion-time, job-shop, resource, activity, precedence, scheduling, machine, distributed, order, job, make-span, task	JSSP, RCPSP, psplib						benchmark, real-world		124	736
LombardiBMB11 [332]	17	resource, order, activity, completion-time, scheduling, make-span, machine, task, precedence	RCPSP	cycle, cumulative	C++		hoist		benchmark, industrial instance, real-life		182	794
LombardiM09 [333]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task, preempt	RCPSP			Ilog Solver			real-world, instance generator		199	811
LombardiM10 [335]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task	RCPSP	disjunctive, cumulative		Ilog Solver			real-world, benchmark		190	802
LombardiM13 [338]	2	precedence, make-span, order, activity, scheduling, resource, task	RCPSP, psplib								154	766
LuoB22 [346]	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	634
LuoVLBM16 [345]	4	task, machine, precedence, order, job, activity, job-shop, resource, scheduling					nurse			time-tabling	107	719
Madi-WambaB16 [347]	16	precedence, job, order, scheduling, task, resource		cumulative	Java	Choco Solver, CHIP			real-world, benchmark, random instance, generated instance		108	720
Madi-WambaLOBM17 [348]	8	machine, task, activity, re-scheduling, job, precedence, distributed, scheduling, order, resource		bin-packing, cumulative	Prolog	SICStus	datacenter		real-world	sweep	92	704

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MakMS10 [349]	5	scheduling, due-date, order, machine, inventory, task, job, activity, transportation, precedence, resource		cycle							191	803
MalapertN19 [351]	17	make-span, scheduling, completion-time, sequence dependent setup, resource, order, setup-time, job, flow-time, task, machine, cmax	parallel machine, PMSP, PTC, single machine	noOverlap, alwaysIn, cumulative, alternative constraint		Cplex, CPO	semiconductor		generated instance, benchmark, industrial instance, Roadeff		64	676
MaraveliasG04 [354]	20					OZ					258	870
Mehdizadeh-Somarin23 [357]	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	620
MelgarejoLS15 [8]	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		125	737
Mercier-AubinGQ20 [362]	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	RCPSPP	cycle, circuit, cumulative, disjunctive	C++, Python	OPL, MiniZinc		textile industry, manufacturing industry	industrial instance, industrial partner		49	661
MoffittPP05 [363]	6	scheduling, resource, order, activity, machine, cmax, make-span	Temporal Constraint Satisfaction Problem	cycle, disjunctive							246	858
MonetteDD07 [365]	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	223	835
MonetteDH09 [366]	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	200	812
MossigeGSMC17 [369]	18	activity, job, distributed, order, completion-time, preempt, scheduling, make-span, machine, task, job-shop, resource, precedence	FJS, single machine, RCPSPP	cumulative, cycle, disjunctive	Prolog	SICStus, CHIP	rectangle-packing, robot		industrial partner, real-world, benchmark, random instance, CSPLib, generated instance		93	705
MouraSCL08 [371]	16	scheduling, preempt, activity, order, transportation, inventory, precedence, distributed, resource		table constraint, disjunctive, cycle	C++	Ilog Solver, OZ, Ilog Scheduler	pipeline		max-flow		210	822

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MouraSCL08a [370]	8	transportation, re-scheduling, order, scheduling, due-date, resource, inventory, distributed	JSPT	disjunctive, cumulative	C++	Ilog Solver, Ilog Scheduler	pipeline		real-world, benchmark		211	823
MurinR19 [373]	16	job-shop, task, make-span, transportation, order, resource, scheduling, machine, setup-time, job, activity, completion-time, precedence		noOverlap, alternative constraint, endBeforeStart		Cplex, OPL	patient, robot		real-life, benchmark, github		65	677
MurphyMB15 [374]	17	scheduling, task, order, machine, activity, re-scheduling, resource		cycle, circuit, cumulative, disjunctive	Java	Choco Solver			real-world		126	738
Muscettola02 [375]	16	job-shop, resource, activity, precedence, scheduling, order, job, cmax		cycle						edge-finding, max-flow	278	890
MusliuSS18 [376]	17	distributed, scheduling, activity, manpower, task, order, machine		cycle		Gecode, Gurobi, MiniZinc	operating room, nurse		generated instance, benchmark, real-life		78	690
NattafM20 [381]	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	662
NethercoteSBBDT07 [382]	15	resource, machine, job-shop, order, job, task			C++	MiniZinc, ECLiPSe, Choco Solver, Ilog Solver, OZ, Gecode, OPL, Cplex			CSPLib, benchmark		224	836
NishikawaSTT18 [384]	6	make-span, order, resource, activity, task, distributed, precedence, scheduling		alternative constraint, endBeforeStart		Cplex, OZ	pipeline, robot		real-world, benchmark		79	691
NishikawaSTT18a [385]	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		80	692
NuijtenA94 [392]	5	precedence, resource, job-shop, scheduling, preempt, order, completion-time, machine, make-span, job	JSSP	disjunctive	C++	Ilog Solver, CPO				time-tabling	307	919
OddiPCC03 [394]	15	preempt, distributed, resource, scheduling, precedence, order, completion-time, task, machine, activity	single machine	cycle	Java		satellite, earth observation		benchmark		267	879
OuelletQ13 [396]	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	155	767

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
OuelletQ18 [397]	18	scheduling, task, order, make-span, completion-time, precedence, resource	RCPSP, pspLib	cumulative, dis-junctive	Java	OZ, Choco Solver			benchmark, RoadeF	edge-finding, not-first, energetic reasoning, not-last, time-tabling	81	693
OuelletQ22 [398]	17	scheduling, task, order, preempt, activity, completion-time, resource, lazy clause generation		cumulative, dis-junctive	Java	MiniZinc, Choco Solver	nurse		github, benchmark, random instance	edge-finding, not-first, energetic reasoning, not-last, time-tabling, sweep	23	635
OujanaAYB22 [399]	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, dis-junctive		CPO, OPL	COVID, robot	food industry, steel industry	benchmark, industrial instance, real-world, real-life		24	636
ParkUJR19 [405]	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		66	678
PembertonG98 [406]	14	job-shop, resource, activity, preempt, scheduling, machine, order, job, task		geost, cycle		Ilog Solver, OPL	satellite, robot				290	902
PerezGSL23 [407]	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	621
PesantRR15 [409]	16	activity, transportation, lazy clause generation, scheduling, order		cumulative, table constraint		Gurobi, Gecode, Ilog Solver					127	739
PoderB08 [411]	8	resource, producer/consumer, release-date, task, activity, preempt, due-date, order, scheduling		cumulative		CHIP				sweep	212	824
PopovicCGNC22 [415]	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	637

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
PovedaAA23 [417]	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	622
Pralet17 [418]	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		94	706
PraletLJ15 [419]	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				128	740
Puget95 [421]	4	resource, job-shop, task, job, activity, order, scheduling, transportation, manpower		disjunctive		OPL			benchmark		302	914
QuSN06 [424]	4	task, scheduling, distributed, resource, precedence		circuit	Prolog	SICStus					232	844
QuirogaZH05 [425]	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				247	859
RendlPHPR12 [426]	17	re-scheduling, job, scheduling, order, machine, transportation			Java	OZ	medical, patient, nurse		real-world, CSPLib, benchmark		166	778
RiahiNS018 [427]	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		82	694
RodosekW98 [428]	15	task, order, transportation, machine, activity, make-span, job, resource, scheduling		circuit, disjunctive, cycle	Prolog	OPL, CHIP, ECLiPSe, Cplex	hoist, electroplating		benchmark		291	903
RossiTHP07 [431]	15	resource, inventory, scheduling, distributed, stock level, order		cumulative, cycle		OPL, Choco Solver					225	837
Sadykov04 [434]	7	release-date, due-date, preempt, scheduling, completion-time, task, precedence, machine, job, lateness	parallel machine, single machine	disjunctive						edge-finding	259	871
SchuttCSW12 [439]	17	scheduling, resource, order, preempt, activity, lazy clause generation, precedence, make-span		cumulative		CHIP			benchmark		167	779
SchuttFS13 [441]	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	156	768

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SchuttFS13a [440]	17	make-span, scheduling, completion-time, resource, order, task, machine, preempt, activity, lazy clause generation, precedence	RCPSP, psplib	disjunctive, cumulative, circuit		CHIP, OZ			benchmark	not-last, edge-finding, energetic reasoning	157	769
SchuttFSW09 [442]	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	201	813
SchuttS16 [447]	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		109	721
SchuttW10 [448]	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	192	804
SchuttWS05 [449]	15	task, order, due-date, machine, preempt, resource, release-date, scheduling		cumulative, disjunctive		OPL, CHIP			benchmark	not-last	248	860
SerraNM12 [450]	17	preempt, resource, scheduling, precedence, order, machine, activity, release-date, inventory		alwaysIn, cumulative, cycle		OPL, Cplex			benchmark, real-world		168	780
Shaw98 [452]	15	distributed, resource, machine, job, job-shop, transportation, task, order, scheduling		disjunctive	C++				benchmark		292	904
SialaAH15 [457]	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	129	741
SimoninAHL12 [458]	15	resource, activity, precedence, preempt, scheduling, order, task		disjunctive, span constraint, cumulative, cycle		CHIP	satellite			sweep	169	781
Simonis95 [460]	4	transportation, resource, scheduling, task, machine, producer/consumer, precedence, order		cumulative, cycle, diffn, circuit	Prolog	CHIP	aircraft	food industry			303	915
SimonisC95 [462]	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		304	916
SquillaciPR23 [464]	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	623
SunLYL10 [467]	6	task, order, scheduling, distributed		cycle		Cplex, OPL	automotive				193	805

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SvancaraB22 [469]	8	multi-agent, batch process, make-span, order, activity, scheduling, resource, task		alternative constraint, noOverlap			railway		benchmark, real-world	time-tabling	26	638
SzerediS16 [470]	10	task, order, machine, preempt, activity, make-span, resource, precedence, lazy clause generation, scheduling	RCPSP, psplib	cumulative		Cplex, MiniZinc, Chuffed, Gecode			benchmark		110	722
TangB20 [472]	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	663
TardivoDFMP23 [474]	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	624
TasselGS23 [475]	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	625
Teppan22 [478]	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	639
Tesch16 [481]	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	111	723
Tesch18 [482]	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	83	695
ThiruvadyBME09 [483]	15	tardiness, open-shop, machine, due-date, job, make-span, scheduling, order, resource, setup-time	single machine	cumulative	C++	Gecode					202	814
Thorsteinsson01 [485]	15	task, due-date, order, scheduling, job, machine, precedence	parallel machine	alldifferent, circuit, cumulative		OZ, OPL					281	893

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Tom19 [487]	6	job-shop, job, re-scheduling, task, tardiness, activity, resource, make-span, scheduling, machine, transportation	single machine		Java	OZ, OPL			real-world		67	679
TouatBT22 [490]	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	640
Touraivane95 [491]	3	scheduling, order, task			Prolog		crew-scheduling		real-life		305	917
TranB12 [493]	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		170	782
TranDRFWOVB16 [494]	9	resource, activity, re-scheduling, job, order, scheduling, machine, task, job-shop, precedence		cycle	Python	OPL	aircraft				112	724
TranTDB13 [496]	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		158	770
TranVNB17a [498]	5	scheduling, task, order, transportation, machine, activity, resource, setup-time		alternative constraint, cumulative		Cplex	medical, robot		real-world		95	707
TranWDRFOVB16 [499]	9	precedence, job, order, activity, scheduling, job-shop, machine, task	single machine	cumulative, cycle	Python	OPL, Ilog Scheduler	robot, satellite		benchmark		113	725
ValleMGT03 [502]	8	machine, order, transportation, make-span, resource, job, precedence, task, job-shop, scheduling				Ilog Solver	robot		real-life	edge-finder	268	880
VanczaM01 [507]	15	resource, scheduling, precedence, task, machine, order		disjunctive, cycle		OZ	robot		real-life, real-world		282	894
VerfaillieL01 [508]	15	job, open-shop, order, scheduling, task, job-shop	Open Shop Scheduling Problem	cycle		Cplex, OPL	earth observation, satellite				283	895
Vilim02 [509]	1	scheduling, precedence, sequence dependent setup, batch process, activity, setup-time, resource		cumulative, disjunctive						edge-finding	279	891
Vilim03 [510]	1	scheduling, job, open-shop, order, job-shop		cumulative, disjunctive						not-last, edge-finding	269	881
Vilim04 [511]	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	260	872

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Vilim05 [512]	14	scheduling, precedence, preempt, machine, task, job, open-shop, completion-time, activity, order, resource, make-span, job-shop		cumulative, disjunctive	C++				benchmark	not-last	249	861
Vilim09 [513]	15	scheduling, precedence, preempt, job, completion-time, activity, order, resource, job-shop		cumulative, cycle		CPO				energetic reasoning, not-last, edge-finding, not-first	203	815
Vilim09a [514]	15	order, scheduling, resource, completion-time, task, activity, preempt		cycle, cumulative		Ilog Scheduler				edge-finding, not-last, energetic reasoning	204	816
Vilim11 [515]	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	183	795
VilimBC04 [516]	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	261	873
VilimLS15 [518]	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	130	742
WangB20 [524]	8	job, order, machine, task, distributed, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		OZ, Gurobi	aircraft		github		52	664
WangB23 [525]	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	626
WatsonB08 [528]	15	job-shop, resource, scheduling, make-span, completion-time, machine, order, cmax, job		disjunctive	C++	Ilog Scheduler			benchmark, real-world		213	825
WessenCS20 [529]	10	make-span, completion-time, precedence, job, scheduling, task, order, job-shop, multi-agent		circuit		Gecode, OZ	robot		real-world		53	665
WinterMMW22 [531]	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	641

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Wolf03 [532]	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	270	882
WolfS05 [533]	14	preempt, activity, order, task, completion-time, scheduling, distributed, resource		cumulative		CHIP			real-world	energetic reasoning, not-last, sweep	250	862
WolinskiKG04 [534]	8	resource, precedence, scheduling, machine, order, distributed	SCC	cycle	Java		pipeline				263	875
WuBB05 [535]	1	scheduling, resource, job, make-span, release-date				Ilog Scheduler			benchmark		251	863
YangSS19 [537]	10	resource, completion-time, machine, task, activity, preempt, order, scheduling, lazy clause generation		cumulative, disjunctive	Prolog	Choco Solver, Gecode, CHIP, SIC-Stus, OPL, OR-Tools	rectangle-packing		generated instance	not-last, energetic reasoning, edge-finding	68	680
YoungFS17 [539]	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	96	708
YuraszeckMC23 [541]	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	627
ZhangBB22 [549]	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	642
ZhangJZL22 [548]	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	643
ZhangLS12 [552]	4	scheduling, order, cmax								time-tabling	171	783
Zhou96 [553]	15	release-date, job-shop, due-date, task, order, scheduling, precedence, completion-time, job, machine		disjunctive	Prolog	Z3				edge-finding	300	912
ZhouGL15 [555]	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		131	743
ZhuS02 [556]	5	activity, scheduling, distributed, resource									280	892
ZibranR11 [557]	4	scheduling, order, activity			Java	OPL, Cplex					184	796

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ZibranR11a [558]	10	scheduling, distributed, order, activity, resource				Cplex, OPL				time-tabling	185	797

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	Based On	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	311
Bit-Monnot23 Bit-Monnot23 [84]	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	ARIES CP Opt OR-Tools Mistral OR-Tools	real-world, github, benchmark	1	y		y	-	JSSP OSSP	-	2	353
EfthymiouY23 EfthymiouY23 [161]	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems		benchmark, random instance, generated instance, real-life, industrial instance	3	n		n	-	CHSP	-	3	396
JuvinHHL23 JuvinHHL23 [268]	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	457
JuvinHL23 JuvinHL23 [269]	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	5	458
KameugneFND23 KameugneFND23 [273]	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	?	benchmark	5	BL PSPLib		n	-	RCPSPs	sameSequence cumulative	6	461
KimCMLLP23 KimCMLLP23 [282]	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Gurobi OR-Tools	real-world, benchmark, zenodo	0	y		n	-	SCC	alternative noOverlap	7	466
Mehdizadeh-Somarin23 Mehdizadeh-Somarin23 [357]	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	508
PerezGSL23 PerezGSL23 [407]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	9	533
PovedaAA23 PovedaAA23 [417]	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	537
SquillaciPR23 SquillaciPR23 [464]	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Cplex Studio	github, benchmark	2	y		n	-	EOSP	?	11	561
TardivoDFMP23 TardivoDFMP23 [474]	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	566
TasselGS23 TasselGS23 [475]	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	567
WangB23 WangB23 [525]	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	FaCiLe	real-world, random instance	0	(y)		n	[524]	FJS	-	14	594
YuraszeckMC23 YuraszeckMC23 [541]	A competitive constraint programming approach for the group shop scheduling problem	CP Opt	github, benchmark	0	ref		n	-	GSSP	noOverlap endBeforeStart	15	604

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
ArmstrongGOS22 ArmstrongGOS22 [19]	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	CP Opt	real-world, benchmark	0	(y)		-	[18]	$HFFm tt C_{\max}$	endBeforeStart alternative cumulative noOverlap	16	321
BoudreaultSLQ22 BoudreaultSLQ22 [104]	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	365
GeitzGSSW22 GeitzGSSW22 [196]	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	417
HebrardALLCMR22 HebrardALLCMR22 [230]	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration			0							19	437
JungblutK22 JungblutK22 [267]	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	MiniZinc	benchmark, github, real-world	0	y		y	-			20	456
LiFJZLL22 LiFJZLL22 [319]	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	487
LuoB22 LuoB22 [346]	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	501
OuelletQ22 OuelletQ22 [398]	A MinCumulative Resource Constraint	Choco	github, benchmark, random instance	1	y		y	-		cumulative minCumulative	23	529
OujanaAYB22 OujanaAYB22 [399]	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	24	530
PopovicCGNC22 PopovicCGNC22 [415]	Scheduling the Equipment Maintenance of an Electric Power Transmission Network Using Constraint Programming	CP Opt		0	n		n	-	TMS	endBeforeStart alwaysIn noOverlap	25	536
SvancaraB22 SvancaraB22 [469]	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling		benchmark, real-world	0							26	563
Teppan22 Teppan22 [478]	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	OPL	real-life, benchmark	0	ref		n	-	FJSSP	noOverlap alternative endBeforeStart	27	568
TouatBT22 TouatBT22 [490]	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	574
WinterMMW22 WinterMMW22 [531]	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	597

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
ZhangBB22 ZhangBB22 [549]	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware		benchmark, generated instance	0							30	605
ZhangJZL22 ZhangJZL22 [548]	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	OP Opt	benchmark	0	ref		n	-	HFSP	alternative endBeforeStart noOverlap cumulative	31	606
AntuoriHHEN21 AntuoriHHEN21 [15]	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	318
ArmstrongGOS21 ArmstrongGOS21 [18]	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	320
ArtiguesHQT21 ArtiguesHQT21 [22]	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms			0							34	No
Astrand0F21 Astrand0F21 [26]	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	325
BenderWS21 BenderWS21 [73]	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	CP Opt		9	y		n	-	MRCPSP	noOverlap alternative	36	347
GeibingerKKMMW21 GeibingerKKMMW21 [192]	Physician Scheduling During a Pandemic	MiniZinc	real-world	3	y		n	-		nvalue	37	414
GeibingerMM21 GeibingerMM21 [195]	Constraint Logic Programming for Real-World Test Laboratory Scheduling	clingcon	real-life, github, generated instance, real-world, benchmark	0	y				TLSP RCPSP	disjunctive	38	416
HananKP21 HananKP21 [225]	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	435
HillTV21 HillTV21 [246]	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	446
KlankeBYE21 KlankeBYE21 [283]	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	467
KovacsTKSG21 KovacsTKSG21 [297]	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	473
LacknerMMWW21 LacknerMMWW21 [309]	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	482

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
AntuoriHHEN20 AntuoriHHEN20 [14]	Leveraging Reinforcement Learning, Constraint Programming and Local Search: A Case Study in Car Manufacturing		random instance, generated instance, gitlab, benchmark, industrial instance	4							44	317
BarzegaranZP20 BarzegaranZP20 [50]	Quality-Of-Control-Aware Scheduling of Communication in TSN-Based Fog Computing Platforms Using Constraint Programming	OR-Tools		5	n		n	-	FCP		45	337
GodetLHS20 GodetLHS20 [203]	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 groupCumulative	46	423
GroleazNS20 GroleazNS20 [216]	Solving the Group Cumulative Scheduling Problem with CPO and ACO	CP Opt ACO	benchmark, industrial instance	0	-		-	[216]	GCSP		47	430
GroleazNS20a GroleazNS20a [215]	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	431
Mercier-AubinGQ20 Mercier-AubinGQ20 [362]	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	MiniZinc Chuffed	industrial instance, industrial partner	1	a		a	-		circuit cumulative	49	510
NattafM20 NattafM20 [381]	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Cplex CP Opt	benchmark, industrial instance	7	-		-	[351]	PTC	alternative noOverlap	50	521
TangB20 TangB20 [472]	CP and Hybrid Models for Two-Stage Batching and Scheduling	Cplex CP Opt	real-world	0	n		n	-	2BPHFSP	span alwaysIn	51	565
WangB20 WangB20 [524]	Global Propagation of Transition Cost for Fixed Job Scheduling	FaCiLe	github	0	y		n	-	FJS	-	52	593
WessenCS20 WessenCS20 [529]	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Gecode	real-world	10	n		n	-		circuit alldifferent	53	596
BadicaBIL19 BadicaBIL19 [30]	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	ECLiPSe	github	0	dead		dead	-			54	327
BehrensLM19 BehrensLM19 [65]	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		55	343
BogaerdTW19 BogaerdTW19 [504]	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	custom Cplex	benchmark	4	n		n	-	Multi Machine Scheduling	noOverlap	56	357
ColT19 ColT19 [133]	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	CP Opt OR-Tools	github, benchmark, real-world	2	y		y	-	JSSP	noOverlap	57	382
FrimodigS19 FrimodigS19 [180]	Models for Radiation Therapy Patient Scheduling	Mini-Zinc Gecode Cplex	benchmark, real-world	1	n		n	-		cumulative regular bin-packing	58	405
FrohnertR19 FrohnertR19 [181]	Casual Employee Scheduling with Constraint Programming and Metaheuristics		benchmark, real-world	0							59	406
GalleguillosKSB19 GalleguillosKSB19 [183]	Constraint Programming-Based Job Dispatching for Modern HPC Applications	OR-Tools		5			y		on-line dispatch		60	408

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
GeibingerMM19 GeibingerMM19 [194]	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling		real-life, generated instance, industrial partner, real-world, benchmark	3							61	415
KucukY19 KucukY19 [304]	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem		benchmark, generated instance	0							62	478
LiuLH19 LiuLH19 [327]	Solving the Talent Scheduling Problem by Parallel Constraint Programming		CSPLib, benchmark	0							63	495
MalapertN19 MalapertN19 [351]	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications		generated instance, benchmark, industrial instance, Roadef	3							64	506
MurinR19 MurinR19 [373]	Scheduling of Mobile Robots Using Constraint Programming	CP Opt Cplex OPL	real-life, benchmark, github	3	y		y		JSPT	endBeforeStart alternative noOverlap	65	517
ParkUJR19 ParkUJR19 [405]	Developing a Production Scheduling System for Modular Factory Using Constraint Programming		real-world	0							66	531
Tom19 Tom19 [487]	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling		real-world	0							67	573
YangSS19 YangSS19 [537]	Time Table Edge Finding with Energy Variables		generated instance	1							68	602
ArbaouiY18 ArbaouiY18 [17]	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming		benchmark	0							69	319
AstrandJZ18 AstrandJZ18 [27]	Fleet Scheduling in Underground Mines Using Constraint Programming			0							70	326
BenediktSMVH18 BenediktSMVH18 [76]	Energy-Aware Production Scheduling with Power-Saving Modes	CPO Gurobi	github, random instance, generated instance	1	y		y	-	Energy Aware Production Scheduling		71	348
CappartTSR18 CappartTSR18 [115]	A Constraint Programming Approach for Solving Patient Transportation Problems		bitbucket, CSPLib, real-life	1							72	370
DemirovicS18 DemirovicS18 [150]	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts		real-world, benchmark	5							73	389
He0GLW18 He0GLW18 [229]	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		74	436
HoYLLCLC18 HoYLLCLC18 [247]	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints		real-world	0							75	447
KameugneFGOQ18 KameugneF-GOQ18 [272]	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint		benchmark, real-world	0							76	460
Laborie18a Laborie18a [307]	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling		real-life, benchmark, real-world	0							77	481
MusliuSS18 MusliuSS18 [376]	Solver Independent Rotating Workforce Scheduling		generated instance, benchmark, real-life	2							78	520
NishikawaSTT18 NishikawaSTT18 [384]	Scheduling of Malleable Fork-Join Tasks with Constraint Programming		real-world, benchmark	0							79	523

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
NishikawaSTT18a NishikawaSTT18a [385]	Scheduling of Malleable Tasks Based on Constraint Programming		real-world, benchmark, real-life	0							80	524
OuelletQ18 OuelletQ18 [397]	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning		benchmark, Roadeff	0							81	528
RiahiNS018 RiahiNS018 [427]	Local Search for Flowshops with Setup Times and Blocking Constraints		real-world, real-life, benchmark	0							82	544
Tesch18 Tesch18 [482]	Improving Energetic Propagations for Cumulative Scheduling		Roadeff	0							83	570
BofillCSV17 BofillCSV17 [90]	An Efficient SMT Approach to Solve MRCPPS/max Instances with Tight Constraints on Resources		benchmark	2							84	354
CappartS17 CappartS17 [114]	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	CPO	bitbucket, random instance, real-life	1	y		n	-	Rescheduling Railway Traffic		85	369
CohenHB17 CohenHB17 [131]	(I Can Get) Satisfaction: Preference-Based Scheduling for Concert-Goers at Multi-venue Music Festivals			12							86	381
GelainPRVW17 GelainPRVW17 [197]	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems		CSPlib, real-life, benchmark	2							87	418
GoldwaserS17 GoldwaserS17 [206]	Optimal Torpedo Scheduling	Chuffed Gurobi	instance generator, github, generated instance	4	y		n	-	Torpedo Scheduling		88	424
Hooker17 Hooker17 [254]	Job Sequencing Bounds from Decision Diagrams		benchmark, random instance	0							89	451
KletzanderM17 KletzanderM17 [284]	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem			2							90	468
LiuCGM17 LiuCGM17 [328]	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Chuffed OR-Tools HCSP SA	github	11	n			-	NightSplit		91	493
Madi-WambaLOBM17 Madi-WambaLOBM17 [348]	Green Energy Aware Scheduling Problem in Virtualized Datacenters		real-world	0							92	504
MossigeGSMC17 MossigeGSMC17 [369]	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems		industrial partner, real-world, benchmark, random instance, CSPlib, generated instance	4							93	514
Pralet17 Pralet17 [418]	An Incomplete Constraint-Based System for Scheduling with Renewable Resources		benchmark	1							94	538
TranVNB17a TranVNB17a [498]	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots (Extended Abstract)		real-world	0							95	579
YoungFS17 YoungFS17 [539]	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem		benchmark, github, instance generator	6							96	603
BonfiettiZLM16 BonfiettiZLM16 [100]	The Multirate Resource Constraint		generated instance, github, industrial instance, benchmark, real-world	1							97	363

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
BoothNB16 BoothNB16 [101]	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes		real-world	0							98	364
BridiLBBM16 BridiLBBM16 [108]	DARDIS: Distributed And Randomized Dispatching and Scheduling			0							99	366
CauwelaertDMS16 CauwelaertDMS16 [121]	Efficient Filtering for the Unary Resource with Family-Based Transition Times		real-life, bit-bucket, benchmark	2							100	373
FontaineMH16 FontaineMH16 [176]	Parallel Composition of Scheduling Solvers		benchmark	2							101	402
GilesH16 GilesH16 [199]	Solving a Supply-Delivery Scheduling Problem with Constraint Programming			0							102	420
GingrasQ16 GingrasQ16 [200]	Generalizing the Edge-Finder Rule for the Cumulative Constraint		benchmark	0							103	421
HechingH16 HechingH16 [233]	Scheduling Home Hospice Care with Logic-Based Benders Decomposition		real-world	0							104	439
JelinekB16 JelinekB16 [265]	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station		real-life	2							105	455
LimHTB16 LimHTB16 [322]	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control		real-world	4							106	489
LuoVLBM16 LuoVLBM16 [345]	Using Metric Temporal Logic to Specify Scheduling Problems			0							107	502
Madi-WambaB16 Madi-WambaB16 [347]	The TaskIntersection Constraint		real-world, benchmark, random instance, generated instance	3							108	503
SchuttS16 SchuttS16 [447]	Explaining Producer/Consumer Constraints		benchmark	1							109	552
SzerediS16 SzerediS16 [470]	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling		benchmark	2							110	564
Tesch16 Tesch16 [481]	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $O(n^2 \log n)$		Roadef	1							111	569
TranDRFWOVB16 TranDRFWOVB16 [494]	A Hybrid Quantum-Classical Approach to Solving Scheduling Problems			0							112	577
TranWDRFOVB16 TranWDRFOVB16 [499]	Explorations of Quantum-Classical Approaches to Scheduling a Mars Lander Activity Problem		benchmark	0							113	580
BartakV15 BartakV15 [48]	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints		real-world, real-life	0							114	335
BofillGSV15 BofillGSV15 [92]	MaxSAT-Based Scheduling of B2B Meetings		industrial instance	3							115	356
BurtLPS15 BurtLPS15 [111]	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feedrate Constraints: A Mine Planning Case Study		real-world, benchmark, industry partner	5							116	368
DejemeppeCS15 DejemeppeCS15 [147]	The Unary Resource with Transition Times		real-world, bitbucket, generated instance, benchmark	4							117	387
EvenSH15 EvenSH15 [166]	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling		real-life, real-world	0							118	400
GayHLS15 GayHLS15 [187]	Conflict Ordering Search for Scheduling Problems		benchmark, bit-bucket	0							119	410

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
GayHS15	Simple and Scalable Time-Table Filtering for the Cumulative Constraint		bitbucket	2							120	411
GayHS15 [188]												
GayHS15a	Time-Table Disjunctive Reasoning for the Cumulative Constraint		benchmark, bitbucket, real-world	0							121	412
GayHS15a [189]												
KreterSS15	Modeling and Solving Project Scheduling with Calendars		benchmark	3							122	476
KreterSS15 [298]												
LimBTBB15	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings		benchmark	3							123	488
LimBTBB15 [323]												
LombardiBM15	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty		benchmark, real-world	0							124	496
LombardiBM15 [331]												
MelgarejoLS15	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems		real-world, benchmark	1							125	509
MelgarejoLS15 [8]												
MurphyMB15	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System		real-world	3							126	518
MurphyMB15 [374]												
PesantRR15	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem			1							127	534
PesantRR15 [409]												
PraletLJ15	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search			0							128	539
PraletLJ15 [419]												
SialaAH15	Two Clause Learning Approaches for Disjunctive Scheduling		github, benchmark	5							129	557
SialaAH15 [457]												
VilimLS15	Failure-Directed Search for Constraint-Based Scheduling		benchmark	8							130	592
VilimLS15 [518]												
ZhouGL15	On complex hybrid flexible flowshop scheduling problems based on constraint programming		real-world	0							131	609
ZhouGL15 [555]												
AlesioNBG14	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing		benchmark	2							132	315
AlesioNBG14 [154]												
BartoliniBBLM14	Proactive Workload Dispatching on the EURORA Supercomputer			4							133	336
BartoliniBBLM14 [49]												
BessiereHMQW14	Buffered Resource Constraint: Algorithms and Complexity		benchmark, real-life	0							134	351
BessiereHMQW14 [81]												
BofillEGPSV14	Scheduling B2B Meetings		industrial instance	6							135	355
BofillEGPSV14 [91]												
BonfiettiLM14	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!		real-world, benchmark	2							136	361
BonfiettiLM14 [98]												
DejemeppeD14	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling		bitbucket	0							137	388
DejemeppeD14 [148]												
DerrienP14	A New Characterization of Relevant Intervals for Energetic Reasoning		random instance	0							138	390
DerrienP14 [152]												
DerrienPZ14	A Declarative Paradigm for Robust Cumulative Scheduling		benchmark, random instance, real-world	0							139	391
DerrienPZ14 [153]												
DoulabiRP14	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling			0							140	394
DoulabiRP14 [158]												
FriedrichFMRSS14	Representing Production Scheduling with Constraint Answer Set Programming			0							141	No
FriedrichFMRSS14 [179]												
GaySS14	Continuous Casting Scheduling with Constraint Programming		real-life, CSPlib	0							142	413
GaySS14 [190]												

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HoundjiSWD14 HoundjiSWD14 [259]	The StockingCost Constraint		bitbucket, generated instance	0							143	453
KoschB14 KoschB14 [289]	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes		benchmark	0							144	470
LipovetzkyBPS14 LipovetzkyBPS14 [326]	Planning for Mining Operations with Time and Resource Constraints		industrial partner, real-life, industry partner, real-world, benchmark, generated instance	0							145	492
LouieVNB14 LouieVNB14 [342]	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities			0							146	No
BonfiettiLM13 BonfiettiLM13 [97]	De-Cycling Cyclic Scheduling Problems			0							147	360
ChuGNSW13 ChuGNSW13 [126]	On the Complexity of Global Scheduling Constraints under Structural Restrictions			0							148	376
CireCH13 CireCH13 [128]	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	CP Opt Cplex		1	dead		n	-			149	378
GuSS13 GuSS13 [218]	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	150	433
HeinzKB13 HeinzKB13 [236]	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling			0							151	441
KelarevaTK13 KelarevaTK13 [277]	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	MiniZinc CPX G12FD SICStus Choco	real-world	5	ref		-	-	LSFRP BPCTOP	alldifferent alldifferentExcept	152	463
LetortCB13 LetortCB13 [317]	A Synchronized Sweep Algorithm for the <i>k</i> -dimensional cumulative Constraint		Roadef, benchmark, random instance	2	PSPlib		-	-	RCPSP	cumulative kDimensionalCum	153	486
LombardiM13 LombardiM13 [338]	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling			0							154	500
OuelletQ13 OuelletQ13 [396]	Time-Table Extended-Edge-Finding for the Cumulative Constraint		benchmark	1							155	527
SchuttFS13 SchuttFS13 [441]	Scheduling Optional Tasks with Explanation		benchmark	1							156	549
SchuttFS13a SchuttFS13a [440]	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Mercury G12	benchmark	5	PSPlib AT BL Pack KSD15D PackD		-	-	RCPSP	cumulative	157	550
TranTDB13 TranTDB13 [496]	Hybrid Queueing Theory and Scheduling Models for Dynamic Environments with Sequence-Dependent Setup Times		real-world	0							158	578
BillautHL12 BillautHL12 [83]	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem		random instance	0							159	352
BonfiettiLBM12 BonfiettiLBM12 [95]	Global Cyclic Cumulative Constraint		benchmark	3							160	359
BonfiettiM12 BonfiettiM12 [99]	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem		industrial instance	0							161	362

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GuSW12 GuSW12 [219]	Maximising the Net Present Value of Large Resource-Constrained Projects		benchmark	2							162	434
HeinzB12 HeinzB12 [235]	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling			0							163	440
IfrimOS12 IfrimOS12 [261]	Properties of Energy-Price Forecasts for Scheduling		real-life	1							164	454
LetortBC12 LetortBC12 [316]	A Scalable Sweep Algorithm for the cumulative Constraint		Roadef, benchmark, random instance	2							165	485
RendlPHPR12 RendlPHPR12 [426]	Hybrid Heuristics for Multimodal Homecare Scheduling		real-world, CSPLib, benchmark	2							166	543
SchuttCSW12 SchuttCSW12 [439]	Maximising the Net Present Value for Resource-Constrained Project Scheduling		benchmark	1							167	548
SerraNM12 SerraNM12 [450]	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach		benchmark, real-world	4							168	555
SimoninAHL12 SimoninAHL12 [458]	Scheduling Scientific Experiments on the Rosetta/Philae Mission	MOST Ilog Scheduler		0	n		n	-		cumulative dataTransfer	169	558
TranB12 TranB12 [493]	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups		benchmark	0							170	576
ZhangLS12 ZhangLS12 [552]	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method			0							171	607
BajestaniB11 BajestaniB11 [31]	Scheduling an Aircraft Repair Shop			0							172	328
BonfiettiLBM11 BonfiettiLBM11 [94]	A Constraint Based Approach to Cyclic RCPSP		generated instance, industrial instance, benchmark	3							173	358
ChapadosJR11 ChapadosJR11 [125]	Retail Store Workforce Scheduling by Expected Operating Income Maximization			0							174	375
ClercPBJ11 ClercPBJ11 [129]	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource		benchmark	1							175	379
EdisO11 EdisO11 [160]	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach			0							176	395
GrimesH11 GrimesH11 [211]	Models and Strategies for Variants of the Job Shop Scheduling Problem		benchmark	1							177	428
HeinzS11 HeinzS11 [238]	Explanations for the Cumulative Constraint: An Experimental Study		benchmark	1							178	442
HermenierDL11 HermenierDL11 [245]	Bin Repacking Scheduling in Virtualized Datacenters			1							179	445
KameugneFSN11 KameugneFSN11 [274]	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints		benchmark	1							180	462
LahimerLH11 LahimerLH11 [311]	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks		benchmark	2							181	483
LombardiBMB11 LombardiBMB11 [332]	Precedence Constraint Posting for Cyclic Scheduling Problems		benchmark, industrial instance, real-life	0							182	497
Vilim11 Vilim11 [515]	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources		benchmark	1							183	590

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
ZibranR11	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach			0							184	611
ZibranR11a	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring			0							185	612
BertholdHLS10	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling			1							186	350
CobanH10	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition			0							187	380
Davenport10	Integrated Maintenance Scheduling for Semiconductor Manufacturing			0							188	385
GrimesH10	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach		benchmark	1							189	427
LombardiM10	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution		real-world, benchmark	1							190	499
MakMS10	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems			0							191	505
SchuttW10	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints		benchmark	1							192	553
SunLYL10	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming			0							193	562
Acuna-AgostMFG09	Constraint Programming and Mixed Integer Linear Programming for Rescheduling Trains under Disrupted Operations		Roadef	1							194	313
AronssonBK09	MILP formulations of cumulative constraints for railway scheduling - A comparative study		real-world, real-life	0							195	322
Baptiste09	Constraint-Based Schedulers, Do They Really Work?			0							196	329
GrimesHM09	Closing the Open Shop: Contradicting Conventional Wisdom		benchmark	0							197	429
Laborie09	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems		real-world, benchmark	2							198	480
LombardiM09	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations		real-world, instance generator	1							199	498
MonetteDH09	Just-In-Time Scheduling with Constraint Programming		benchmark	0							200	513
SchuttFSW09	Why Cumulative Decomposition Is Not as Bad as It Sounds		benchmark, real-world	1							201	551
ThiruvadyBME09	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling			0							202	571
Vilim09	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$			0							203	588
Vilim09a	Max Energy Filtering Algorithm for Discrete Cumulative Resources			1							204	589
BarlattCG08	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems		real-world	1							205	332
BeldiceanuCP08	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles		benchmark	0							206	345
DoomsH08	Gap Reduction Techniques for Online Stochastic Project Scheduling			0							207	393

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
HentenryckM08 HentenryckM08 [244]	The Steel Mill Slab Design Problem Revisited		CSPLib	0							208	444
LauLN08 LauLN08 [313]	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)		benchmark, real-world	0							209	484
MouraSCL08 MouraSCL08 [371]	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network			0							210	515
MouraSCL08a MouraSCL08a [370]	Heuristics and Constraint Programming Hybridizations for a Real Pipeline Planning and Scheduling Problem		real-world, benchmark	0							211	516
PoderB08 PoderB08 [411]	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production			0							212	535
WatsonB08 WatsonB08 [528]	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem		benchmark, real-world	1							213	595
AkkerDH07 AkkerDH07 [503]	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems			0							214	314
BeldiceanuP07 BeldiceanuP07 [71]	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production			0							215	346
DavenportKRSH07 DavenportKRSH07 [140]	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing			0							216	386
GarganiR07 GarganiR07 [184]	An Efficient Model and Strategy for the Steel Mill Slab Design Problem		real-life, CSPLib	0							217	409
HoeveGSL07 HoeveGSL07 [506]	Optimal Multi-Agent Scheduling with Constraint Programming		benchmark	0							218	448
KeriK07 KeriK07 [279]	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method			2							219	464
KovacsB07 KovacsB07 [290]	A Global Constraint for Total Weighted Completion Time		benchmark	0							220	471
KrogtLPHJ07 KrogtLPHJ07 [505]	Scheduling for Cellular Manufacturing		real-world	0							221	477
Limtanyakul07 Limtanyakul07 [324]	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming		real-life	0							222	491
MonetteDD07 MonetteDD07 [365]	A Position-Based Propagator for the Open-Shop Problem		benchmark	0							223	512
NethercoteSBBDT07 NethercoteS-BBDT07 [382]	MiniZinc: Towards a Standard CP Modelling Language		CSPLib, benchmark	1							224	522
RossiTHP07 RossiTHP07 [431]	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost			0							225	546
Beck06 Beck06 [52]	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling		benchmark	0							226	338
BeniniBGM06 BeniniBGM06 [77]	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs		real-life	0							227	349
GomesHS06 GomesHS06 [209]	Constraint Programming for Distributed Planning and Scheduling		real-life	0							228	426
KhemmoudjPB06 KhemmoudjPB06 [281]	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages		real-world	0							229	465

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
KovacsV06 KovacsV06 [296]	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP		industrial partner, benchmark, generated instance	0							230	475
LiuJ06 LiuJ06 [329]	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming			0							231	494
QuSN06 QuSN06 [424]	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices			0							232	541
AbrilSB05 AbrilSB05 [4]	Distributed Constraints for Large-Scale Scheduling Problems			0							233	312
ArtiouchineB05 ArtiouchineB05 [24]	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs		generated instance, random instance	0							234	324
BeckW05 BeckW05 [61]	Proactive Algorithms for Scheduling with Probabilistic Durations			0							235	342
CarchraeBF05 CarchraeBF05 [116]	Methods to Learn Abstract Scheduling Models			0							236	371
ChuX05 ChuX05 [127]	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems			0							237	377
DilkinaDH05 DilkinaDH05 [155]	Extending Systematic Local Search for Job Shop Scheduling Problems			0							238	392
FortinZDF05 FortinZDF05 [177]	Interval Analysis in Scheduling			0							239	403
FrankK05 FrankK05 [178]	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations		benchmark	0							240	404
Geske05 Geske05 [198]	Railway Scheduling with Declarative Constraint Programming		real-life	0							241	419
GodardLN05 GodardLN05 [201]	Randomized Large Neighborhood Search for Cumulative Scheduling		benchmark	0							242	422
HebrardTW05 HebrardTW05 [232]	Computing Super-Schedules			0							243	438
Hooker05a Hooker05a [251]	Planning and Scheduling to Minimize Tardiness			0							244	450
KovacsEKV05 KovacsEKV05 [293]	Proterv-II: An Integrated Production Planning and Scheduling System		real-life	0							245	472
MoffittPP05 MoffittPP05 [363]	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints			0							246	511
QuirogaZH05 QuirogaZH05 [425]	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS			0							247	542
SchuttWS05 SchuttWS05 [449]	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$		benchmark	0							248	554
Vilim05 Vilim05 [512]	Computing Explanations for the Unary Resource Constraint		benchmark	4							249	587
Wolfs05 Wolfs05 [533]	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application		real-world	0							250	599
WuBB05 WuBB05 [535]	Scheduling with Uncertain Start Dates		benchmark	0							251	601
ArtiguesBF04 ArtiguesBF04 [21]	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times		benchmark	0							252	323
BeckW04 BeckW04 [60]	Job Shop Scheduling with Probabilistic Durations			0							253	341
HentenryckM04 HentenryckM04 [243]	Scheduling Abstractions for Local Search		benchmark	0							254	443

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Hooker04 Hooker04 [249]	A Hybrid Method for Planning and Scheduling		random instance	0							255	449
KovacsV04 KovacsV04 [295]	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling		industrial partner, benchmark, real-life	0							256	474
LimRX04 LimRX04 [321]	Solving the Crane Scheduling Problem Using Intelligent Search Schemes		generated instance	0							257	490
MaraveliasG04 MaraveliasG04 [354]	Using MILP and CP for the Scheduling of Batch Chemical Processes			0							258	507
Sadykov04 Sadykov04 [434]	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem			0							259	547
Vilim04 Vilim04 [511]	O(n log n) Filtering Algorithms for Unary Resource Constraint		benchmark	1							260	586
VilimBC04 VilimBC04 [516]	Unary Resource Constraint with Optional Activities		benchmark, real-life	0							261	591
VillaverdeP04 VillaverdeP04 [519]	An Investigation of Scheduling in Distributed Constraint Logic Programming			0							262	No
WolinskiKG04 WolinskiKG04 [534]	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures			0							263	600
BeckPS03 BeckPS03 [58]	Vehicle Routing and Job Shop Scheduling: What's the Difference?		benchmark, real-world	0							264	340
DannaP03 DannaP03 [137]	Structured vs. Unstructured Large Neighborhood Search: A Case Study on Job-Shop Scheduling Problems with Earliness and Tardiness Costs		benchmark	0							265	384
Kumar03 Kumar03 [303]	Incremental Computation of Resource-Envelopes in Producer-Consumer Models			0							266	479
OddiPCC03 OddiPCC03 [394]	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem		benchmark	0							267	526
ValleMGT03 ValleMGT03 [502]	On Selecting and Scheduling Assembly Plans Using Constraint Programming		real-life	0							268	581
Vilim03 Vilim03 [510]	Computing Explanations for Global Scheduling Constraints			0							269	585
Wolf03 Wolf03 [532]	Pruning while Sweeping over Task Intervals		benchmark	0							270	598
Bartak02 Bartak02 [43]	Visopt ShopFloor: On the Edge of Planning and Scheduling		real-life	0							271	333
Bartak02a Bartak02a [42]	Visopt ShopFloor: Going Beyond Traditional Scheduling		benchmark, real-life	0							272	334
BeldiceanuC02 BeldiceanuC02 [68]	A New Multi-resource cumulatives Constraint with Negative Heights		real-life, random instance, benchmark	0							273	344
ElkhyariGJ02 ElkhyariGJ02 [162]	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems			0							274	397
ElkhyariGJ02a ElkhyariGJ02a [163]	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools		benchmark, real-life	0							275	398
HookerY02 HookerY02 [258]	A Relaxation of the Cumulative Constraint			0							276	452
KamarainenS02 KamarainenS02 [270]	Local Probing Applied to Scheduling		real-world, benchmark	2							277	459
Muscettola02 Muscettola02 [375]	Computing the Envelope for Stepwise-Constant Resource Allocations			0							278	519
Vilim02 Vilim02 [509]	Batch Processing with Sequence Dependent Setup Times			0							279	584

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ZhuS02 ZhuS02 [556]	A Meeting Scheduling System Based on Open Constraint Programming			0							280	610
Thorsteinsson01 Thorsteinsson01 [485]	Branch-and-Check: A Hybrid Framework Integrating Mixed Integer Programming and Constraint Logic Programming			0							281	572
VanczaM01 VanczaM01 [507]	A Constraint Engine for Manufacturing Process Planning		real-life, real-world	0							282	582
VerfaillieL01 VerfaillieL01 [508]	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View			0							283	583
AngelsmarkJ00 AngelsmarkJ00 [13]	Some Observations on Durations, Scheduling and Allen's Algebra			0							284	316
FocacciLN00 FocacciLN00 [175]	Solving Scheduling Problems with Setup Times and Alternative Resources		real-world	0							285	401
KorbaaYG99 KorbaaYG99 [287]	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming			0							286	469
CestaOS98 CestaOS98 [124]	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints			0							287	374
FrostD98 FrostD98 [182]	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units			0							288	407
GruianK98 GruianK98 [217]	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming		benchmark	0							289	432
PembertonG98 PembertonG98 [406]	A constraint-based approach to satellite scheduling			0							290	532
RodosekW98 RodosekW98 [428]	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems		benchmark	0							291	545
Shaw98 Shaw98 [452]	Using Constraint Programming and Local Search Methods to Solve Vehicle Routing Problems		benchmark	0							292	556
BaptisteP97 BaptisteP97 [37]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems		benchmark	0							293	331
BeckDF97 BeckDF97 [54]	Five Pitfalls of Empirical Scheduling Research		benchmark, real-world	0							294	339
BoucherBVBL97 BoucherBVBL97 [103]	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem			0							295	No
Caseau97 Caseau97 [120]	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel		benchmark	0							296	372
PapeB97 PapeB97 [403]	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling			0							297	No
BrusoniCLMMT96 BrusoniCLMMT96 [110]	Resource-Based vs. Task-Based Approaches for Scheduling Problems			0							298	367
Colombani96 Colombani96 [135]	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem			0							299	383
Zhou96 Zhou96 [553]	A Constraint Program for Solving the Job-Shop Problem			0							300	608
Goltz95 Goltz95 [208]	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling		benchmark	0							301	425
Puget95 Puget95 [421]	Applications of Constraint Programming		benchmark	0							302	540
Simonis95 Simonis95 [460]	The CHIP System and Its Applications			0							303	559

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
SimonisC95 SimonisC95 [462]	Modelling Producer/Consumer Constraints		real-life	0							304	560
Touraivane95 Touraivane95 [491]	Constraint Programming and Industrial Applications		real-life	0							305	575
JourdanFRD94 JourdanFRD94 [266]	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming			0							306	No
NuijtenA94 NuijtenA94 [392]	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling			0							307	525
Wallace94 Wallace94 [521]	Applying Constraints for Scheduling			0							308	No
BaptisteLV92 BaptisteLV92 [40]	Hoist scheduling problem: an approach based on constraint logic programming			0							309	330
ErtlK91 ErtlK91 [164]	Optimal Instruction Scheduling using Constraint Logic Programming		real-world, benchmark	0							310	399

3 Journal Articles

3.1 Articles from bibtex

Table 5: Works from bibtex (Total 227)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
PrataAN23	PrataAN23	Bruno A. Prata, Levi R. Abreu, Marcelo S. Nagano	Yes	[420]	2024	Results in Control and Optimization	17	0	0	1286	1346
abs-2402-00459	S. Nguyen, Dhananjay R. Thiruvady, Y. Sun, M. Zhang	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	Yes	[383]	2024	CoRR	21	0	0	1345	1347
abs-2402-00459	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	[143]	2023	Int. J. Prod. Res.	20	1	47	1153	1348
AbreuPNF23	AbreuPNF23	Levi R. Abreu, Bruno A. Prata, Marcelo S. Nagano, Jose M. Framinan	No	[3]	2023	Computers Operations Research	1	0	46	No	1349
AkramNHSA23	AkramNHSA23	Bilal Omar Akram, Nor Kamariah Noordin, F. Hashim, Mohd Fadlee A. Rasid, Mustafa Ismael Salman, Abdulrahman M. Abdulghani	Yes	[9]	2023	IEEE Access	16	0	0	1155	1350
AlfieriGPS23	AlfieriGPS23	A. Alfieri, M. Garraffa, E. Pastore, F. Salassa	Yes	[11]	2023	Computers and Industrial Engineering	13	0	37	1156	1351
Caballero23	Caballero23	Jordi Coll Caballero	Yes	[112]	2023	Constraints An Int. J.	1	0	0	1190	1352
CzerniachowskaWZ23	CzerniachowskaWZ23	C. Kateryna, W. Radosław, Żywicki, Krzysztof	Yes	[136]	2023	Advances in Science and Technology Research Journal	14	0	0	1196	1353
GurPAE23	GurPAE23	S. Gür, M. Pinarbasi, Haci Mehmet Alakas, T. Eren	Yes	[220]	2023	Central Eur. J. Oper. Res.	25	1	40	1217	1354
IsikYA23	IsikYA23	Eyüp Ensar Isik, Seyda Topaloglu Yildiz, Özge Satir Akpunar	Yes	[262]	2023	Soft Comput.	28	0	127	1232	1355
LacknerMMWW23	LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Yes	[310]	2023	Constraints An Int. J.	42	0	32	1246	1356
MontemanniD23	MontemanniD23	R. Montemanni, M. Dell'Amico	Yes	[368]	2023	Algorithms	13	2	18	1264	1357
MontemanniD23a	MontemanniD23a	R. Montemanni, M. Dell'Amico	Yes	[367]	2023	EURO J. Comput. Optim.	20	0	14	1265	1358
NaderiRR23	NaderiRR23	N. Bahman, R. Rubén, R. Vahid	Yes	[378]	2023	INFORMS Journal on Computing	27	2	50	1268	1359
ShaikhK23	ShaikhK23	Aftab Ahmed Shaikh, Abdullah Ayub Khan	Yes	[451]	2023	Int. J. Electron. Secur. Digit. Forensics	12	0	0	1299	1360
YuraszeckMCCR23	YuraszeckMCCR23	F. Yuraszeck, E. Montero, D. Canut-de-Bon, N. Cuneo, M. Rojel	Yes	[543]	2023	IEEE Access	11	0	0	1324	1361
abs-2305-19888	abs-2305-19888	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek	Yes	[241]	2023	CoRR	42	0	0	1342	1362
abs-2306-05747	abs-2306-05747	P. Tassel, M. Gebser, K. Schekotihin	Yes	[476]	2023	CoRR	9	0	0	1343	1363
abs-2312-13682	abs-2312-13682	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	Yes	[408]	2023	CoRR	20	0	0	1344	1364

Table 5: Works from bibtex (Total 227)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c	
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	[142]	2022	Comput. Ind. Eng.	20	10	56	1152	1365
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	[105]	2022	Int. J. Prod. Res.	19	4	44	1188	1366
CampeauG22	CampeauG22	L. Campeau, M. Gamache	Short- and medium-term optimization of underground mine planning using constraint programming	Yes	[113]	2022	Constraints An Int. J.	18	0	22	1191	1367
ColT22	ColT22	Giacomo Da Col, Erich Christian Teppan	Industrial-size job shop scheduling with constraint programming	Yes	[134]	2022	Operations Research Perspectives	19	0	0	1195	1368
FarsiTM22	FarsiTM22	A. Farsi, S. Ali Torabi, M. Mokhtarzadeh	Integrated surgery scheduling by constraint programming and meta-heuristics	Yes	[172]	2022	International Journal of Management Science and Engineering Management	14	0	0	1207	1369
Fatemi-AnarakiMFN22	Fatemi-AnarakiMFN22	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	[173]	2022	Omega	null	0	0	No	1370
FetgoD22	FetgoD22	S��verine Betmbe Fetgo, Cl��mentin Tayou Djam��gni	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited	Yes	[174]	2022	Oper. Res. Forum	32	0	20	1208	1371
HeinzNVH22	HeinzNVH22	V. Heinz, A. Nov��k, M. Vlk, Z. Hanz��lek	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers	Yes	[240]	2022	Comput. Ind. Eng.	16	5	25	1223	1372
MullerMKP22	MullerMKP22	D. M��ller, Marcus Gerhard M��ller, D. Kress, E. Pesch	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning	Yes	[372]	2022	Eur. J. Oper. Res.	18	17	59	1266	1373
NaderiBZ22	NaderiBZ22	B. Naderi, Mehmet A. Begen, G. Zhang	Integrated Order Acceptance and Resource Decisions Under Uncertainty: Robust and Stochastic Approaches	Yes	[377]	2022	SSRN Electronic Journal	29	0	44	1267	1374
PohlAK22	PohlAK22	M. Pohl, C. Artigues, R. Kolisch	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach	Yes	[413]	2022	Eur. J. Oper. Res.	16	4	31	1283	1375
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	[453]	2022	Int. J. Prod. Res.	18	2	45	No	1376
SubulanC22	SubulanC22	K. Subulan, G. ��akir	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem	Yes	[465]	2022	Soft Comput.	38	5	86	1305	1377
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	[540]	2022	Int. J. Prod. Res.	18	20	58	1323	1378
YuraszeckMPV22	YuraszeckMPV22	F. Yuraszeck, G. Mej��a, J. Pereira, M. Vil��	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem	Yes	[542]	2022	Mathematics	26	0	0	1325	1379
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	[466]	2022	CoRR	17	0	0	1341	1380
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	1150	1381
AbreuAPNM21	AbreuAPNM21	Levi Ribeiro de Abreu, Kennedy A. G. Ara��jo, Bruno de Athayde Prata, Marcelo Seido Nagano, J. V. Moccellin	A new variable neighbourhood search with a constraint programming search strategy for the open shop scheduling problem with operation repetitions	Yes	[141]	2021	Engineering Optimization	21	0	0	1151	1382

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Bedhief21 Bedhief21	Asma Ouled Bedhief	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines	Yes	[63]	2021	Journal Européen des Systèmes Automatisés	7	0	0	1173	1383
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	[171]	2021	Comput. Oper. Res.	15	18	57	1206	1384
HamPK21 HamPK21	A. Ham, M. Park, Kyung Min Kim	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming	Yes	[223]	2021	Mathematical Problems in Engineering	12	0	0	1220	1385
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	[260]	2021	J. Sched.	22	0	37	1231	1386
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	[285]	2021	Constraints An Int. J.	51	2	52	1237	1387
PandeyS21a PandeyS21a	V. Pandey, P. Saini	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization	Yes	[401]	2021	J. Supercomput.	29	3	32	1280	1388
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	[422]	2021	IEEE Trans Autom. Sci. Eng.	12	12	30	1288	1389
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[520]	2021	Comput. Ind. Eng.	14	7	22	1317	1390
ZhangYW21 ZhangYW21	L. Zhang, C. Yu, T. N. Wong	A graph-based constraint programming approach for the integrated process planning and scheduling problem	Yes	[550]	2021	Comput. Oper. Res.	10	6	35	1331	1391
abs-2102-08778 abs-2102-08778	Giacomo Da Col, E. Teppan	Large-Scale Benchmarks for the Job Shop Scheduling Problem	Yes	[132]	2021	CoRR	10	0	0	1340	1392
AlizdehS20 AlizdehS20	S. Alizdeh, S. Saeidi	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming	No	[12]	2020	Int. J. Adv. Intell. Paradigms	14	1	0	No	1393
AstrandJZ20 AstrandJZ20	M. Åstrand, M. Johansson, A. Zanarini	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search	Yes	[28]	2020	Comput. Oper. Res.	13	16	24	1158	1394
BadicaBI20 BadicaBI20	A. Badica, C. Badica, M. Ivanovic	Block structured scheduling using constraint logic programming	Yes	[29]	2020	AI Commun.	17	2	28	1159	1395
BenediktMH20 BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	Yes	[75]	2020	Constraints An Int. J.	19	1	18	1179	1396
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	[123]	2020	Journal of Scheduling	19	2	21	1193	1397
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	[170]	2020	International Journal of Applied Management Science	18	0	0	1205	1398
LunardiBLRV20 LunardiBLRV20	William T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem	Yes	[343]	2020	Comput. Oper. Res.	20	30	18	1257	1399
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	[358]	2020	Eur. J. Oper. Res.	13	24	45	1261	1400
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	[360]	2020	Comput. Ind. Eng.	13	100	62	1262	1401

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[364]	2020	Int. J. Comput. Integr. Manuf.	14	25	32	1263	1402
Polo-MejiaALB20 Polo-MejiaALB20	O. Polo-Mejia, C. Artigues, P. Lopez, V. Basini	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility	Yes	[414]	2020	Int. J. Prod. Res.	18	8	23	1284	1403
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	[423]	2020	Eur. J. Oper. Res.	18	27	30	1287	1404
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	[433]	2020	Oper. Res. Forum	33	2	38	1292	1405
WallaceY20 WallaceY20	M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem	Yes	[523]	2020	Constraints An Int. J.	19	5	18	1319	1406
ZarandiASC20 ZarandiASC20	Mohammad Hossein Fazel Zarandi, Ali Akbar Sadat Asl, S. Sotudian, O. Castillo	A state of the art review of intelligent scheduling	Yes	[545]	2020	Artif. Intell. Rev.	93	55	445	1326	1407
ZouZ20 ZouZ20	X. Zou, L. Zhang	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic	Yes	[559]	2020	Automation in Construction	10	0	0	1333	1408
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	[165]	2019	Comput. Chem. Eng.	10	17	18	1201	1409
GurEA19 GurEA19	Şeyda Gür, T. Eren, Hacı Mehmet Alakaş	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study	Yes	[560]	2019	Mathematics	24	0	0	1216	1410
NishikawaSTT19 NishikawaSTT19	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	A Constraint Programming Approach to Scheduling of Malleable Tasks	Yes	[386]	2019	Int. J. Netw. Comput.	16	0	0	1271	1411
Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[388]	2019	Comput. Ind. Eng.	13	30	29	1273	1412
WariZ19 WariZ19	E. Wari, W. Zhu	A Constraint Programming model for food processing industry: a case for an ice cream processing facility	No	[527]	2019	International Journal of Production Research	null	11	42	No	1413
WikarekS19 WikarekS19	J. Wikarek, P. Sitek	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems	Yes	[530]	2019	Vietnam. J. Comput. Sci.	22	0	11	1321	1414
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	[538]	2019	Operations research for health care	11	0	0	1322	1415
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	[66]	2019	CoRR	8	0	0	1336	1416
abs-1902-01193 abs-1902-01193	O. M. Alade, A. O. Amusat	Solving Nurse Scheduling Problem Using Constraint Programming Technique	Yes	[10]	2019	CoRR	9	0	0	1337	1417
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	[228]	2019	CoRR	62	0	0	1338	1418
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	[193]	2019	CoRR	16	0	0	1339	1419
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[35]	2018	Discret. Math.	10	3	13	1162	1420
BorghesiBLMB18 BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[102]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1187	1421

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
CauwelaertLS18 CauwelaertLS18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[122]	2018	Constraints An Int. J.	36	2	39	1194	1422
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	[168]	2018	Constraints An Int. J.	22	2	20	1203	1423
GedikKEK18 GedikKEK18	R. Gedik, D. Kalathia, G. Egilmez, E. Kirac	A constraint programming approach for solving unrelated parallel machine scheduling problem	Yes	[191]	2018	Comput. Ind. Eng.	11	43	22	1211	1424
GokgurHO18 GokgurHO18	B. Gökgür, B. Hnich, S. Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	Yes	[205]	2018	Int. J. Prod. Res.	17	31	43	1213	1425
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[207]	2018	J. Artif. Intell. Res.	32	8	0	1214	1426
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	[222]	2018	Transportation Research Part C: Emerging Technologies	14	0	0	1219	1427
HookerH18 HookerH18	John N. Hooker, Willem Jan van Hoeve	Constraint programming and operations research	Yes	[257]	2018	Constraints An Int. J.	24	12	189	1229	1428
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	No	[300]	2018	Eur. J. Oper. Res.	15	25	31	No	1429
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	[308]	2018	Constraints An Int. J.	41	148	35	1245	1430
PourDERB18 PourDERB18	Shahzad 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	[416]	2018	Eur. J. Oper. Res.	12	41	13	1285	1431
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	[454]	2018	IEEE Trans. Syst. Man Cybern. Syst.	16	9	31	1300	1432
TangLWSK18 TangLWSK18	Y. Tang, R. Liu, F. Wang, Q. Sun, Amr A. Kandil	Scheduling Optimization of Linear Schedule with Constraint Programming	Yes	[473]	2018	Comput. Aided Civ. Infrastructure Eng.	28	24	76	1307	1433
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	[495]	2018	J. Sched.	17	8	26	1312	1434
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	[551]	2018	IEEE Trans. Engineering Management	18	49	28	1330	1435
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[299]	2017	Constraints An Int. J.	31	15	20	1242	1436
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[380]	2017	Constraints An Int. J.	18	5	10	1270	1437
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	[497]	2017	J. Artif. Intell. Res.	68	12	0	1313	1438
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	No	[88]	2016	Manag. Sci.	26	20	36	No	1439
Bonfietti16 Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	Yes	[93]	2016	Intelligenza Artificiale	13	0	19	1185	1440
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[107]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1189	1441

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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	[159]	2016	INFORMS J. Comput.	17	56	28	1200	1442
HamC16 HamC16	Andy M. Ham, E. Cakici	Flexible job shop scheduling problem with parallel batch processing machines: MIP and CP approaches	No	[224]	2016	Computers Industrial Engineering	null	50	26	No	1443
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	[231]	2016	Discret. Appl. Math.	10	9	8	1221	1444
KuB16 KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	No	[301]	2016	Comput. Oper. Res.	9	119	17	No	1445
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	[387]	2016	Comput. Chem. Eng.	17	18	31	1272	1446
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	No	[492]	2016	INFORMS J. Comput.	13	72	28	No	1447
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	[544]	2016	J. Intell. Manuf.	17	28	14	1327	1448
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	[33]	2015	J. Sched.	16	17	59	1161	1449
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[167]	2015	CoRR	16	0	0	1202	1450
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	[204]	2015	Eur. J. Oper. Res.	12	48	4	1212	1451
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	No	[212]	2015	INFORMS J. Comput.	17	12	41	No	1452
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[271]	2015	Constraints An Int. J.	2	0	0	1233	1453
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[318]	2015	Constraints An Int. J.	52	2	14	1248	1454
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[379]	2015	Constraints An Int. J.	21	14	13	1269	1455
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[455]	2015	Constraints An Int. J.	2	4	0	1301	1456
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[459]	2015	Constraints An Int. J.	23	4	5	1302	1457
WangMD15 WangMD15	T. Wang, N. Meskens, D. Duvivier	Scheduling operating theatres: Mixed integer programming vs. constraint programming	Yes	[526]	2015	Eur. J. Oper. Res.	13	36	33	1320	1458
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	No	[87]	2014	INFORMS J. Comput.	19	15	47	No	1459
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[96]	2014	Artif. Intell.	28	8	15	1186	1460
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[214]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1215	1461
KameugneFSN14 KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[275]	2014	Constraints An Int. J.	27	6	10	1234	1462
Novash14 Novash14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[391]	2014	Expert Syst. Appl.	14	35	26	1276	1463
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[480]	2014	J. Artif. Intell. Res.	38	12	0	1308	1464
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	[484]	2014	J. Heuristics	34	19	18	1309	1465

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BajestaniB13 BajestaniB13	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources	Yes	[32]	2013	J. Artif. Intell. Res.	36	14	0	1160	1466
BegB13 BegB13	Mirza Omer Beg, Peter van Beek	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures	Yes	[64]	2013	ACM Trans. Em- bed. Comput. Syst.	23	1	28	1174	1467
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[239]	2013	Constraints An Int. J.	36	7	31	1224	1468
OzturkTHO13 OzturkTHO13	C. Öztürk, S. Tunali, B. Hnich, M. Arslan Ornek	Balancing and scheduling of flexible mixed model assembly lines	Yes	[400]	2013	Constraints An Int. J.	36	31	44	1279	1469
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[445]	2013	J. Sched.	17	43	23	1298	1470
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[237]	2012	Constraints An Int. J.	12	10	9	1225	1471
LimtanyakulS12 LimtanyakulS12	K. Limtanyakul, U. Schwiegelshohn	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Yes	[325]	2012	Constraints An Int. J.	32	4	16	1250	1472
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[337]	2012	Constraints An Int. J.	35	39	68	1252	1473
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[336]	2012	Artif. Intell.	10	3	13	1253	1474
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	[390]	2012	Comput. Chem. Eng.	17	17	15	1275	1475
TerekhovDOB12 TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	No	[479]	2012	Comput. Ind. Eng.	15	8	48	No	1476
BandaSC11 BandaSC11	Maria García de la Banda, Peter J. Stuckey, G. Chu	Solving Talent Scheduling with Dynamic Programming	No	[144]	2011	INFORMS J. Com- put.	18	24	17	No	1477
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[46]	2011	Constraints An Int. J.	5	17	3	1165	1478
BeckFW11 BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	Yes	[55]	2011	INFORMS J. Com- put.	14	43	23	1170	1479
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demasse, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[69]	2011	Ann. Oper. Res.	24	8	8	1176	1480
BeniniLMR11 BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[78]	2011	Ann. Oper. Res.	27	18	16	1180	1481
HachemiGR11 HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[221]	2011	Ann. Oper. Res.	16	32	19	1218	1482
HeckmanB11 HeckmanB11	I. Heckman, J. Christopher Beck	Understanding the behavior of Solution-Guided Search for job-shop scheduling	Yes	[234]	2011	J. Sched.	20	0	22	1222	1483
KelbelH11 KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[278]	2011	J. Intell. Manuf.	10	12	14	1235	1484
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[292]	2011	Constraints An Int. J.	24	4	26	1240	1485
KovacsK11 KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[294]	2011	Constraints An Int. J.	24	3	24	1241	1486
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	[437]	2011	Constraints An Int. J.	23	14	5	1295	1487
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[444]	2011	Constraints An Int. J.	33	57	23	1297	1488
TopalogluO11 TopalogluO11	S. Topaloglu, I. Ozkarahan	A constraint programming-based solution approach for medical resident scheduling problems	Yes	[488]	2011	Comput. Oper. Res.	10	46	24	1311	1489
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	[500]	2011	Comput. Ind. Eng.	7	11	17	1314	1490

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BartakCS10 BartakCS10	R. Barták, O. Cepek, P. Surynek	Discovering implied constraints in precedence graphs with alternatives	Yes	[45]	2010	Ann. Oper. Res.	31	2	9	1164	1491
BartakSR10 BartakSR10	R. Barták, Miguel A. Salido, F. Rossi	New trends in constraint satisfaction, planning, and scheduling: a survey	Yes	[47]	2010	Knowl. Eng. Rev.	31	28	47	1166	1492
HartmannB10 HartmannB10	S. Hartmann, D. Briskorn	A survey of variants and extensions of the resource-constrained project scheduling problem	No	[227]	2010	European Journal of Operational Research	null	577	177	No	1493
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[334]	2010	Artif. Intell.	30	8	24	1251	1494
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	[339]	2010	Constraints An Int. J.	39	31	18	1254	1495
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[389]	2010	Comput. Chem. Eng.	20	48	19	1274	1496
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	[547]	2010	Eng. Appl. Artif. Intell.	20	33	28	1329	1497
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	[443]	2010	CoRR	37	0	0	1335	1498
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[82]	2009	J. Sched.	30	58	20	1182	1499
BocewiczBB09 BocewiczBB09	G. Bocewicz, I. Bach, Zbigniew Antoni Banaszak	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling	Yes	[89]	2009	Int. J. Intell. Inf. Database Syst.	19	0	0	1184	1500
GarridoAO09 GarridoAO09	A. Garrido, M. Arangú, E. Onaindia	A constraint programming formulation for planning: from plan scheduling to plan generation	Yes	[185]	2009	J. Sched.	30	5	14	1209	1501
Jans09 Jans09	Jans, Raf	Solving Lot-Sizing Problems on Parallel Identical Machines Using Symmetry-Breaking Constraints	No	[264]	2009	INFORMS Journal on Computing	null	59	73	No	1502
OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[395]	2009	Constraints	35	127	15	1278	1503
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	[432]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	9	27	1291	1504
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	No	[536]	2009	Comput. Oper. Res.	9	42	5	No	1505
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[410]	2009	CoRR	12	0	0	1334	1506
GarridoOS08 GarridoOS08	A. Garrido, E. Onaindia, Óscar Sapena	Planning and scheduling in an e-learning environment. A constraint-programming-based approach	Yes	[186]	2008	Eng. Appl. Artif. Intell.	11	22	7	1210	1507
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[291]	2008	Eng. Appl. Artif. Intell.	7	5	14	1239	1508
LiessM08 LiessM08	O. Liess, P. Michelon	A constraint programming approach for the resource-constrained project scheduling problem	Yes	[320]	2008	Ann. Oper. Res.	12	22	14	1249	1509
MalikMB08 MalikMB08	Abid M. Malik, J. McInnes, Peter van Beek	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming	Yes	[353]	2008	Int. J. Artif. Intell. Tools	18	15	8	1258	1510
MercierH08 MercierH08	L. Mercier, Pascal Van Hentenryck	Edge Finding for Cumulative Scheduling	No	[361]	2008	INFORMS Journal on Computing	null	32	5	No	1511
Beck07 Beck07	J. Christopher Beck	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling	Yes	[53]	2007	J. Artif. Intell. Res.	29	34	0	1167	1512
BeckW07 BeckW07	J. Christopher Beck, N. Wilson	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations	Yes	[62]	2007	J. Artif. Intell. Res.	50	27	0	1172	1513
Hooker07 Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	No	[253]	2007	Operations Re-search	null	181	19	No	1514

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Rodriguez07 Rodriguez07	J. Rodriguez	A constraint programming model for real-time train scheduling at junctions	Yes	[430]	2007	Transportation Research Part B: Methodological	15	117	6	1289	1515
Simonis07 Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[461]	2007	Constraints An Int. J.	30	10	17	1303	1516
Hooker06 Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[252]	2006	Constraints An Int. J.	19	19	13	1228	1517
KhayatLR06 KhayatLR06	Ghada El Khayat, A. Langevin, D. Riopel	Integrated production and material handling scheduling using mathematical programming and constraint programming	Yes	[280]	2006	Eur. J. Oper. Res.	15	84	14	1236	1518
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	[435]	2006	INFORMS J. Comput.	9	45	6	1293	1519
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	[468]	2006	Int. J. Parallel Emergent Distributed Syst.	19	12	23	1306	1520
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[250]	2005	Constraints An Int. J.	17	68	11	1227	1521
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	[517]	2005	Constraints An Int. J.	23	21	5	1316	1522
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[546]	2005	Inteligencia Artif.	10	0	0	1328	1523
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	[412]	2004	Eur. J. Oper. Res.	16	7	8	1282	1524
BeckR03 BeckR03	J. Christopher Beck, P. Refalo	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs	Yes	[59]	2003	Ann. Oper. Res.	23	29	0	1171	1525
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[256]	2003	Mathematical Programming	28	317	0	1230	1526
KuchcinskiW03 KuchcinskiW03	K. Kuchcinski, C. Wolinski	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming	Yes	[302]	2003	J. Syst. Archit.	15	19	18	1243	1527
Laborie03 Laborie03	P. Laborie	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results	Yes	[305]	2003	Artificial Intelligence	38	128	10	1244	1528
Tsang03 Tsang03	Edward P. K. Tsang	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems	Yes	[501]	2003	J. Sched.	2	1	0	1315	1529
HarjunkoskiG02 HarjunkoskiG02	I. Harjunkoski, Ignacio E. Grossmann	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods	No	[226]	2002	Computers Chemical Engineering	null	169	11	No	1530
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	[341]	2002	J. Oper. Res. Soc.	8	22	0	1256	1531
RodriguezDG02 RodriguezDG02	J. Rodriguez, X. Delorme, X. Gandibleux	Railway infrastructure saturation using constraint programming approach	Yes	[429]	2002	Computers in Railways VIII	10	0	0	1290	1532
Timpe02 Timpe02	C. Timpe	Solving planning and scheduling problems with combined integer and constraint programming	Yes	[486]	2002	OR Spectr.	18	42	0	1310	1533
JainG01 JainG01	V. Jain, Ignacio E. Grossmann	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems	No	[263]	2001	INFORMS Journal on Computing	null	279	23	No	1534
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	[355]	2001	Ann. Oper. Res.	17	11	0	1259	1535

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Mason01 Mason01	Andrew J. Mason	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling	Yes	[356]	2001	Ann. Oper. Res.	38	5	0	1260	1536
ArtiguesR00 ArtiguesR00	C. Artigues, F. Roubellat	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes	Yes	[23]	2000	Eur. J. Oper. Res.	20	84	3	1157	1537
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[38]	2000	Constraints An Int. J.	21	46	0	1163	1538
BeckF00 BeckF00	J. Christopher Beck, Mark S. Fox	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics	Yes	[57]	2000	Artif. Intell.	51	24	19	1168	1539
HeipckeCCS00 HeipckeCCS00	S. Heipcke, Y. Colombani, Cristina C. B. Cavalcante, Cid C. de Souza	Scheduling under Labour Resource Constraints	Yes	[242]	2000	Constraints An Int. J.	8	5	0	1226	1540
KorbaaYG00 KorbaaYG00	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming	Yes	[288]	2000	Eur. J. Control	10	7	4	1238	1541
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	[340]	2000	Eur. J. Control	4	0	0	1255	1542
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[436]	2000	Constraints An Int. J.	30	73	0	1294	1543
SchildW00 SchildW00	K. Schild, J. Würtz	Scheduling of Time-Triggered Real-Time Systems	Yes	[438]	2000	Constraints An Int. J.	23	23	0	1296	1544
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[463]	2000	INFORMS J. Comput.	12	7	14	1304	1545
TorresL00 TorresL00	P. Torres, P. Lopez	On Not-First/Not-Last conditions in disjunctive scheduling	No	[489]	2000	European Journal of Operational Research	null	26	13	No	1546
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	Yes	[79]	1999	Constraints An Int. J.	7	99	0	1181	1547
BruckerDMNP99 BruckerDMNP99	P. Brucker, A. Drexler, R. Möhring, K. Neumann, E. Pesch	Resource-constrained project scheduling: Notation, classification, models, and methods	No	[109]	1999	European Journal of Operational Research	null	990	137	No	1548
BeckF98 BeckF98	J. Christopher Beck, Mark S. Fox	A Generic Framework for Constraint-Directed Search and Scheduling	Yes	[56]	1998	AI Mag.	30	0	0	1169	1549
BelhadjiI98 BelhadjiI98	S. Belhadji, A. Isli	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	Yes	[72]	1998	Constraints An Int. J.	9	3	0	1177	1550
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[393]	1998	J. Heuristics	16	42	0	1277	1551
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[404]	1998	Constraints An Int. J.	25	14	0	1281	1552
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	[138]	1997	Constraints An Int. J.	20	28	5	1197	1553
FalaschiGMP97 FalaschiGMP97	M. Falaschi, M. Gabbriellini, K. Marriott, C. Palamidessi	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators	Yes	[169]	1997	Inf. Comput.	27	10	9	1204	1554
KolischS97 KolischS97	R. Kolisch, A. Sprecher	PSPLIB - A project scheduling problem library	No	[286]	1997	European Journal of Operational Research	null	840	18	No	1555
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[312]	1997	Artif. Intell. Eng.	15	11	7	1247	1556
Zhou97 Zhou97	J. Zhou	A Permutation-Based Approach for Solving the Job-Shop Problem	Yes	[554]	1997	Constraints An Int. J.	29	14	0	1332	1557
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[522]	1996	Constraints An Int. J.	30	87	55	1318	1558

Table 5: Works from bibtex (Total 227)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BeldiceanuC94 BeldiceanuC94	N. Beldiceanu, E. Contejean	Introducing Global Constraints in CHIP	Yes	[67]	1994	Mathematical and Computer Mod- elling	27	167	8	1175	1559
CarlierP94 CarlierP94	J. Carlier, E. Pinson	Adjustment of heads and tails for the job-shop problem	No	[119]	1994	European Jour- nal of Operational Research	null	151	10	No	1560
Pape94 Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	No	[402]	1994	Intelligent Systems Engineering	1	98	0	No	1561
AggounB93 AggounB93	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	Yes	[7]	1993	Mathematical and Computer Mod- elling	17	187	11	1154	1562
Taillard93 Taillard93	E. Taillard	Benchmarks for basic scheduling problems	No	[471]	1993	European Jour- nal of Operational Research	null	1568	6	No	1563
Tay92 Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	No	[477]	1992	Comput. J.	null	0	0	No	1564
ApplegateC91 ApplegateC91	D. Applegate, W. Cook	A Computational Study of the Job-Shop Scheduling Problem	No	[16]	1991	ORSA Journal on Computing	null	536	0	No	1565
DechterMP91 DechterMP91	R. Dechter, I. Meiri, J. Pearl	Temporal constraint networks	Yes	[145]	1991	Artificial Intelli- gence	35	879	28	1198	1566
CarlierP90 CarlierP90	J. Carlier, E. Pinson	A practical use of Jackson's preemptive schedule for solving the job shop problem	Yes	[118]	1990	Annals of Opera- tions Research	19	112	11	1192	1567
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[156]	1990	J. Log. Program.	19	86	9	1199	1568
CarlierP89 CarlierP89	J. Carlier, E. Pinson	An Algorithm for Solving the Job-Shop Problem	No	[117]	1989	Management Sci- ence	null	516	0	No	1569
AdamsBZ88 AdamsBZ88	J. Adams, E. Balas, D. Zawack	The Shifting Bottleneck Procedure for Job Shop Scheduling	No	[6]	1988	Management Sci- ence	null	1054	0	No	1570
BlazewiczLK83 BlazewiczLK83	J. Blazewicz, Jan Karel Lenstra, A. H. G. Rinnooy Kan	Scheduling subject to resource constraints: classification and complexity	Yes	[86]	1983	Discret. Appl. Math.	14	947	6	1183	1571
Benders62 Benders62	Jacques F. Benders	Partitioning procedures for solving mixed-variables programming problems	Yes	[74]	1962	Numerische Mathe- matik	15	2583	6	1178	1572

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		958	1381
AbreuAPNM21 [141]	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		959	1382
AbreuN22 [142]	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		942	1365
AbreuNP23 [143]	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	925	1348
AggounB93 [7]	17	task, machine, precedence, order, job, activity, due-date, job-shop, flow-shop, resource, scheduling		circuit, bin-packing, dis-junctive, cumulative	Prolog	OPL, CHIP	perfect-square, rectangle-packing		real-world		1139	1562
AkramNHRSA23 [9]	16	resource, completion-time, preempt, scheduling, order, machine, task, distributed		cycle, bin-packing	Python	OR-Tools	medical, agriculture		benchmark		927	1350
AlfieriGPS23 [11]	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		928	1351
ArtiguesR00 [23]	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					1114	1537

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
AstrandJZ20 [28]	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		971	1394
BadicaBI20 [29]	17	machine, activity, make-span, manpower, completion-time, resource, precedence, scheduling, distributed, task, order	psplib	bin-packing, cycle	Prolog	Gecode, ECLiPSe			real-world, benchmark		972	1395
BajestaniB13 [32]	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				1043	1466
BajestaniB15 [33]	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		1026	1449
BaptisteB18 [35]	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	997	1420
BaptisteP00 [38]	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	1115	1538
BartakCS10 [45]	31	resource, setup-time, task, job-shop, scheduling, machine, activity, flow-shop, order, job, precedence	RCPSP	disjunctive	Prolog	SICStus			benchmark, real-life, real-world		1068	1491
BartakS11 [46]	5	distributed, resource, scheduling, task, multi-agent, order		cumulative		OPL			random instance, real-world, real-life		1055	1478
BartakSR10 [47]	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	1069	1492
Beck07 [53]	29	flow-shop, order, scheduling, precedence, make-span, machine, resource, job, job-shop, tardiness, activity		disjunctive		Ilog Scheduler			benchmark		1089	1512

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BeckF00 [57]	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	1116	1539
BeckF98 [56]	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	1126	1549
BeckFW11 [55]	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		1056	1479
BeckR03 [59]	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	1102	1525
BeckW07 [62]	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	1090	1513
Bedhief21 [63]	7	setup-time, preempt, no preempt, sequence dependent setup, due-date, transportation, flow-shop, scheduling, make-span, completion-time, machine, job, order, release-date, tardiness	single machine, parallel machine	noOverlap		OZ, Cplex, OPL	robot, medical		real-life		960	1383
BegB13 [64]	23	scheduling, re-scheduling, machine, resource, task, completion-time, order, distributed	TMS	cycle			pipeline		benchmark		1044	1467
BeldiceanuC94 [67]	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		1136	1559
BeldiceanuCDP11 [69]	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	1057	1480

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BelhadjiI98 [72]	9	precedence, release-date, job-shop, order, job, scheduling, resource, task, machine, preempt, due-date	Temporal Constraint Satisfaction Problem, TCSP, JSSP	disjunctive					real-life		1127	1550
Benders62 [74]	15	continuous-process, order, transportation		cycle							1149	1572
BenediktMH20 [75]	19	preempt, order, job, re-scheduling, task, job-shop, scheduling, machine	single machine	noOverlap, end-BeforeStart		Gurobi	robot		github, benchmark, random instance, generated instance		973	1396
BeniniLMR11 [78]	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		1058	1481
BensanaLV99 [79]	7	order		cycle		Cplex, Ilog Solver	satellite, earth observation		benchmark		1124	1547
BidotVLB09 [82]	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	1076	1499
BlazewiczLK83 [86]	14	job, order, due-date, completion-time, no preempt, preempt, scheduling, machine, task, lateness, job-shop, precedence, release-date, cmax, open-shop, flow-shop, resource, transportation				OZ					1148	1571
BocewiczBB09 [89]	19	job-shop, resource, multi-agent, precedence, scheduling, machine, transportation, order, tardiness, job, task, distributed, completion-time		cycle		OZ	robot			not-last	1077	1500
BonfiettiI16 [93]	13	order, activity, scheduling, resource, task, distributed, precedence		disjunctive, cumulative, circuit	C++	OZ	pipeline		benchmark		1017	1440
BonfiettiLBM14 [96]	28	buffer-capacity, scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, task, job-shop	RCPSPP	circuit, cumulative, cycle		Ilog Solver	pipeline, hoist, robot, medical		real-world, generated instance, industrial instance, benchmark	time-tabling, sweep	1037	1460
BorghesiBLMB18 [102]	13	job, re-scheduling, make-span, resource, distributed, activity, task, machine, scheduling, order		cumulative, cycle			super-computer		benchmark, real-life		998	1421
BourreauGGLT22 [105]	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		943	1366

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 [107]	14	re-scheduling, make-span, job, scheduling, resource, order, machine, activity, distributed, tardiness		cycle, cumulative, circuit		OZ	medical, super-computer		real-world, real-life		1018	1441
Caballero23 [112]	1	resource, scheduling	RCPSP								929	1352
CampeauG22 [113]	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	944	1367
CarlierP90 [118]	19	completion-time, due-date, flow-shop, job, job-shop, lateness, machine, make-span, order, preempt, scheduling, tardiness, task	single machine	disjunctive					benchmark		1144	1567
CauwelaertDS20 [123]	19	activity, batch process, completion-time, job, job-shop, machine, make-span, order, precedence, preempt, resource, scheduling, sequence dependent setup, setup-time, task, transportation		cumulative, cycle, disjunctive	Java	OZ	container terminal, patient		benchmark, bitbucket, generated instance, real-life	edge-finding, not-first, not-last	974	1397
CauwelaertLS18 [122]	36	scheduling, order, job, resource, activity, machine, task, job-shop	psplib, RCPSP	circuit, different, packing, disjunctive, cumulative, table constraint	Java, Prolog	OZ, OPL, Gecode, CHIP			bitbucket, benchmark	energetic reasoning, not-last, edge-finding, time-tabling, not-first, sweep	999	1422
ColT22 [134]	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		945	1368
CzerniachowskaWZ23 [136]	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, Roadeff, real-world		930	1353
Darby-DowmanLMZ97 [138]	20	machine, scheduling, order, task, make-span, resource	MGAP, single machine	span constraint, disjunctive	Prolog	Cplex, ECLiPSe	pipeline, aircraft		real-life, real-world, benchmark		1130	1553

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
DechterMP91 [145]	35	scheduling, order, Allen's algebra, distributed, task	TCSP, Temporal Constraint Satisfaction Problem	disjunctive, cycle, circuit							1143	1566
DincbasSH90 [156]	19	task, machine, job-shop, distributed, precedence, scheduling, resource, order, job		circuit, disjunctive	Prolog	CHIP, OPL			real-life		1145	1568
DoulabiRP16 [159]	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		1019	1442
EscobetPQPRA19 [165]	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			986	1409
EvenSH15a [167]	16	preempt, distributed, transportation, resource, scheduling, completion-time, task, machine, order		disjunctive, cumulative	Java	Choco Solver, OPL	emergency service		real-world, real-life	sweep	1027	1450
FahimiOQ18 [168]	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	1000	1423
FalaschiGMP97 [169]	27	order, scheduling			Prolog						1131	1554
FallahiAC20 [170]	18	order, resource, task, transportation, scheduling		cycle		OR-Tools, OZ	robot, nurse, medical, container terminal		github, real-life	sweep	975	1398
FanXG21 [171]	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	961	1384

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
FarsiTM22 [172]	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	946	1369
FetgoD22 [174]	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	948	1371
GarridoAO09 [185]	30	re-scheduling, precedence, scheduling, make-span, resource, order, task		disjunctive	Java	CPO, OPL, Choco Solver			benchmark		1078	1501
GarridoOS08 [186]	11	scheduling, make-span, resource, order, activity, task, machine			Java, C	Choco Solver, CPO			real-world		1084	1507
GedikKEK18 [191]	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		1001	1424
GoelSHFS15 [204]	12	precedence, resource, inventory, setup-time, scheduling, activity, task, order, transportation, machine		cumulative, noOverlap, disjunctive, alwaysIn		OPL, Cplex, CPO	pipeline				1028	1451
GokgurHO18 [205]	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	1002	1425
GoldwaserS18 [207]	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	1003	1426
GrimesIOS14 [214]	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		1038	1461
GurEA19 [560]	24	order, distributed, resource, job-shop, scheduling, re-scheduling, job, completion-time				OZ, Cplex	patient, medical, surgery, operating room		real-life		987	1410

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GurPAE23 [220]	25	re-scheduling, order, scheduling, distributed, resource, inventory, machine		cumulative		OPL, Cplex, OZ	physician, surgery, patient, operating room, COVID, nurse		real-life		931	1354
HachemiGR11 [221]	16	task, precedence, job-shop, transportation, make-span, scheduling, resource, order, job, activity		cycle, alldifferent		OPL, Ilog Scheduler, Cplex	crew-scheduling, forestry	food industry			1059	1482
Ham18 [222]	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				1004	1427
HamPK21 [223]	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		962	1385
HebrardHJMPV16 [231]	10	completion-time, resource, task, cmax, distributed, machine, scheduling, order, job, make-span	parallel machine	cumulative		OZ	satellite, earth observation		industrial partner		1021	1444
HeckmanB11 [234]	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	1060	1483
HeinzNVH22 [240]	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		949	1372
HeinzSB13 [239]	36	preempt, due-date, resource, scheduling, precedence, order, completion-time, machine, job, release-date	RCPSP, single machine, psplib	disjunctive, cumulative		MiniZinc, Cplex	satellite		benchmark	time-tabling, edge-finding	1045	1468
HeinzSSW12 [237]	12	inventory, task, order		bin-packing		Cplex	steel mill	steel industry, process industry	real-world, CSPLib		1048	1471
HeipckeCCS00 [242]	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		1117	1540

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 [250]	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	1098	1521
Hooker06 [252]	19	machine, job, task, precedence, release-date, due-date, make-span, order, tardiness, scheduling, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		1094	1517
HookerH18 [257]	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		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	1005	1428
HookerO03 [256]	28	due-date, job, machine, order, release-date, resource, scheduling, task		circuit, cumulative, disjunctive		Cplex, Ilog Scheduler, OPL			generated instance		1103	1526
HubnerGSV21 [260]	22	completion-time, resource, order, job, inventory, activity, due-date, task, machine, preempt, transportation, cmax, tardiness, make-span, precedence, scheduling	RCPSPDC, RCPSP	cycle, cumulative, end-BeforeStart, alternative constraint	C	Gurobi, Cplex, OPL	automotive		benchmark, real-life		963	1386
IsikYA23 [262]	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	932	1355
Kameugne15 [271]	2	resource, scheduling, task, preempt, completion-time		cumulative						not-last, edge-finding, not-first	1030	1453
KameugneFSN14 [275]	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	1039	1462
KelbelH11 [278]	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	1061	1484

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KhayatLR06 [280]	15	job-shop, due-date, scheduling, preempt, task, order, machine, activity, make-span, cmax, job, precedence, resource, setup-time				OPL, Cplex			real-life, bench- mark		1095	1518
KoehlerBFFHPSSS21 [285]	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, MiniZ-inc, OPL, Cplex, Gurobi, OR-Tools, Chuffed	cable tree, automotive, robot		real-world, benchmark, github		964	1387
KorbaaYG00 [288]	10										1118	1541
KovacsB08 [291]	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	1085	1508
KovacsB11 [292]	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	1062	1485
KovacsK11 [294]	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					1063	1486
KreterSS17 [299]	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, MiniZ-inc, CHIP, Chuffed			benchmark	edge-finding	1013	1436
KuchcinskiW03 [302]	15	scheduling, precedence, resource, distributed, order		cycle, circuit	Java		pipeline		benchmark		1104	1527
Laborie03 [305]	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	1105	1528
LaborieRSV18 [308]	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, petro-chemical industry	real-world, CSplib, benchmark	edge-finding	1007	1430

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LacknerMMWW23 [310]	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	933	1356
LammaMM97 [312]	15	job-shop, resource, scheduling, precedence, order, task, job, distributed		circuit, disjunctive	C++, Prolog	ECLiPSe, OPL, CHIP	railway		real-life		1133	1556
LetortCB15 [318]	52	machine, make-span, job, precedence, resource, scheduling, task, order	psplib	cumulative, cycle, bin-packing	Java, Prolog	Choco Solver, CHIP, SICStus			generated instance, Roade, benchmark, random instance	energetic reasoning, sweep, edge-finding	1031	1454
LiessM08 [320]	12	preempt, resource, scheduling, machine, job, activity, precedence, job-shop, task, make-span, order, cmax	RCPSP, psplib	disjunctive, cumulative	C++	OZ			benchmark	edge-finding	1086	1509
LimtanyakulS12 [325]	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	1049	1472
LombardiM10a [334]	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	1071	1494
LombardiM12 [337]	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	1050	1473
LombardiM12a [336]	10	order, make-span, completion-time, resource, activity, precedence, producer/consumer, scheduling	psplib, RCPSP	disjunctive		Ilog Solver			benchmark		1051	1474
LopesCSM10 [339]	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	1072	1495
LopezAKYG00 [340]	4										1119	1542

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LorigeonBB02 [341]	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					1108	1531
LunardiBLRV20 [343]	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		976	1399
MalikMB08 [353]	18	distributed, resource, scheduling, machine, precedence, order		cycle			pipeline		benchmark	edge-finding	1087	1510
MartinPY01 [355]	17	scheduling, task, order, machine, transportation, re-scheduling, resource		circuit	Prolog	ECLiPSe, Ilog Solver	railway, aircraft		real-life		1112	1535
Mason01 [356]	38	scheduling, order, task, activity, transportation				OPL, Cplex	railway, crew-scheduling, nurse				1113	1536
MejiaY20 [358]	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		977	1400
MengZRZL20 [360]	13	earliness, job-shop, scheduling, machine, preempt, sequence dependent setup, flow-time, flow-shop, order, completion-time, transportation, make-span, cmax, job, precedence, batch process, open-shop, distributed, tardiness, resource, no preempt, setup-time, task	Open Shop Scheduling Problem, OSP, parallel machine, FJS	alternative constraint, noOverlap, endBeforeStart		OPL, Gecode, Gurobi, OR-Tools, Cplex	robot, semi-conductor		supplementary material, benchmark		978	1401
MokhtarzadehTNF20 [364]	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	979	1402
MontemanniD23 [368]	13	resource, distributed, order, scheduling, machine, task		circuit	Python	OPL, OR-Tools, Gurobi	robot, drone		benchmark, supplementary material		934	1357
MontemanniD23a [367]	20	order, completion-time, task, transportation, scheduling		circuit	Python	OR-Tools	drone		benchmark		935	1358

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MullerMKP22 [372]	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		950	1373
NaderiBZ22 [377]	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		951	1374
NaderiRR23 [378]	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, Cplex	crew-scheduling, automotive, operating room		github, benchmark		936	1359
NattafAL15 [379]	21	resource, release-date, due-date, scheduling, preempt, task, order, activity, make-span	CECSP, CuSP, RCPSP	cumulative	C++	Cplex			generated instance	sweep, energetic reasoning	1032	1455
NattafAL17 [380]	18	resource, release-date, scheduling, task, order, activity, make-span, job	CECSP	disjunctive, cumulative	C++	Cplex			real-world	edge-finding, energetic reasoning	1014	1437
NishikawaSTT19 [386]	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		988	1411
NovaraNH16 [387]	17	earliness, machine, make-span, job, precedence, batch process, re-scheduling, tardiness, resource, setup-time, due-date, scheduling, activity, sequence dependent setup, manpower, task, order, completion-time		cumulative, noOverlap, endBeforeStart, disjunctive, alternative constraint		OPL, Cplex		pharmaceutical industry	CSPlib, benchmark		1023	1446
Novas19 [388]	13	inventory, lateness, setup-time, resource, make-span, scheduling, flow-shop, transportation, flow-time, precedence, cmax, release-date, job-shop, sequence dependent setup, due-date, machine, task, tardiness, job, completion-time, activity, order, distributed	parallel machine, FJS	cycle, cumulative, noOverlap, endBeforeStart		OPL, Cplex, OZ	medical, semiconductor, robot		benchmark		989	1412

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
NovasH10 [389]	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				1073	1496
NovasH12 [390]	17	precedence, make-span, transportation, order, scheduling, resource, completion-time, machine, job, task, activity		cycle		Ilog Solver, OZ, OPL, Ilog Scheduler	semiconductor robot, hoist, electro-plating, container terminal				1052	1475
NovasH14 [391]	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		1040	1463
NuijtenP98 [393]	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	1128	1551
OhrimenkoSC09 [395]	35	completion-time, lazy clause generation, scheduling, make-span, machine, open-shop, resource, order, job	Open Shop Scheduling Problem	disjunctive, alldifferent		Gecode, OZ			benchmark		1080	1503
OzturkTHO13 [400]	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	1046	1469
PandeyS21a [401]	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		965	1388
PapaB98 [404]	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	1129	1552
PoderBS04 [412]	16	preempt, due-date, resource, scheduling, precedence, order, task, machine, activity, producer/consumer, release-date	RCPSP	cumulative	Prolog	CHIP		chemical industry			1101	1524

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
PohlAK22 [413]	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		952	1375
Polo-MejiaALB20 [414]	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		980	1403
PourDERB18 [416]	12	scheduling, task, order, machine, transportation, job				Cplex, OR-Tools	crew-scheduling, railway		real-life, benchmark, real-world, generated instance		1008	1431
PrataAN23 [420]	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	923	1346
QinDCS20 [423]	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		981	1404
QinWSLS21 [422]	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				966	1389
Rodriguez07 [430]	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		1092	1515
RodriguezDG02 [429]	10	completion-time, scheduling, resource, transportation, activity, order		circuit, disjunctive			railway			edge-finding	1109	1532
RuggieroBBMA09 [432]	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		1081	1504

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SacramentoSP20 [433]	33	preempt, distributed, machine, precedence, task, flow-shop, job-shop, open-shop, transportation, scheduling, order, completion-time, job, resource, make-span, activity	parallel machine, Open Shop Scheduling Problem	disjunctive, cumulative, alternative constraint, end-BeforeStart, noOverlap	Java	Cplex, OZ, CPO	container terminal		benchmark, real-life, zen-odo, real-world		982	1405
SadykovW06 [435]	9	scheduling, lateness, due-date, machine, completion-time, job, release-date	single machine, parallel machine	disjunctive		CHIP	robot		generated instance		1096	1519
SakkoutW00 [436]	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	1120	1543
SchausHMCMD11 [437]	23	order, task	SCC	bin-packing			steel mill	steel industry	benchmark, CSPLib, generated instance		1064	1487
SchildW00 [438]	23	distributed, job-shop, flow-shop, resource, scheduling, completion-time, task, machine, precedence, order, job	single machine	disjunctive, cycle, bin-packing		OZ, Solver	automotive	automotive industry, aerospace industry		time-tabling, edge-finding	1121	1544
SchuttFSW11 [444]	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	1065	1488
SchuttFSW13 [445]	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		1047	1470
ShaikhK23 [451]	12	order, job, activity, re-scheduling, distributed, job-shop, resource, scheduling, open-shop, task, machine					medical, drone		benchmark, real-world	time-tabling	937	1360
ShinBBHO18 [454]	16	scheduling, task, order, machine, preempt, activity, transportation, resource, inventory, job					patient, physician, medical, nurse		github, real-world		1009	1432
Siala15 [455]	2	resource, scheduling		disjunctive					benchmark		1033	1456
SimoninAHL15 [459]	23	resource, activity, precedence, preempt, scheduling, order, inventory, transportation, task, make-span		disjunctive, span constraint, cumulative, cycle		CHIP	earth observation, satellite, pipeline, robot			sweep	1034	1457

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Simonis07 [461]	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	1093	1516
SourdN00 [463]	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	1122	1545
SubulanC22 [465]	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		954	1377
SureshMOK06 [468]	19	distributed, scheduling, buffer-capacity, order, job, task, machine		cumulative, cycle		Z3, OZ					1097	1520
TangLWSK18 [473]	28	scheduling, task, order, preempt, activity, job, transportation, re-scheduling, resource	RCPSp	cycle, circuit	C	Cplex, OZ, OPL	crew-scheduling, railway, pipeline				1010	1433
TerekhovTDB14 [480]	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		1041	1464
ThiruvadyWGS14 [484]	34	order, completion-time, resource, activity, tardiness, distributed, machine, precedence, task, job, make-span, scheduling	psplib, single machine	cumulative				mining industry	benchmark		1042	1465
Timpe02 [486]	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			1110	1533
TopalogluO11 [488]	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	1066	1489

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
TranPZLDB18 [495]	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		1011	1434
TranVNB17 [497]	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		1015	1438
TrojetHL11 [500]	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		1067	1490
Tsang03 [501]	2	resource, scheduling							real-life	time-tabling	1106	1529
VilimBC05 [517]	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	1099	1522
VlkHT21 [520]	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		967	1390
Wallace96 [522]	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	1135	1558
WallaceY20 [523]	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	983	1406
WangMD15 [526]	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	1035	1458
WikarekS19 [530]	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, ECLiPSe	robot				991	1414
YounespourAKE19 [538]	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		992	1415

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 [540]	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		955	1378
YuraszeckMCCR23 [543]	11	setup-time, cmax, activity, make-span, machine, open-shop, precedence, resource, preempt, batch process, task, flow-shop, order, scheduling, job, job-shop, flow-time	RCPSP, Open Shop Scheduling Problem, JSSP, FJS, OSSP	endBeforeStart, cumulative		OPL, Cplex		pharmaceutical industry	github, real-world, benchmark		938	1361
YuraszeckMPV22 [542]	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		956	1379
ZarandiASC20 [545]	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	984	1407
ZarandiKS16 [544]	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	1025	1448
ZeballosH05 [546]	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				1100	1523

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 [547]	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		1074	1497
ZhangW18 [551]	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		1012	1435
ZhangYW21 [550]	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		968	1391
Zhou97 [554]	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	1134	1557
ZouZ20 [559]	10	resource, activity, task, order, scheduling, precedence, completion-time, distributed		cumulative, endBeforeStart, noOverlap, span constraint		Cplex, OPL	pipeline		benchmark		985	1408
abs-0907-0939 [410]	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	1083	1506
abs-1009-0347 [443]	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		1075	1498
abs-1901-07914 [66]	8	multi-agent, scheduling, order, resource, make-span, distributed, machine, task			Python	OZ, MiniZinc, OR-Tools	robot		benchmark, real-world, github		993	1416
abs-1902-01193 [10]	9	order, resource, activity, BOM, task, scheduling			C++, Prolog, Python	Ilog Solver, CHIP, OPL	medical, nurse			time-tabling	994	1417
abs-1902-09244 [228]	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		995	1418

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 [193]	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	996	1419
abs-2102-08778 [132]	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		969	1392
abs-2211-14492 [466]	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		957	1380
abs-2305-19888 [241]	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		939	1362
abs-2306-05747 [476]	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		940	1363
abs-2312-13682 [408]	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		941	1364
abs-2402-00459 [383]	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		924	1347

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	Based On	Classification	Constraints	a	b
PrataAN23 PrataAN23 [420]	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	-	benchmark, real-world, real-life	1	-		-	-	survey	-	923	1286
abs-2402-00459 abs-2402-00459 [383]	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	OR-Tools	instance generator, real-world, generated instance, github, benchmark	2	y		n	-	RCJS	cumulatives	924	1345
AbreuNP23 AbreuNP23 [143]	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	?	real-world, benchmark	10	?		?	?	?	?	925	1153
AbreuPNF23 AbreuPNF23 [3]	A constraint programming-based iterated greedy algorithm for the open shop with sequence-dependent processing times and makespan minimization			0							926	No
AkramNHRS23 AkramNHRS23 [9]	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming	OR-Tools	benchmark	0	n		n	-	TSN	-	927	1155
AlfieriGPS23 AlfieriGPS23 [11]	Permutation flowshop problems minimizing core waiting time and core idle time		benchmark	0							928	1156
Caballero23 Caballero23 [112]	Scheduling through logic-based tools	SAT		1	-		-	PhD Thesis	RCPSP	-	929	1190
CzerniachowskaWZ23 CzerniachowskaWZ23 [136]	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations		benchmark, Roadef, real-world	0							930	1196
GurPAE23 GurPAE23 [220]	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Cplex	real-life	0	n		n	-	-	-	931	1217
IsikYA23 IsikYA23 [262]	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 alternative noOverlap forbidExtent	932	1232
LacknerMMWW23 LacknerMMWW23 [310]	Exact methods for the Oven Scheduling Problem	MiniZinc OPL	random instance, industrial partner, benchmark, instance generator, zenodo, real-life	0	DZN JSON		y	[309]	OSP		933	1246
MontemanniD23 MontemanniD23 [368]	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	OR-Tools	benchmark, supplementary material	6	ref	y	n	-	PDSTSP	circuit	934	1264
MontemanniD23a MontemanniD23a [367]	Constraint programming models for the parallel drone scheduling vehicle routing problem	OR-Tools	benchmark	0	ref		n	-	PDSTSP	circuit multipleCircuit	935	1265
NaderiRR23 NaderiRR23 [378]	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook		github, benchmark	8							936	1268
ShaikhK23 ShaikhK23 [451]	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	?	benchmark, real-world	2	?		?	?	?	?	937	1299

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
YuraszekMCCR23 YuraszekMCCR23 [543]	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, bench- mark	0	ref		n	-	FJSSP	alternative endBeforeStart cumulative	938	1324
abs-2305-19888 abs-2305-19888 [241]	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	939	1342
abs-2306-05747 abs-2306-05747 [476]	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	940	1343
abs-2312-13682 abs-2312-13682 [408]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	941	1344
AbreuN22 AbreuN22 [142]	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	942	1152
BourreauGGLT22 BourreauGGLT22 [105]	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)		real-world, benchmark	2							943	1188
CampeauG22 CampeauG22 [113]	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	944	1191
ColT22 ColT22 [134]	Industrial-size job shop scheduling with constraint programming		generated instance, supplementary material, github, real-life, benchmark, real-world	4							945	1195
FarsiTM22 FarsiTM22 [172]	Integrated surgery scheduling by constraint programming and meta-heuristics		supplementary material	10							946	1207
Fatemi-AnarakiMFN22 Fatemi-AnarakiMFN22 [173]	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches			0							947	No
FetgoD22 FetgoD22 [174]	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited		benchmark, real-world	7							948	1208
HeinzNVH22 HeinzNVH22 [240]	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers		real-world, generated instance, benchmark, gitlab	3							949	1223
MullerMKP22 MullerMKP22 [372]	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							950	1266
NaderiBZ22 NaderiBZ22 [377]	Integrated Order Acceptance and Resource Decisions Under Uncertainty: Robust and Stochastic Approaches		benchmark, real-life	0							951	1267

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
PohlAK22 PohlAK22 [413]	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach		benchmark, real-world	2							952	1283
ShiYXQ22 ShiYXQ22 [453]	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach			0							953	No
SubulanC22 SubulanC22 [465]	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem		real-life, benchmark, real-world	2							954	1305
YunusogluY22 YunusogluY22 [540]	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							955	1323
YuraszeckMPV22 YuraszeckMPV22 [542]	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem		generated instance, github, benchmark, real-life	5							956	1325
abs-2211-14492 abs-2211-14492 [466]	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling		benchmark, random instance, generated instance	1							957	1341
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							958	1150
AbreuAPNM21 AbreuAPNM21 [141]	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							959	1151
Bedhief21 Bedhief21 [63]	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines		real-life	0							960	1173
FanXG21 FanXG21 [171]	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints		benchmark	0							961	1206
HamPK21 HamPK21 [223]	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming		benchmark, github	4							962	1220
HubnerGSV21 HubnerGSV21 [260]	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics		benchmark, real-life	4							963	1231
KoehlerBFFHPSSS21 KoehlerBFFH-PSSS21 [285]	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	964	1237
PandeyS21a PandeyS21a [401]	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization		benchmark	1							965	1280

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
QinWSLS21 QinWSLS21 [422]	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint			0							966	1288
VlkHT21 VlkHT21 [520]	Constraint programming approaches to joint routing and scheduling in time-sensitive networks		industrial partner, random instance, github, benchmark	0							967	1317
ZhangYW21 ZhangYW21 [550]	A graph-based constraint programming approach for the integrated process planning and scheduling problem		benchmark	0							968	1331
abs-2102-08778 abs-2102-08778 [132]	Large-Scale Benchmarks for the Job Shop Scheduling Problem		generated instance, benchmark, real-life, real-world	0							969	1340
AlizdehS20 AlizdehS20 [12]	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming			0							970	No
AstrandJZ20 AstrandJZ20 [28]	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search		benchmark, real-world, real-life	0							971	1158
BadicaBI20 BadicaBI20 [29]	Block structured scheduling using constraint logic programming		real-world, benchmark	5							972	1159
BenediktMH20 BenediktMH20 [75]	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				973	1179
CauwelaertDS20 CauwelaertDS20 [123]	An Efficient Filtering Algorithm for the Unary Resource Constraint with Transition Times and Optional Activities		benchmark, bitbucket, generated instance, real-life	2							974	1193
FallahiAC20 FallahiAC20 [170]	Tabu search and constraint programming-based approach for a real scheduling and routing problem		github, real-life	0							975	1205
LunardiBLRV20 LunardiBLRV20 [343]	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem		benchmark, random instance, generated instance, github	1							976	1257
MejiaY20 MejiaY20 [358]	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							977	1261
MengZRZL20 MengZRZL20 [360]	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem		supplementary material, benchmark	0							978	1262
MokhtarzadehTNF20 MokhtarzadehTNF20 [364]	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach		generated instance, real-world	12							979	1263
Polo-MejiaALB20 Polo-MejiaALB20 [414]	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility		Roadef, github	2							980	1284
QinDCS20 QinDCS20 [423]	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							981	1287

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
SacramentoSP20 SacramentoSP20 [433]	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							982	1292
WallaceY20 WallaceY20 [523]	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		983	1319
ZarandiASC20 ZarandiASC20 [545]	A state of the art review of intelligent scheduling		real-world, benchmark, real-life	0							984	1326
ZouZ20 ZouZ20 [559]	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic		benchmark	3							985	1333
EscobetPQPRA19 EscobetPQPRA19 [165]	Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach			1							986	1201
GurEA19 GurEA19 [560]	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study		real-life	11							987	1216
NishikawaSTT19 NishikawaSTT19 [386]	A Constraint Programming Approach to Scheduling of Malleable Tasks		real-world, benchmark	0							988	1271
Novas19 Novas19 [388]	Production scheduling and lot streaming at flexible job-shops environments using constraint programming		benchmark	0							989	1273
WariZ19 WariZ19 [527]	A Constraint Programming model for food processing industry: a case for an ice cream processing facility			0							990	No
WikarekS19 WikarekS19 [530]	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems			0							991	1321
YounespourAKE19 YounespourAKE19 [538]	Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy		real-life, real-world	6							992	1322
abs-1901-07914 abs-1901-07914 [66]	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks		benchmark, real-world, github	0							993	1336
abs-1902-01193 abs-1902-01193 [10]	Solving Nurse Scheduling Problem Using Constraint Programming Technique			0							994	1337
abs-1902-09244 abs-1902-09244 [228]	On constraint programming for a new flexible project scheduling problem with resource constraints		benchmark, industry partner, real-world	0							995	1338
abs-1911-04766 abs-1911-04766 [193]	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							996	1339
BaptisteB18 BaptisteB18 [35]	Redundant cumulative constraints to compute preemptive bounds			1							997	1162
BorghesiBLMB18 BorghesiBLMB18 [102]	Scheduling-based power capping in high performance computing systems		benchmark, real-life	3							998	1187

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
CauwelaertLS18 CauwelaertLS18 [122]	How efficient is a global constraint in practice? - A fair experimental framework	Choco	bitbucket, benchmark	1					RCPSP	disjunctive cumulative	999	1194
FahimiOQ18 FahimiOQ18 [168]	Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last		benchmark, random instance	0	(y)		n				1000	1203
GedikKEK18 GedikKEK18 [191]	A constraint programming approach for solving unrelated parallel machine scheduling problem		benchmark	9							1001	1211
GokgurHO18 GokgurHO18 [205]	Parallel machine scheduling with tool loading: a constraint programming approach		real-life, real-world	9							1002	1213
GoldwaserS18 GoldwaserS18 [207]	Optimal Torpedo Scheduling		instance generator, github, benchmark, generated instance	0							1003	1214
Ham18 Ham18 [222]	Integrated scheduling of m-truck, m-drone, and m-depot constrained by time-window, drop-pickup, and m-visit using constraint programming			7							1004	1219
HookerH18 HookerH18 [257]	Constraint programming and operations research		real-world, real-life	1							1005	1229
KreterSSZ18 KreterSSZ18 [300]	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems			0							1006	No
LaborieRSV18 LaborieRSV18 [308]	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	OP Opt	real-world, CSPlib, benchmark	3	-		-	-	-	-	1007	1245
PourDERB18 PourDERB18 [416]	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem		real-life, benchmark, real-world, generated instance	1							1008	1285
ShinBBHO18 ShinBBHO18 [454]	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling		github, real-world	4							1009	1300
TangLWSK18 TangLWSK18 [473]	Scheduling Optimization of Linear Schedule with Constraint Programming			0							1010	1307
TranPZLDB18 TranPZLDB18 [495]	Multi-stage resource-aware scheduling for data centers with heterogeneous servers		benchmark, generated instance	2							1011	1312
ZhangW18 ZhangW18 [551]	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							1012	1330
KreterSS17 KreterSS17 [299]	Using constraint programming for solving RCPSP/max-cal	MiniZinc Chuffed Cplex Cplex	benchmark	5	dead			[298]	RCPSP	cumulative cumulativeCalend.	1013	1242
NattafAL17 NattafAL17 [380]	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions		real-world	2	n		n	-	CECSP	-	1014	1270
TranVNB17 TranVNB17 [497]	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots		real-world	0							1015	1313
BlomPS16 BlomPS16 [88]	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods			0							1016	No

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Bonfietti16 Bonfietti16 [93]	A constraint programming scheduling solver for the MPOpt programming environment		benchmark	10							1017	1185
BridiBLMB16 BridiBLMB16 [107]	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines		real-world, real-life	0							1018	1189
DoulabiRP16 DoulabiRP16 [159]	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling		real-world, generated instance	3							1019	1200
HamC16 HamC16 [224]	Flexible job shop scheduling problem with parallel batch processing machines: MIP and CP approaches			0							1020	No
HebrardHJMPV16 HebrardHJMPV16 [231]	Approximation of the parallel machine scheduling problem with additional unit resources		industrial partner	0							1021	1221
KuB16 KuB16 [301]	Mixed Integer Programming models for job shop scheduling: A computational analysis			0							1022	No
NovaraNH16 NovaraNH16 [387]	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation		CSPLib, benchmark	5							1023	1272
TranAB16 TranAB16 [492]	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups			0							1024	No
ZarandiKS16 ZarandiKS16 [544]	A constraint programming model for the scheduling of JIT cross-docking systems with preemption		real-world	0							1025	1327
BajestaniB15 BajestaniB15 [33]	A two-stage coupled algorithm for an integrated maintenance planning and flowshop scheduling problem with deteriorating machines		real-world	0							1026	1161
EvenSH15a EvenSH15a [167]	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling		real-world, real-life	2							1027	1202
GoelSHFS15 GoelSHFS15 [204]	Constraint programming for LNG ship scheduling and inventory management			0							1028	1212
GrimesH15 GrimesH15 [212]	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search			0							1029	No
Kameugne15 Kameugne15 [271]	Propagation techniques of resource constraint for cumulative scheduling	-		2	-		-	PhDThesis	RCPSP		1030	1233
LetortCB15 LetortCB15 [318]	Synchronized sweep algorithms for scalable scheduling constraints	Choco SICStus	generated instance, Roadev, benchmark, random instance	4	dead		-	[317]	-	cumulative dimCumulativePr	1031	1248
NattafAL15 NattafAL15 [379]	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Cplex	generated instance	1	n		n		CSCSP		1032	1269
Siala15 Siala15 [455]	Search, propagation, and learning in sequencing and scheduling problems	-	benchmark	2	-		-	PhD Thesis			1033	1301
SimoninAHL15 SimoninAHL15 [459]	Scheduling scientific experiments for comet exploration	MOST Ilog Scheduler		0	n		n	[458]		cumulative dataTransfer	1034	1302
WangMD15 WangMD15 [526]	Scheduling operating theatres: Mixed integer programming vs. constraint programming		real-life, real-world	2							1035	1320
BlomBPS14 BlomBPS14 [87]	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines			0							1036	No

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BonfiettiLBM14 BonfiettiLBM14 [96]	CROSS cyclic resource-constrained scheduling solver		real-world, generated instance, industrial instance, benchmark	0							1037	1186
GrimesIOS14 GrimesIOS14 [214]	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling		real-world, real-life	9							1038	1215
KameugneFSN14 KameugneFSN14 [275]	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Gecode	random instance, benchmark	2	y			[274]	CuSP	cumulative	1039	1234
NovasH14 NovasH14 [391]	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming		benchmark	0							1040	1276
TerekhovTDB14 TerekhovTDB14 [480]	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems		real-world	0							1041	1308
ThiruvadyWGS14 ThiruvadyWGS14 [484]	A Lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows		benchmark	0							1042	1309
BajestaniB13 BajestaniB13 [32]	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources			0							1043	1160
BegB13 BegB13 [64]	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures		benchmark	0							1044	1174
HeinzSB13 HeinzSB13 [239]	Using dual presolving reductions to reformulate cumulative constraints	Cplex SCIP	benchmark	1	ref		-	-	RCPSP RCPSP/max	cumulative	1045	1224
OzturkTHO13 OzturkTHO13 [400]	Balancing and scheduling of flexible mixed model assembly lines	Ilog Solver Ilog Scheduler	real-world, real-life	2	y		-	-	SBSFMMAL	alldifferent disjunctive	1046	1279
SchuttFSW13 SchuttFSW13 [445]	Solving RCPSP/max by lazy clause generation	Cplex	benchmark, supplementary material	6							1047	1298
HeinzSSW12 HeinzSSW12 [237]	Solving steel mill slab design problems		real-world, CSPLib	2	Cplex		dead	-	SMSDP	-	1048	1225
LimtanyakulS12 LimtanyakulS12 [325]	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		-	-			1049	1250
LombardiM12 LombardiM12 [337]	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	-	real-world, benchmark	0	-		-	-	survey	-	1050	1252
LombardiM12a LombardiM12a [336]	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling		benchmark	1							1051	1253
NovasH12 NovasH12 [390]	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations			0							1052	1275
TerekhovDOB12 TerekhovDOB12 [479]	Solving two-machine assembly scheduling problems with inventory constraints			0							1053	No
BandaSC11 BandaSC11 [144]	Solving Talent Scheduling with Dynamic Programming			0							1054	No
BartakS11 BartakS11 [46]	Constraint satisfaction for planning and scheduling problems	-	random instance, real-world, real-life	2	-		-		survey		1055	1165

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BeckFW11	Combining Constraint Programming and Local Search for Job-Shop Scheduling		real-world, benchmark	0							1056	1170
BeldiceanuCDP11	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles		benchmark	1							1057	1176
BeldiceanuCDP11 [69]												
BeniniLMR11	Optimal resource allocation and scheduling for the CELL BE platform		benchmark, real-world, instance generator	0							1058	1180
BeniniLMR11 [78]												
HachemiGR11	A hybrid constraint programming approach to the log-truck scheduling problem			1							1059	1218
HachemiGR11 [221]												
HeckmanB11	Understanding the behavior of Solution-Guided Search for job-shop scheduling		benchmark, real-world	0							1060	1222
HeckmanB11 [234]												
KelbelH11	Solving production scheduling with earliness/tardiness penalties by constraint programming		benchmark, random instance, generated instance	3							1061	1235
KelbelH11 [278]												
KovacsB11	A global constraint for total weighted completion time for unary resources	Ilog Scheduler	benchmark	2	n		n	-		Completion	1062	1240
KovacsB11 [292]												
KovacsK11	Constraint programming approach to a bilevel scheduling problem	Ilog Solver		2	n		n	-	Bilevel Opt		1063	1241
KovacsK11 [294]												
SchausHMCMD11	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLs	Comet	benchmark, CSPLib, generated instance	3	dead				SMSDP		1064	1295
SchausHMCMD11 [437]												
SchuttFSW11	Explaining the cumulative propagator	MiniZinc	benchmark, real-world	7	PSPLib		-	-	RCPSP	cumulative	1065	1297
SchuttFSW11 [444]												
TopalogluO11	A constraint programming-based solution approach for medical resident scheduling problems		real-life	2							1066	1311
TopalogluO11 [488]												
TrojetHL11	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework		real-world	2							1067	1314
TrojetHL11 [500]												
BartakCS10	Discovering implied constraints in precedence graphs with alternatives		benchmark, real-life, real-world	3							1068	1164
BartakCS10 [45]												
BartakSR10	New trends in constraint satisfaction, planning, and scheduling: a survey		real-life, real-world	0							1069	1166
BartakSR10 [47]												
HartmannB10	A survey of variants and extensions of the resource-constrained project scheduling problem			0							1070	No
HartmannB10 [227]												
LombardiM10a	Allocation and scheduling of Conditional Task Graphs		real-world, benchmark, real-life	3							1071	1251
LombardiM10a [334]												
LopesCSM10	A hybrid model for a multiproduct pipeline planning and scheduling problem	Ilog Solver	benchmark, real-world	2	-		-	[371, 370]			1072	1254
LopesCSM10 [339]												
NovashH10	Reactive scheduling framework based on domain knowledge and constraint programming			0							1073	1274
NovashH10 [389]												
ZeballosQH10	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations		benchmark, real-world	4							1074	1329
ZeballosQH10 [547]												
abs-1009-0347	Solving the Resource Constrained Project Scheduling Problem with Generalized Precedences by Lazy Clause Generation		benchmark, instance generator	0							1075	1335
abs-1009-0347 [443]												
BidotVLB09	A theoretic and practical framework for scheduling in a stochastic environment		real-world, real-life	0							1076	1182
BidotVLB09 [82]												
BocewiczBB09	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling			0							1077	1184
BocewiczBB09 [89]												

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GarridoAO09 GarridoAO09 [185]	A constraint programming formulation for planning: from plan scheduling to plan generation		benchmark	8							1078	1209
Jans09 Jans09 [264]	Solving Lot-Sizing Problems on Parallel Identical Machines Using Symmetry-Breaking Constraints			0							1079	No
OhrimenkoSC09 OhrimenkoSC09 [395]	Propagation via lazy clause generation		benchmark	8							1080	1278
RuggieroBBMA09 RuggieroBBMA09 [432]	Reducing the Abstraction and Optimality Gaps in the Allocation and Scheduling for Variable Voltage/Frequency MPSoC Platforms		instance generator, real-life	0							1081	1291
WuBB09 WuBB09 [536]	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints			0							1082	No
abs-0907-0939 abs-0907-0939 [410]	The Soft Cumulative Constraint		real-world	0							1083	1334
GarridoOS08 GarridoOS08 [186]	Planning and scheduling in an e-learning environment. A constraint-programming-based approach		real-world	0							1084	1210
KovacsB08 KovacsB08 [291]	A global constraint for total weighted completion time for cumulative resources		benchmark	0							1085	1239
LiessM08 LiessM08 [320]	A constraint programming approach for the resource-constrained project scheduling problem		benchmark	0							1086	1249
MalikMB08 MalikMB08 [353]	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming		benchmark	0							1087	1258
MercierH08 MercierH08 [361]	Edge Finding for Cumulative Scheduling			0							1088	No
Beck07 Beck07 [53]	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling		benchmark	0							1089	1167
BeckW07 BeckW07 [62]	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations		benchmark	0							1090	1172
Hooker07 Hooker07 [253]	Planning and Scheduling by Logic-Based Benders Decomposition			0							1091	No
Rodriguez07 Rodriguez07 [430]	A constraint programming model for real-time train scheduling at junctions		real-life	2							1092	1289
Simonis07 Simonis07 [461]	Models for Global Constraint Applications	CHIP		0	n		n			cumulative diffn cycle inverse cumulative	1093	1303
Hooker06 Hooker06 [252]	An Integrated Method for Planning and Scheduling to Minimize Tardiness	OPL Cplex Ilog Scheduler	random instance	2	n		n	[251]	CuSP		1094	1228
KhayatLR06 KhayatLR06 [280]	Integrated production and material handling scheduling using mathematical programming and constraint programming		real-life, bench- mark	1							1095	1236
SadykovW06 SadykovW06 [435]	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates		generated in- stance	1							1096	1293
SureshMOK06 SureshMOK06 [468]	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach			0							1097	1306
Hooker05 Hooker05 [250]	A Hybrid Method for the Planning and Scheduling	OPL Cplex Ilog Scheduler	random instance	0	n		n	[249]	CuSP	cumulative	1098	1227

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VilimBC05 VilimBC05 [517]	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities		benchmark, real-life	0	n		n	[516]	JSSP	disjunctive	1099	1316
ZeballosH05 ZeballosH05 [546]	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources			0							1100	1328
PoderBS04 PoderBS04 [412]	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption			0							1101	1282
BeckR03 BeckR03 [59]	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs		benchmark	0							1102	1171
HookerO03 HookerO03 [256]	Logic-based Benders decomposition		generated instance	0							1103	1230
KuchcinskiW03 KuchcinskiW03 [302]	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming		benchmark	0							1104	1243
Laborie03 Laborie03 [305]	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results		benchmark	0							1105	1244
Tsang03 Tsang03 [501]	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems		real-life	0							1106	1315
HarjunkskiG02 HarjunkskiG02 [226]	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods			0							1107	No
LorigeonBB02 LorigeonBB02 [341]	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint			0							1108	1256
RodriguezDG02 RodriguezDG02 [429]	Railway infrastructure saturation using constraint programming approach			0							1109	1290
Timpe02 Timpe02 [486]	Solving planning and scheduling problems with combined integer and constraint programming			0							1110	1310
JainG01 JainG01 [263]	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems			0							1111	No
MartinPY01 MartinPY01 [355]	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application		real-life	0							1112	1259
Mason01 Mason01 [356]	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling			0							1113	1260
ArtiguesR00 ArtiguesR00 [23]	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes			0							1114	1157
BaptisteP00 BaptisteP00 [38]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	CLAIRE	benchmark	0	n		n		RCCSP	cumulative	1115	1163
BeckF00 BeckF00 [57]	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics		real-world, benchmark	0							1116	1168
HeipckeCCS00 HeipckeCCS00 [242]	Scheduling under Labour Resource Constraints	COME SchedEns	benchmark, instance generator	0	dead		n	-			1117	1226
KorbaaYG00 KorbaaYG00 [288]	Solving Transient Scheduling Problems with Constraint Programming			0							1118	1238
LopezAKYG00 LopezAKYG00 [340]	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina			0							1119	1255

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SakkoutW00 SakkoutW00 [436]	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Cplex ECLiPSe	benchmark, real-world	0	n		n	-	KRFP		1120	1294
SchildW00 SchildW00 [438]	Scheduling of Time-Triggered Real-Time Systems	OZ		0	n		n	-		disjunctive	1121	1296
SourdN00 SourdN00 [463]	Multiple-Machine Lower Bounds for Shop-Scheduling Problems		real-life, bench- mark	1							1122	1304
TorresL00 TorresL00 [489]	On Not-First/Not-Last conditions in disjunctive scheduling			0							1123	No
BensanaLV99 BensanaLV99 [79]	Earth Observation Satellite Management	Ilog Solver	benchmark	0	?		-	-			1124	1181
BruckerDMNP99 BruckerDMNP99 [109]	Resource-constrained project scheduling: Notation, classification, models, and methods			0							1125	No
BeckF98 BeckF98 [56]	A Generic Framework for Constraint-Directed Search and Scheduling		real-world, benchmark	0							1126	1169
BelhadjiI98 BelhadjiI98 [72]	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	-	real-life	0	n		n	-	TCSP JSSP		1127	1177
NuijtenP98 NuijtenP98 [393]	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler		real-life	0							1128	1277
PapaB98 PapaB98 [404]	Resource Constraints for Preemptive Job-shop Scheduling	Ilog Solver Claire	benchmark	0	dead		-	-	PJSSP	disjunctive flow	1129	1281
Darby-DowmanLMZ97 Darby-DowmanLMZ97 [138]	Constraint Logic Programming and Integer Programming Approaches and Their Collaboration in Solving an Assignment Scheduling Problem	Cplex ECLiPSe	real-life, real-world, bench- mark	0	n		n	-	MGAP		1130	1197
FalaschiGMP97 FalaschiGMP97 [169]	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators			0							1131	1204
KolischS97 KolischS97 [286]	PSPLIB - A project scheduling problem library			0							1132	No
LammaMM97 LammaMM97 [312]	A distributed constraint-based scheduler		real-life	0							1133	1247
Zhou97 Zhou97 [554]	A Permutation-Based Approach for Solving the Job-Shop Problem	-	benchmark	0	n		n	[553]	JSSP	sort alldifferent permutation	1134	1332
Wallace96 Wallace96 [522]	Practical Applications of Constraint Programming	-		0	-		-	-	Survey	-	1135	1318
BeldiceanuC94 BeldiceanuC94 [67]	Introducing Global Constraints in CHIP		real-world, real-life, benchmark	0							1136	1175
CarlierP94 CarlierP94 [119]	Adjustment of heads and tails for the job-shop problem			0							1137	No
Pape94 Pape94 [402]	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems			0							1138	No
AggounB93 AggounB93 [7]	Extending CHIP in order to solve complex scheduling and placement problems		real-world	0							1139	1154
Taillard93 Taillard93 [471]	Benchmarks for basic scheduling problems			0							1140	No
Tay92 Tay92 [477]	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling			0							1141	No
ApplegateC91 ApplegateC91 [16]	A Computational Study of the Job-Shop Scheduling Problem			0							1142	No
DechterMP91 DechterMP91 [145]	Temporal constraint networks			0							1143	1198
CarlierP90 CarlierP90 [118]	A practical use of Jackson's preemptive schedule for solving the job shop problem		benchmark	0							1144	1192

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
DincbasSH90	Solving Large Combinatorial Problems in Logic		real-life	0							1145	1199
DincbasSH90 [156]	Programming											
CarlierP89	An Algorithm for Solving the Job-Shop Problem			0							1146	No
CarlierP89 [117]												
AdamsBZ88	The Shifting Bottleneck Procedure for Job Shop			0							1147	No
AdamsBZ88 [6]	Scheduling											
BlazewiczLK83	Scheduling subject to resource constraints:			0							1148	1183
BlazewiczLK83 [86]	classification and complexity											
Benders62	Partitioning procedures for solving			0							1149	1178
Benders62 [74]	mixed-variables programming problems											

4 Authors

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
J. Christopher Beck	46	623	LuoB22 [346], ZhangBB22 [549], TangB20 [472], TranPZLDB18 [495], TranVNB17 [497], TranVNB17a [498], CohenHB17 [131], BoothNB16 [101], KuB16 [301], TranAB16 [492], TranWDRFOVB16 [499], LuoVLBM16 [345], TranDRFWOV16 [494], BajestaniB15 [33], KoschB14 [289], TerekhovTDB14 [480], LouieVNB14 [342], HeinzSB13 [239], HeinzKB13 [236], BajestaniB13 [32], TranTDB13 [496], HeinzB12 [235], Terekhov-DOB12 [479], TranB12 [493], KovacsB11 [292], BeckFW11 [55], HeckmanB11 [234], BajestaniB11 [31], WuBB09 [536], BidotVLB09 [82], WatsonB08 [528], KovacsB08 [291], BeckW07 [62], Beck07 [53], KovacsB07 [290], Beck06 [52], CarchraeBF05 [116], WuBB05 [535], BeckW05 [61], BeckW04 [60], BeckR03 [59], BeckPS03 [58], BeckF00 [57], Beck99 [51], BeckF98 [56], BeckDF97 [54]
Michela Milano	24	172	BorghesiBLMB18 [102], BonfiettiZLM16 [100], BridiBLMB16 [107], BridiLBBM16 [108], LombardiBM15 [331], BartoliniBBLM14 [49], BonfiettiLM14 [98], BonfiettiLBM14 [96], BonfiettiLM13 [97], LombardiM13 [338], LombardiM12 [337], BonfiettiLBM12 [95], LombardiM12a [336], BonfiettiM12 [99], BonfiettiLBM11 [94], LombardiBMB11 [332], BeniniLMR11 [78], LombardiM10 [335], LombardiM10a [334], LombardiM09 [333], RuggieroBBMA09 [432], BeniniBGM06 [77], LammaMM97 [312], BrusoniCLMMT96 [110]
Andreas Schutt	24	314	YangSS19 [537], KreterSSZ18 [300], GoldwaserS18 [207], MusliuSS18 [376], KreterSS17 [299], YoungFS17 [539], GoldwaserS17 [206], SchuttS16 [447], SzerediS16 [470], KreterSS15 [298], EvenSH15 [166], EvenSH15a [167], ThiruvadyWGS14 [484], SchuttFS13 [441], SchuttFS13a [440], GuSS13 [218], SchuttFSW13 [445], ChuGNSW13 [126], SchuttCSW12 [439], SchuttFSW11 [444], SchuttW10 [448], abs-1009-0347 [443], SchuttFSW09 [442], SchuttWS05 [449]
Peter J. Stuckey	23	789	YangSS19 [537], DemirovicS18 [150], KreterSSZ18 [300], MusliuSS18 [376], KreterSS17 [299], SchuttS16 [447], BlomPS16 [88], KreterSS15 [298], BurtLPS15 [111], BlomBPS14 [87], LipovetzkyBPS14 [326], SchuttFS13 [441], SchuttFS13a [440], GuSS13 [218], SchuttFSW13 [445], SchuttCSW12 [439], GuSW12 [219], SchuttFSW11 [444], BandaSC11 [144], abs-1009-0347 [443], SchuttFSW09 [442], OhrenkoSC09 [395], NethercoteSBBDT07 [382]
Michele Lombardi	22	135	BorghesiBLMB18 [102], CauwelaertLS18 [122], BonfiettiZLM16 [100], BridiBLMB16 [107], BridiLBBM16 [108], LombardiBM15 [331], BartoliniBLM14 [49], BonfiettiLM14 [98], BonfiettiLBM14 [96], MusfiettiLM13 [97], LombardiM13 [338], LombardiM12 [337], BonfiettiLBM12 [95], LombardiM12a [336], BonfiettiLBM11 [94], LombardiBMB11 [332], BeniniLMR11 [78], LombardiM10 [335], LombardiM10a [334], LombardiM09 [333], HoeveGSL07 [506]
Emmanuel Hebrard	17	71	JuvinHHL23 [268], HebrardALLCMR22 [230], AntuoriHHEN21 [15], ArtiguesHQT21 [22], GodetLHS20 [203], AntuoriHHEN20 [14], Hebrard-HJMPV16 [231], SimoninAHL15 [459], SialaAH15 [457], GrimesH15 [212], BessiereHMQW14 [81], SimoninAHL12 [458], BillautHL12 [83], GrimesH11 [211], GrimesH10 [210], GrimesHM09 [213], HebrardTW05 [232]
John N. Hooker	14	895	Hooker19 [255], HookerH18 [257], Hooker17 [253], HechingH16 [234], CireCH13 [128], CobanH10 [130], Hooker07 [253], Hooker06 [252], Hooker05 [250], Hooker05a [251], Hooker04 [249], HookerO03 [256], HookerY02 [258], Hooker00 [248]
Nicolas Beldiceanu	13	274	Madi-WambaLOBM17 [348], Madi-WambaB16 [347], LetortCB15 [318], LetortCB13 [317], LetortBC12 [316], ClercqPBJ11 [129], BeldiceanuCDP11 [69], BeldiceanuCP08 [70], PoderB08 [411], BeldiceanuP07 [71], PoderBS04 [412], BeldiceanuC02 [68], AggounB93 [7]
Pierre Lopez	13	75	JuvinHHL23 [268], JuvinHL23 [269], HebrardALLCMR22 [230], Polo-MejiaALB20 [414], NattafAL17 [380], SimoninAHL15 [459], NattafAL15 [379], SimoninAHL12 [458], BillautHL12 [83], LahimerLH11 [311], TrojetHL11 [500], LopezAKYG00 [340], TorresL00 [489]
Christian Artigues	12	142	PovedaAA23 [417], PohlAK22 [413], HebrardALLCMR22 [230], ArtiguesHQT21 [22], Polo-MejiaALB20 [414], NattafAL17 [380], SimoninAHL15 [459], NattafAL15 [379], SialaAH15 [457], SimoninAHL12 [458], ArtiguesBF04 [21], ArtiguesR00 [23]
Pierre Schaus	12	79	CauwelaertDS20 [123], CappartTSR18 [115], CauwelaertLS18 [122], CappartS17 [114], CauwelaertDMS16 [121], DejemeppeCS15 [147], GayHLS15 [187], GayHS15 [188], GayHS15a [189], HoundjiSWD14 [259], GaySS14 [190], SchausHMCMD11 [437]
Roman Barták	11	88	SvancaraB22 [469], JelinekB16 [265], BartakV15 [48], Bartak14 [44], BartakS11 [46], BartakCS10 [45], BartakSR10 [47], VilimBC05 [517], VilimBC04 [516], Bartak02 [43], Bartak02a [42]
Philippe Laborie	11	510	LunardiBLRV20 [343], LaborieRSV18 [308], Laborie18a [307], MelgarejoLS15 [8], VilimLS15 [518], Laborie09 [306], BidotVLB09 [82], BaptisteLPN06 [36], GodardLN05 [201], Laborie03 [305], FocacciLN00 [175]
Petr Vilím	11	313	LaborieRSV18 [308], VilimLS15 [518], Vilim11 [515], Vilim09 [513], Vilim09a [514], VilimBC05 [517], Vilim05 [512], VilimBC04 [516], Vilim04 [511], Vilim03 [510], Vilim02 [509]
Luca Benini	10	87	BorghesiBLMB18 [102], BridiBLMB16 [107], BridiLBBM16 [108], BonfiettiLBM14 [96], BonfiettiLBM12 [95], BonfiettiLBM11 [94], LombardiBMB11 [332], BeniniLMR11 [78], RuggieroBBMA09 [432], BeniniBGM06 [77]
Alessio Bonfietti	10	17	BonfiettiZLM16 [100], Bonfietti16 [93], LombardiBM15 [331], BonfiettiLM14 [98], BonfiettiLBM14 [96], BonfiettiLM13 [97], BonfiettiLBM12 [95], BonfiettiM12 [99], BonfiettiLBM11 [94], LombardiBMB11 [332]
Pascal Van Hentenryck	10	164	FontaineMH16 [176], EvenSH15 [166], EvenSH15a [167], SchausHMCMD11 [437], MonetteDH09 [366], DoomsH08 [157], HentenryckM08 [244], MercierH08 [361], HentenryckM04 [243], DincbasSH90 [156]
Philippe Baptiste	9	400	BaptisteB18 [35], Baptiste09 [34], BaptisteLPN06 [36], ArtiouchineB05 [24], BaptistePN01 [39], BaptisteP00 [38], PapaB98 [404], BaptisteP97 [37], PapeB97 [403]
Nysret Musliu	9	14	LacknerMMWW23 [310], WinterMMW22 [531], LacknerMMWW21 [309], GeibingerKKMMW21 [192], GeibingerMM21 [195], GeibingerMM19 [194], abs-1911-04766 [193], MusliuSS18 [376], KletzanderM17 [284]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Claude-Guy Quimper	9	25	BoudreaultSLQ22 [104], OuelletQ22 [398], Mercier-AubinGQ20 [362], FahimiOQ18 [168], KameugneFGOQ18 [272], OuelletQ18 [397], GignasQ16 [200], BessiereHMqw14 [81], OuelletQ13 [396]
Tony T. Tran	9	108	TranPZLDB18 [495], TranVNB17 [497], TranVNB17a [498], TranAB16 [492], TranWDRFOVB16 [499], TranDRFWOVB16 [494], TerekhovTDB14 [480], TranTDB13 [496], TranB12 [493]
Mats Carlsson	8	80	WessenCS20 [529], MossigeGSMC17 [369], LetortCB15 [318], LetortCB13 [317], LetortBC12 [316], BeldiceanuCDP11 [69], BeldiceanuCP08 [70], BeldiceanuC02 [68]
Claude Le Pape	8	534	BaptisteLPN06 [36], BaptistePN01 [39], BaptisteP00 [38], PapaB98 [404], NuijtenP98 [393], BaptisteP97 [37], PapeB97 [403], Pape94 [402]
Helmut Simonis	8	133	ArmstrongGOS22 [19], ArmstrongGOS21 [18], GrimesIOS14 [214], IfrimOS12 [261], Simonis07 [461], SimonisC95 [462], Simonis95 [460], DincbasSH90 [156]
Mark Wallace	8	243	WallaceY20 [523], He0GLW18 [229], ThiruvadyWGS14 [484], SchuttFSW09 [442], SakkoutW00 [436], RodosekW98 [428], Wallace96 [522], Wallace94 [521]
Thibaut Feydy	7	170	YoungFS17 [539], SchuttFS13 [441], SchuttFS13a [440], SchuttFSW13 [445], SchuttFSW11 [444], abs-1009-0347 [443], SchuttFSW09 [442]
Zdenek Hanzálek	7	27	Mehdizadeh-Somarin23 [357], abs-2305-19888 [241], HeinzNVH22 [240], VlkHT21 [520], BenediktMH20 [75], BenediktSMVH18 [76], KelbelH11 [278]
András Kovács	7	21	KovacsB11 [292], KovacsK11 [294], KovacsB08 [291], KovacsB07 [290], KovacsV06 [296], KovacsEKV05 [293], KovacsV04 [295]
Gabriela P. Henning	7	153	NovaraNH16 [387], NovasH14 [391], NovasH12 [390], NovasH10 [389], ZeballosQH10 [547], ZeballosH05 [546], QuirogaZH05 [425]
Stefan Heinz	6	67	HeinzSB13 [239], HeinzKB13 [236], HeinzSSW12 [237], HeinzB12 [235], HeinzS11 [238], BertholdHLMS10 [80]
Wim Nuijten	6	375	BaptisteLPN06 [36], GodardLN05 [201], BaptistePN01 [39], SourdN00 [463], FocacciLN00 [175], NuijtenP98 [393]
Emmanuel Poder	6	27	BeldiceanuCDP11 [69], abs-0907-0939 [410], BeldiceanuCP08 [70], PoderB08 [411], BeldiceanuP07 [71], PoderBS04 [412]
Louis-Martin Rousseau	6	103	CappartTSR18 [115], DoulabiRP16 [159], PesantRR15 [409], DoulabiRP14 [158], ChapadosJR11 [125], HachemiGR11 [221]
Cyrille Dejemeppe	5	8	CauwelaertDS20 [123], CauwelaertDMS16 [121], Dejemeppe16 [146], DejemeppeCS15 [147], DejemeppeD14 [148]
Yves Deville	5	19	HoundjiSWD14 [259], DejemeppeD14 [148], SchausHMCMD11 [437], MonetteDH09 [366], MonetteDD07 [365]
Mark G. Wallace	5	123	SchuttFSW13 [445], SchuttCSW12 [439], GuSW12 [219], SchuttFSW11 [444], abs-1009-0347 [443]
Diarmuid Grimes	5	51	GrimesH15 [212], GrimesIOS14 [214], GrimesH11 [211], GrimesH10 [210], GrimesHM09 [213]
Roger Kameugne	5	14	KameugneFND23 [273], KameugneFGOQ18 [272], Kameugne15 [271], KameugneFSN14 [275], KameugneFSN11 [274]
Juan M. Novas	5	148	Novas19 [388], NovaraNH16 [387], NovasH14 [391], NovasH12 [390], NovasH10 [389]
Marek Vlk	5	14	abs-2305-19888 [241], HeinzNVH22 [240], VlkHT21 [520], BenediktSMVH18 [76], BartakV15 [48]
Armin Wolf	5	36	GeitzGSSW22 [196], SchuttW10 [448], WolfS05 [533], SchuttWS05 [449], Wolf03 [532]
André A. Ciré	4	50	CireCH13 [128], LopesCSM10 [339], MouraSCL08 [371], MouraSCL08a [370]
Andrea Bartolini	4	40	BorghesiBLMB18 [102], BridiBLMB16 [107], BridiLBBM16 [108], BartoliniBBLM14 [49]
Steven Gay	4	42	GayHLS15 [187], GayHS15 [188], GayHS15a [189], GaySS14 [190]
Tobias Geibinger	4	6	GeibingerKKMMW21 [192], GeibingerMM21 [195], GeibingerMM19 [194], abs-1911-04766 [193]
Arnaud Malapert	4	16	NattafM20 [381], MalapertN19 [351], Malapert11 [350], GrimesHM09 [213]
Laurent Michel	4	39	TardivoDFMP23 [474], SchausHMCMD11 [437], HentenryckM08 [244], HentenryckM04 [243]
Florian Mischek	4	6	GeibingerKKMMW21 [192], GeibingerMM21 [195], GeibingerMM19 [194], abs-1911-04766 [193]
Jean-Noël Monette	4	15	CauwelaertDMS16 [121], SchausHMCMD11 [437], MonetteDH09 [366], MonetteDD07 [365]
Margaux Nattaf	4	20	NattafM20 [381], MalapertN19 [351], NattafAL17 [380], NattafAL15 [379]
Goldie Nejat	4	50	TranVNB17 [497], TranVNB17a [498], BoothNB16 [101], LouieVNB14 [342]
Barry O'Sullivan	4	13	ArmstrongGOS22 [19], ArmstrongGOS21 [18], GrimesIOS14 [214], IfrimOS12 [261]
Yanick Ouellet	4	10	OuelletQ22 [398], FahimiOQ18 [168], KameugneFGOQ18 [272], OuelletQ18 [397]
Gilles Pesant	4	60	AalianPG23 [1], DoulabiRP16 [159], PesantRR15 [409], DoulabiRP14 [158]
Thierry Petit	4	20	DerrienP14 [152], DerrienPZ14 [153], ClercqPBJ11 [129], abs-0907-0939 [410]
Cédric Pralet	4	10	SquillaciPR23 [464], Pralet17 [418], HebrardHJMPV16 [231], PraletLJ15 [419]
Adrian R. Pearce	4	35	BlomPS16 [88], BurtLPS15 [111], BlomBPS14 [87], LipovetzkyBPS14 [326]
Dhananjay R. Thiruvady	4	32	abs-2402-00459 [383], abs-2211-14492 [466], ThiruvadyWGS14 [484], ThiruvadyBME09 [483]
Christine Solnon	4	20	GroleazNS20 [216], GroleazNS20a [215], SacramentoSP20 [433], MelgarejoLS15 [8]
József Váncza	4	9	KovacsV06 [296], KovacsEKV05 [293], KovacsV04 [295], VanczaM01 [507]
Toby Walsh	4	2	GelainPRVW17 [197], BessiereHMqw14 [81], ChuGNSW13 [126], HebrardTW05 [232]
Felix Winter	4	0	LacknerMMWW23 [310], WinterMMW22 [531], LacknerMMWW21 [309], GeibingerKKMMW21 [192]
Francisco Yuraszeck	4	25	YuraszeckMCCR23 [543], YuraszeckMC23 [541], YuraszeckMPV22 [542], MejiaY20 [358]
Max Åstrand	4	27	AstrandOF21 [26], Åstrand21 [25], ÅstrandJZ20 [28], ÅstrandJZ18 [27]
Miguel A. Salido	3	45	BartakS11 [46], BartakSR10 [47], AbrilSB05 [4]
Bruno A. Prata	3	1	PrataAN23 [420], AbreuNP23 [143], AbreuPNF23 [3]
Maliheh Aramon Bajestani	3	31	BajestaniB15 [33], BajestaniB13 [32], BajestaniB11 [31]
Séverine Betmbe Fetgo	3	1	KameugneFND23 [273], FetgoD22 [174], KameugneFGOQ18 [272]
Miquel Bofill	3	11	BofillCSV17 [90], BofillGSV15 [92], BofillEGPSV14 [91]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Thomas Bridi	3	29	BridiBLMB16 [107], BridiLBBM16 [108], BartoliniBBLM14 [49]
Cid C. de Souza	3	21	MouraSCL08 [371], MouraSCL08a [370], HeipckeCCS00 [242]
Quentin Cappart	3	8	PopovicCGNC22 [415], CappartTSR18 [115], CappartS17 [114]
Jacques Carlier	3	779	CarlierP94 [119], CarlierP90 [118], CarlierP89 [117]
Ondrej Cepek	3	36	BartakCS10 [45], VilimBC05 [517], VilimBC04 [516]
Erich Christian Teppan	3	11	Teppan22 [478], ColT22 [134], ColT19 [133]
Geoffrey Chu	3	42	ChuGNSW13 [126], SchuttCSW12 [439], BandaSC11 [144]
Giacomo Da Col	3	11	ColT22 [134], abs-2102-08778 [132], ColT19 [133]
Sophie Demassey	3	36	HermenierDL11 [245], BeldiceanuCDP11 [69], Demassey03 [149]
Alban Derrien	3	17	Derrien15 [151], DerrienP14 [152], DerrienPZ14 [153]
Ignacio E. Grossmann	3	463	MaraveliasG04 [354], HarjunkoskiG02 [226], JainG01 [263]
Jeremy Frank	3	7	TranWDRFOVB16 [499], TranDRFWOVB16 [494], FrankK05 [178]
Douglas G. Down	3	20	TranPZLDB18 [495], TerekhovTDB14 [480], TranTDB13 [496]
Michele Garraffa	3	1	AlfieriGPS23 [11], ArmstrongGOS22 [19], ArmstrongGOS21 [18]
Martin Gebser	3	0	TasselGS23 [475], abs-2306-05747 [476], KovacsTKSG21 [297]
Jean-Claude Gentina	3	8	KorbaaYG00 [288], LopezAKYG00 [340], KorbaaYG99 [287]
Hanyu Gu	3	34	ThiruvadyWGS14 [484], GuSS13 [218], GuSW12 [219]
Renaud Hartert	3	35	GayHLS15 [187], GayHS15 [188], GayHS15a [189]
Brahim Hnich	3	68	GokgurHO18 [205], OzturkTHO13 [400], RossiTHP07 [431]
Marie-José Huguet	3	12	AntuoriHHEN21 [15], AntuoriHHEN20 [14], HebrardHJMPV16 [231]
Andrew J. Davenport	3	13	Davenport10 [139], DavenportKRSH07 [140], BeckDF97 [54]
Willem Jan van Hoeve	3	12	HookerH18 [257], HoeveGSL07 [506], GomesHS06 [209]
Mikael Johansson	3	27	Astrand0F21 [26], AstrandJZ20 [28], AstrandJZ18 [27]
Narendra Jussien	3	13	ClercqPB11 [129], ElkhyariGJ02 [162], ElkhyariGJ02a [163]
Tamás Kis	3	6	KovacsK11 [294], KeriK07 [279], KovacsEKV05 [293]
Ouajdi Korbaa	3	8	KorbaaYG00 [288], LopezAKYG00 [340], KorbaaYG99 [287]
Stefan Kreter	3	47	KreterSSZ18 [300], KreterSS17 [299], KreterSS15 [298]
Krzysztof Kuchcinski	3	24	WolinskiKG04 [534], KuchcinskiW03 [302], GruianK98 [217]
Arnaud Letort	3	23	LetortCB15 [318], LetortCB13 [317], LetortBC12 [316]
Tony Minoru Tamura Lopes	3	47	LopesCSM10 [339], MouraSCL08 [371], MouraSCL08a [370]
Kenneth N. Brown	3	43	MurphyMB15 [374], WuBB09 [536], WuBB05 [535]
Christina N. Burt	3	15	BurtLPS15 [111], BlomBPS14 [87], LipovetzkyBPS14 [326]
Hiroki Nishikawa	3	3	NishikawaSTT19 [386], NishikawaSTT18 [384], NishikawaSTT18a [385]
Erwin Pesch	3	1045	MullerMKP22 [372], BlazewiczEP19 [85], BruckerDMNP99 [109]
Eric Pinson	3	779	CarlierP94 [119], CarlierP90 [118], CarlierP89 [117]
Levi Ribeiro de Abreu	3	11	AbreuNP23 [143], AbreuN22 [142], AbreuAPNM21 [141]
Mark S. Fox	3	27	BeckF00 [57], BeckF98 [56], BeckDF97 [54]
Jens Schulz	3	40	HeinzSB13 [239], HeinzS11 [238], BertholdHMLS10 [80]
Marcelo Seido Nagano	3	11	AbreuNP23 [143], AbreuN22 [142], AbreuAPNM21 [141]
Paul Shaw	3	809	LaborieRSV18 [308], VilimLS15 [518], Shaw98 [452]
Kana Shimada	3	3	NishikawaSTT19 [386], NishikawaSTT18 [384], NishikawaSTT18a [385]
Mohamed Siala	3	8	Siala15 [455], SialaAH15 [457], Siala15a [456]
Gilles Simonin	3	8	GodetLHS20 [203], SimoninAHL15 [459], SimoninAHL12 [458]
Tiago Stegun Vaquero	3	29	TranVNB17 [497], TranVNB17a [498], LouieVNB14 [342]
Josep Suy	3	11	BofillCSV17 [90], BofillGSV15 [92], BofillEGPSV14 [91]
Ittetsu Taniguchi	3	3	NishikawaSTT19 [386], NishikawaSTT18 [384], NishikawaSTT18a [385]
Pierre Tassel	3	0	TasselGS23 [475], abs-2306-05747 [476], KovacsTKSG21 [297]
Daria Terekhov	3	20	TerekhovTDB14 [480], TranTDB13 [496], TerekhovDOB12 [479]
Hiroyuki Tomiyama	3	3	NishikawaSTT19 [386], NishikawaSTT18 [384], NishikawaSTT18a [385]
Seyda Topaloglu Yildiz	3	20	IsikYA23 [262], YunusogluY22 [540], KucukY19 [304]
Sascha Van Cauwelaert	3	8	CauwelaertLS18 [122], CauwelaertDMS16 [121], DejemeppeCS15 [147]
Gérard Verfaillie	3	119	HebrardHJMPV16 [231], VerfaillieL01 [508], BensanaLV99 [79]
Arnaldo Vieira Moura	3	47	LopesCSM10 [339], MouraSCL08 [371], MouraSCL08a [370]
Mateu Villaret	3	11	BofillCSV17 [90], BofillGSV15 [92], BofillEGPSV14 [91]
Daniel Walkiewicz	3	0	LacknerMMWW23 [310], WinterMMW22 [531], LacknerMMWW21 [309]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Nic Wilson	3	27	BeckW07 [62], BeckW05 [61], BeckW04 [60]
Pascal Yim	3	8	KorbaaYG00 [288], LopezAKYG00 [340], KorbaaYG99 [287]
Alessandro Zanmarini	3	25	AstrandJZ20 [28], AstrandJZ18 [27], BonfiettiZLM16 [100]
Luis Zeballos	3	35	ZeballosQH10 [547], ZeballosH05 [546], QuirogaZH05 [425]
Laurence A. Wolsey	2	50	HoundjiSWD14 [259], SadykovW06 [435]
Valentin Antuori	2	3	AntuoriHHEN21 [15], AntuoriHHEN20 [14]
Eddie Armstrong	2	1	ArmstrongGOS22 [19], ArmstrongGOS21 [18]
Amelia Badica	2	4	BadicaBI20 [29], BadicaBIL19 [30]
Costin Badica	2	4	BadicaBI20 [29], BadicaBIL19 [30]
Pierre Baptiste	2	13	BoucherBVBL97 [103], BaptisteLV92 [40]
Nicolas Barnier	2	0	WangB23 [525], WangB20 [524]
Ondrej Benedikt	2	3	BenediktMH20 [75], BenediktSMVH18 [76]
Davide Bertozzi	2	27	RuggieroBBMA09 [432], BeniniBGM06 [77]
Jean-Charles Billaut	2	23	BillautHL12 [83], LorigeonBB02 [341]
Jacek Blazewicz	2	985	BlazewiczEP19 [85], BlazewiczLK83 [86]
Andrea Borghesi	2	23	BorghesiBLMB18 [102], BartoliniBBLM14 [49]
Dario Canut-de-Bon	2	1	YuraszeckMCCR23 [543], YuraszeckMC23 [541]
Amedeo Cesta	2	13	OddiPCC03 [394], CestaOS98 [124]
Elvin Coban	2	12	CireCH13 [128], CobanH10 [130]
Yves Colombani	2	9	HeipckeCCS00 [242], Colombani96 [135]
Joseph D. Scott	2	13	KameugneFSN14 [275], KameugneFSN11 [274]
Rina Dechter	2	889	FrostD98 [182], DechterMP91 [145]
Mauro Dell’Amico	2	2	MontemanniD23 [368], MontemanniD23a [367]
Minh Do	2	3	TranWDRFOVB16 [499], TranDRFWOVB16 [494]
Hani El Sakkout	2	82	KamarainenS02 [270], SakkoutW00 [436]
Abdallah Elkhyari	2	10	ElkhyariGJ02 [162], ElkhyariGJ02a [163]
Tamer Eren	2	1	GurPAE23 [220], GurEA19 [560]
Siham Essodaigui	2	3	AntuoriHHEN21 [15], AntuoriHHEN20 [14]
Caroline Even	2	3	EvenSH15 [166], EvenSH15a [167]
Minhaz F. Zibran	2	43	ZibranR11 [557], ZibranR11a [558]
Azadeh Farsi	2	25	FarsiTM22 [172], MokhtarzadehTNF20 [364]
Dominique Feillet	2	19	Acuna-AgostMFG09 [5], ArtiguesBF04 [21]
Maurizio Gabbrielli	2	10	LiuCGM17 [328], FalaschiGMP97 [169]
Michel Gamache	2	0	AalianPG23 [1], CampeauG22 [113]
Marc Garcia	2	10	BofillGSV15 [92], BofillEGPSV14 [91]
Antonio Garrido	2	27	GarridoAO09 [185], GarridoOS08 [186]
Eleanor Gilbert Rieffel	2	3	TranWDRFOVB16 [499], TranDRFWOVB16 [494]
Vincent Gingras	2	1	KameugneFGOQ18 [272], GingrasQ16 [200]
Arthur Godet	2	1	Godet21a [202], GodetLHS20 [203]
Adrian Goldwaser	2	8	GoldwaserS18 [207], GoldwaserS17 [206]
Arnaud Gotlieb	2	9	MossigeGSMC17 [369], AlesioNBG14 [154]
Lucas Groleaz	2	4	GroleazNS20 [216], GroleazNS20a [215]
Christelle Gu��ret	2	10	ElkhyariGJ02 [162], ElkhyariGJ02a [163]
Andy Ham	2	0	HamPK21 [223], Ham18 [222]
Vil��m Heinz	2	5	abs-2305-19888 [241], HeinzNVH22 [240]
Seyed Hossein Hashemi Doulabi	2	59	DoulabiRP16 [159], DoulabiRP14 [158]
Laurent Houssin	2	0	JuvinHHL23 [268], JuvinHL23 [269]
Georgiana Ifrim	2	12	GrimesIOS14 [214], IfrimOS12 [261]
Mirjana Ivanovic	2	4	BadicaBI20 [29], BadicaBIL19 [30]
Carla Juvin	2	0	JuvinHHL23 [268], JuvinHL23 [269]
Chanchal K. Roy	2	43	ZibranR11 [557], ZibranR11a [558]
Lucas Kletzander	2	1	GeibingerKKMMW21 [192], KletzanderM17 [284]
Rainer Kolisch	2	844	PohlAK22 [413], KolischS97 [286]
Jan Kristof Behrens	2	12	BehrensLM19 [65], abs-1901-07914 [66]
Wen-Yang Ku	2	128	KuB16 [301], HeinzKB13 [236]

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Author	Nr Works	Nr Cites	Entries
Michelle L. Blom	2	35	BlomPS16 [88], BlomBPS14 [87]
Marie-Louise Lackner	2	0	LacknerMMWW23 [310], LacknerMMWW21 [309]
Arnaud Lallouet	2	0	PerezGSL23 [407], abs-2312-13682 [408]
Evelina Lamma	2	12	LammaMM97 [312], BrusoniCLMMT96 [110]
Ralph Lange	2	12	BehrensLM19 [65], abs-1901-07914 [66]
Bruno Legeard	2	13	BoucherBVBL97 [103], BaptisteLV92 [40]
Michel Lemaitre	2	110	VerfaillieL01 [508], BensanaLV99 [79]
BoonPing Lim	2	6	LimHTB16 [322], LimBTBB15 [323]
Kamol Limtanyakul	2	6	LimtanyakulS12 [325], Limtanyakul07 [324]
Nir Lipovetzky	2	0	BurtLPS15 [111], LipovetzkyBPS14 [326]
James Little	2	30	KrogtLPHJ07 [505], Darby-DowmanLMZ97 [138]
Shixin Liu	2	0	LiFJZLL22 [319], ZhangJZL22 [548]
Xavier Lorca	2	29	GodetLHS20 [203], HermenierDL11 [245]
Abid M. Malik	2	15	Malik08 [352], MalikMB08 [353]
Gilles Madi-Wamba	2	1	Madi-WambaLOBM17 [348], Madi-WambaB16 [347]
Adrien Maillard	2	9	HebrardALLCMR22 [230], HebrardHJMPV16 [231]
Masoumeh Mansouri	2	12	BehrensLM19 [65], abs-1901-07914 [66]
Gonzalo Mejía	2	25	YuraszekMC23 [541], MejiaY20 [358]
Paola Mello	2	12	LammaMM97 [312], BrusoniCLMMT96 [110]
Philippe Michelon	2	25	Acuna-AgostMFG09 [5], LiessM08 [320]
Mahdi Mokhtarzadeh	2	25	FarsiTM22 [172], MokhtarzadehTNF20 [364]
Roberto Montemanni	2	2	MontemanniD23 [368], MontemanniD23a [367]
Christoph Mrkvicka	2	0	LacknerMMWW23 [310], LacknerMMWW21 [309]
István Módos	2	3	BenediktMH20 [75], BenediktSMVH18 [76]
Samba Ndojh Ndiaye	2	4	GroleazNS20 [216], GroleazNS20a [215]
Yochou Ngo-Kateu	2	13	KameugneFSN14 [275], KameugneFSN11 [274]
Alain Nguyen	2	3	AntuoriHHEN21 [15], AntuoriHHEN20 [14]
Su Nguyen	2	0	abs-2402-00459 [383], abs-2211-14492 [466]
Antonín Novák	2	5	abs-2305-19888 [241], HeinzNVH22 [240]
Bryan O’Gorman	2	3	TranWDRFOVB16 [499], TranDRFWOVB16 [494]
Angelo Oddi	2	13	OddiPCC03 [394], CestaOS98 [124]
Eva Onaíndia	2	27	GarridoAO09 [185], GarridoOS08 [186]
Carla P. Gomes	2	0	HoeveGSL07 [506], GomesHS06 [209]
Laure Pauline Fotso	2	13	KameugneFSN14 [275], KameugneFSN11 [274]
Guillaume Perez	2	0	PerezGSL23 [407], abs-2312-13682 [408]
Enrico Pontelli	2	0	TardivoDFMP23 [474], VillaverdeP04 [519]
Oscar Quiroga	2	35	ZeballosQH10 [547], QuirogaZH05 [425]
Günther R. Raidl	2	14	FrohnerTR19 [181], RendlPHPR12 [426]
Levi R. Abreu	2	0	PrataAN23 [420], AbreuPNF23 [3]
Philippe Refalo	2	46	GarganiR07 [184], BeckR03 [59]
Francesca Rossi	2	29	GelainPRVW17 [197], BartakSR10 [47]
Martino Ruggiero	2	27	BeniniLMR11 [78], RuggieroBBMA09 [432]
Marcelo S. Nagano	2	0	PrataAN23 [420], AbreuPNF23 [3]
Ruslan Sadykov	2	56	SadykovW06 [435], Sadykov04 [434]
Konstantin Schekotihin	2	0	TasselGS23 [475], abs-2306-05747 [476]
Gunnar Schrader	2	12	WolfS05 [533], SchuttWS05 [449]
Christian Schulte	2	5	WessenCS20 [529], FrimodigS19 [180]
Bart Selman	2	0	HoeveGSL07 [506], GomesHS06 [209]
Wijnand Suijlen	2	0	PerezGSL23 [407], abs-2312-13682 [408]
Yuan Sun	2	0	abs-2402-00459 [383], abs-2211-14492 [466]
Andreas T. Ernst	2	13	abs-2211-14492 [466], ThiruvadyBME09 [483]
Reza Tavakkoli-Moghaddam	2	25	Mehdizadeh-Somarin23 [357], MokhtarzadehTNF20 [364]
Clémentin Tayou Djámégni	2	0	KameugneFND23 [273], FetgoD22 [174]
Erich Teppan	2	3	abs-2102-08778 [132], FriedrichFMRSS14 [179]
Alexander Tesch	2	9	Tesch18 [482], Tesch16 [481]

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Author	Nr Works	Nr Cites	Entries
Sylvie Thiébaux	2	6	LimHTB16 [322], LimBTBB15 [323]
Behdin Vahedi Nouri	2	25	Mehdizadeh-Somarin23 [357], MokhtarzadehTNF20 [364]
Christophe Varnier	2	13	BoucherBVBL97 [103], BaptisteLV92 [40]
Davide Venturelli	2	3	TranWDRFOVB16 [499], TranDRFWOVB16 [494]
Ruixin Wang	2	0	WangB23 [525], WangB20 [524]
Zhihui Wang	2	3	TranWDRFOVB16 [499], TranDRFWOVB16 [494]
Jean-Paul Watson	2	57	BeckFW11 [55], WatsonB08 [528]
Christine Wei Wu	2	42	WuBB09 [536], WuBB05 [535]
Christophe Wolinski	2	19	WolinskiKG04 [534], KuchcinskiW03 [302]
Farouk Yalaoui	2	3	OujanaAYB22 [399], ArbaouiY18 [17]
Neil Yorke-Smith	2	5	EfthymiouY23 [161], WallaceY20 [523]
Ziyan Zhao	2	0	LiFJZLL22 [319], ZhangJZL22 [548]
Jiayang Zhou	2	24	Zhou97 [554], Zhou96 [553]
Willem-Jan van Hoeve	2	50	GilesH16 [199], GoelSHFS15 [204]
Menkes van den Briel	2	6	LimHTB16 [322], LimBTBB15 [323]
Peter van Beek	2	16	BegB13 [64], MalikMB08 [353]
Jans, Raf	1	59	Jans09 [264]
Florian A. Herzog	1	2	KoehlerBFFHPSSS21 [285]
J. A. Hoogeveen	1	2	AkkerDH07 [503]
M. A. Hakim Newton	1	0	RiahiNS018 [427]
Viktoria A. Hauder	1	0	abs-1902-09244 [228]
Amr A. Kandil	1	24	TangLWSK18 [473]
Antonio A. Márquez	1	7	ValleMGTO3 [502]
Kennedy A. G. Araújo	1	0	AbreuAPNM21 [141]
Steve A. Chien	1	0	HebrardALLCMR22 [230]
Sheila A. McIlraith	1	0	LuoVLBM16 [345]
Mehmet A. Begen	1	0	NaderiBZ22 [377]
Younes Aalian	1	0	AalianPG23 [1]
Hanaa Abohashima	1	1	AbohashimaEG21 [2]
Montserrat Abril	1	0	AbrilSB05 [4]
Rodrigo Acuna-Agost	1	3	Acuna-AgostMFG09 [5]
Joseph Adams	1	1054	AdamsBZ88 [6]
W. Adelman	1	17	EscobetPQPRA19 [165]
Michael Affenzeller	1	0	abs-1902-09244 [228]
Abderrahmane Aggoun	1	187	AggounB93 [7]
Penélope Aguiar-Melgarejo	1	14	MelgarejoLS15 [8]
Sanjay Ahire	1	0	KanetAG04 [276]
Aftab Ahmed Shaikh	1	0	ShaikhK23 [451]
Uwe Aickelin	1	0	abs-2211-14492 [466]
Ali Akbar Sadat Asl	1	55	ZarandiASC20 [545]
Mohsen Akbarpour Shirazi	1	28	ZarandiKS16 [544]
Arianna Alfieri	1	0	AlfieriGPS23 [11]
S. Ali Torabi	1	0	FarsiTM22 [172]
Samira Alizdeh	1	1	AlizdehS20 [12]
Hassane Alla	1	0	LopezAKYG00 [340]
Lionel Amodeo	1	1	OujanaAYB22 [399]
Schutt, Andreas	1	3	SchuttFSW15 [446]
Alexandru Andrei	1	9	RuggieroBBMA09 [432]
Ola Angelsmark	1	1	AngelsmarkJ00 [13]
Richard Anthony Valenzano	1	0	LuoVLBM16 [345]
M. Anton Ertl	1	14	ErtlK91 [164]
Zbigniew Antoni Banaszak	1	0	BocewiczBB09 [89]
David Applegate	1	536	ApplegateC91 [16]
Marlene Arangú	1	5	GarridoAO09 [185]
Arthur Araujo	1	72	TranAB16 [492]

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Author	Nr Works	Nr Cites	Entries
Taha Arbaoui	1	2	ArbaouiY18 [17]
Martin Aronsson	1	0	AronssonBK09 [20]
M. Arslan Ornek	1	31	OzturkTHO13 [400]
Konstantin Artiouchine	1	3	ArtiouchineB05 [24]
Arezo Atighehchian	1	0	YounespourAKE19 [538]
Abdullah Ayub Khan	1	0	ShaikhK23 [451]
Emrah B. Edis	1	5	EdisO11 [160]
Amr B. Eltawil	1	1	AbohashimaEG21 [2]
Maya B. Gokhale	1	0	WolinskiKG04 [534]
David B. H. Tay	1	0	Tay92 [477]
Özalp Babaoglu	1	1	GalleguillosKSB19 [183]
Irena Bach	1	0	BocewiczBB09 [89]
Astrid Bachelu	1	0	BoucherBVBL97 [103]
Scott Backhaus	1	4	LimBTBB15 [323]
Naderi, Bahman	1	2	NaderiRR23 [378]
Egon Balas	1	1054	AdamsBZ88 [6]
Hari Balasubramanian	1	9	ShinBBHO18 [454]
Viet Bang Nguyen	1	0	LauLN08 [313]
Federico Barber	1	0	AbrilSB05 [4]
Ada Barlatt	1	1	BarlattCG08 [41]
Mohammadreza Barzegaran	1	0	BarzegaranZP20 [50]
Virginie Basini	1	8	Polo-MejiaALB20 [414]
Ralph Becket	1	344	NethercoteSBBDT07 [382]
Andreas Beham	1	0	abs-1902-09244 [228]
N Beldiceanu	1	167	BeldiceanuC94 [67]
Said Belhadji	1	3	BelhadjiI98 [72]
Sana Belmokhtar	1	16	ArtiguesBF04 [21]
Fatima Benbouzid-Si Tayeb	1	0	TouatBT22 [490]
Till Bender	1	1	BenderWS21 [73]
Belaïd Benhamou	1	0	TouatBT22 [490]
Hachemi Bennaceur	1	8	KhemmoudjPB06 [281]
E. Bensana	1	99	BensanaLV99 [79]
Russell Bent	1	4	LimBTBB15 [323]
Timo Berthold	1	28	BertholdHLS10 [80]
Christian Bessiere	1	1	BessiereHMQW14 [81]
Julien Bidot	1	58	BidotVLB09 [82]
Arthur Bit-Monnot	1	0	Bit-Monnot23 [84]
Christian Blum	1	13	ThiruvadyBME09 [483]
Grzegorz Bocewicz	1	0	BocewiczBB09 [89]
Markus Bohlin	1	0	AronssonBK09 [20]
Nicolas Bonifas	1	3	BaptisteB18 [35]
Eric Boucher	1	0	BoucherBVBL97 [103]
Raphaël Boudreault	1	0	BoudreaultSLQ22 [104]
Jean-Louis Bouquard	1	22	LorigeonBB02 [341]
Eric Bourreau	1	4	BourreauGGLT22 [105]
Sebastian Brand	1	344	NethercoteSBBDT07 [382]
Silvia Breiting	1	0	BreitingL95 [106]
Kristen Brent Venable	1	1	GelainPRVW17 [197]
Dirk Briskorn	1	577	HartmannB10 [227]
D. Brodart	1	1	OujanaAYB22 [399]
Peter Brucker	1	990	BruckerDMNP99 [109]
Yuriy Brun	1	9	ShinBBHO18 [454]
Vittorio Brusoni	1	1	BrusoniCLMMT96 [110]
Josef Bürgler	1	2	KoehlerBFFHPSSS21 [285]
Cristina C. B. Cavalcante	1	5	HeipckeCCS00 [242]

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Author	Nr Works	Nr Cites	Entries
Lionel C. Briand	1	3	AlesioNBG14 [154]
Eugene C. Freuder	1	0	CarchraeBF05 [116]
Kevin C. Furman	1	48	GoelSHFS15 [204]
Joseph C. Pemberton	1	26	PembertonG98 [406]
Hendrik C. R. Lock	1	0	BreitingerL95 [106]
Eray Cakici	1	50	HamC16 [224]
Louis-Pierre Campeau	1	0	CampeauG22 [113]
Tom Carchrae	1	0	CarchraeBF05 [116]
Cid Carvalho de Souza	1	31	LopesCSM10 [339]
Yves Caseau	1	0	Caseau97 [120]
Oscar Castillo	1	55	ZarandiASC20 [545]
Yao-Ting Chang	1	2	HoYCLLC18 [247]
Nicolas Chapados	1	5	ChapadosJR11 [125]
Mohammad Cherkaoui	1	0	FallahiAC20 [170]
Han-Mo Chiu	1	2	HoYCLLC18 [247]
Yeonjun Choi	1	0	KimCMLLP23 [282]
Yingyi Chu	1	13	ChuX05 [127]
Sue-Min Chu	1	2	HoYCLLC18 [247]
Hoong Chuin Lau	1	0	LauLN08 [313]
Michael Codish	1	127	OhrimenkoSC09 [395]
Carleton Coffrin	1	14	SchausHMCMD11 [437]
Eldan Cohen	1	1	CohenHB17 [131]
Jordi Coll Caballero	1	0	Caballero23 [112]
Jordi Coll	1	1	BofillCSV17 [90]
Luca Console	1	1	BrusoniCLMMT96 [110]
E Contejean	1	167	BeldiceanuC94 [67]
William Cook	1	536	ApplegateC91 [16]
Trijntje Cornelissens	1	17	SimonisC95 [462]
Gabriella Cortellessa	1	8	OddiPCC03 [394]
Nicolás Cuneo	1	0	YuraszeckMCCR23 [543]
Alain Côté	1	0	PopovicCGNC22 [415]
Kenneth D. Young	1	6	YoungFS17 [539]
Laurent D. Michel	1	3	FontaineMH16 [176]
Steven D. Prestwich	1	6	RossiTHP07 [431]
Michael D. Moffitt	1	0	MoffittPP05 [363]
Emilie Danna	1	21	DannaP03 [137]
Ken Darby-Dowman	1	28	Darby-DowmanLMZ97 [138]
Vivian De Smedt	1	7	GaySS14 [190]
Alexis De Clercq	1	3	ClercqPBJ11 [129]
Carmelo Del Valle	1	7	ValleMGT03 [502]
Xavier Delorme	1	0	RodriguezDG02 [429]
Alain Demeure	1	0	JourdanFRD94 [266]
Emir Demirovic	1	4	DemirovicS18 [150]
Roberto Di Cosmo	1	0	LiuCGM17 [328]
Guido Diepen	1	2	AkkerDH07 [503]
Bistra Dilkina	1	2	DilkinaDH05 [155]
Mehmet Dincbas	1	86	DincbasSH90 [156]
Grégoire Dooms	1	1	DoomsH08 [157]
Agostino Dovier	1	0	TardivoDFMP23 [474]
Andreas Drexl	1	990	BruckerDMNP99 [109]
Yuquan Du	1	27	QinDCS20 [423]
Lei Duan	1	2	DilkinaDH05 [155]
Alexandre Duarte de Almeida	1	0	Lemos21 [315]
Lemos			
Didier Dubois	1	13	FortinZDF05 [177]

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Author	Nr Works	Nr Cites	Entries
Pierre Dupont	1	0	MonetteDD07 [365]
David Duvivier	1	36	WangMD15 [526]
Kyle E. C. Booth	1	21	BoothNB16 [101]
Marco E. Lübbecke	1	28	BertholdHLMS10 [80]
Andrew E. Santosa	1	0	ZhuS02 [556]
Martha E. Pollack	1	0	MoffittPP05 [363]
Nikolaos Efthymiou	1	0	EfthymiouY23 [161]
Gokhan Egilmez	1	43	GedikKEK18 [191]
Péter Egri	1	2	KovacsEKV05 [293]
Nizar El Hachemi	1	32	HachemiGR11 [221]
Ghada El Khayat	1	84	KhayatLR06 [280]
Abdellah El Fallahi	1	0	FallahiAC20 [170]
Sebastian Engell	1	3	KlankeBYE21 [283]
Eyüp Ensar Isik	1	0	IsikYA23 [262]
Teresa Escobet	1	17	EscobetPQPRA19 [165]
Joan Espasa	1	3	BofillEGPSV14 [91]
Stephen F. Smith	1	5	CestaOS98 [124]
Michael F. Gorman	1	0	KanetAG04 [276]
Jacques F. Benders	1	2583	Benders62 [74]
Mohd Fadlee A. Rasid	1	0	AkramNHRS23 [9]
François Fages	1	0	JourdanFRD94 [266]
Hamed Fahimi	1	2	FahimiOQ18 [168]
Moreno Falaschi	1	10	FalaschiGMP97 [169]
Huali Fan	1	18	FanXG21 [171]
Hélène Fargier	1	13	FortinZDF05 [177]
Soroush Fatemi-Anaraki	1	0	Fatemi-AnarakiMFN22 [173]
Filippo Focacci	1	0	FocacciLN00 [175]
Daniel Fontaine	1	3	FontaineMH16 [176]
Urs Fontana	1	2	KoehlerBFFHPSSS21 [285]
Andrea Formisano	1	0	TardivoDFMP23 [474]
Jérôme Fortin	1	13	FortinZDF05 [177]
Mehdi Foumani	1	0	Fatemi-AnarakiMFN22 [173]
Gerhard Friedrich	1	3	FriedrichFMRSS14 [179]
Sara Frimodig	1	3	FrimodigS19 [180]
Nikolaus Frohner	1	0	FrohnerTR19 [181]
Daniel Frost	1	10	FrostD98 [182]
Melanie Frühstück	1	3	FriedrichFMRSS14 [179]
Jun Fu	1	0	LiFJZLL22 [319]
Etienne Fux	1	2	KoehlerBFFHPSSS21 [285]
Ernesto G. Birgin	1	30	LunardiBLRV20 [343]
Mohamed Gaha	1	0	PopovicCGNC22 [415]
Flavius Galiber III	1	26	PembertonG98 [406]
Cristian Galleguillos	1	1	GalleguillosKSB19 [183]
Xavier Gandibleux	1	0	RodriguezDG02 [429]
Graeme Gange	1	6	He0GLW18 [229]
Thierry Garaix	1	4	BourreauGGLT22 [105]
Maria Garcia de la Banda	1	24	BandaSC11 [144]
Antoine Gargani	1	17	GarganiR07 [184]
Serge Gaspers	1	0	ChuGNSW13 [126]
Jonathan Gaudreault	1	2	Mercier-AubinGQ20 [362]
Ridvan Gedik	1	43	GedikKEK18 [191]
Marc Geitz	1	0	GeitzGSSW22 [196]
Mirco Gelain	1	1	GelainPRVW17 [197]
Michel Gendreau	1	32	HachemiGR11 [221]
Wing-Yue Geoffrey Louie	1	16	LouieVNB14 [342]

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Author	Nr Works	Nr Cites	Entries
Marcus Gerhard Müller	1	17	MullerMKP22 [372]
Patrick Gerhards	1	0	HubnerGSV21 [260]
Ulrich Geske	1	2	Geske05 [198]
Katherine Giles	1	2	GilesH16 [199]
Gaël Glorian	1	0	PerezGSL23 [407]
Gael Glorian	1	0	abs-2312-13682 [408]
Daniel Godard	1	0	GodardLN05 [201]
Vikas Goel	1	48	GoelSHFS15 [204]
Mark Goh	1	18	FanXG21 [171]
Hans-Joachim Goltz	1	7	Goltz95 [208]
Matthieu Gondran	1	4	BourreauGGTL22 [105]
Cristian Grozea	1	0	GeitzGSSW22 [196]
Flavius Gruian	1	5	GruianK98 [217]
Alessio Guerri	1	18	BeniniBGM06 [77]
Serigne Gueye	1	3	Acuna-AgostMFG09 [5]
Ying Guo	1	0	ZhouGL15 [555]
Şeyda Gür	1	0	GurEA19 [560]
Burak Gökgür	1	31	GokgurHO18 [205]
Seyda Gür	1	1	GurPAE23 [220]
Fehmi H'Mida	1	11	TrojetHL11 [500]
Rolf H. Möhring	1	28	BertholdHMLS10 [80]
John H. Drake	1	41	PourDERB18 [416]
M. H. Fazel Zarandi	1	28	ZarandiKS16 [544]
Klaus H. Ecker	1	38	BlazewiczEP19 [85]
Emile H. L. Aarts	1	0	NuijtenA94 [392]
A. H. G. Rinnooy Kan	1	947	BlazewiczLK83 [86]
Claire Hanen	1	1	HanenKP21 [225]
Jiang Hang Chen	1	27	QinDCS20 [423]
Sue Hanhilammi	1	2	KrogtLPHJ07 [505]
Mohamed Haouari	1	3	LahimerLH11 [311]
Iiro Harjunoski	1	169	HarjunoskiG02 [226]
Sönke Hartmann	1	577	HartmannB10 [227]
Fazirulhisyam Hashim	1	0	AkramNHRSA23 [9]
Shan He	1	6	He0GLW18 [229]
Ivan Heckman	1	0	HeckmanB11 [234]
Susanne Heipcke	1	5	HeipckeCCS00 [242]
Fabien Hermenier	1	28	HermenierDL11 [245]
Gerhard Hiermann	1	14	RendlPHPR12 [426]
Alessandro Hill	1	0	HillTV21 [246]
Te-Wei Ho	1	2	HoYCLLC18 [247]
Petra Hofstedt	1	1	LiuLH19 [327]
Mohammad Hossein Fazel Zarandi	1	55	ZarandiASC20 [545]
John Hou	1	1	DavenportKRSH07 [140]
Guoyu Huang	1	1	CohenHB17 [131]
Felix Hübner	1	0	HubnerGSV21 [260]
Amar Isli	1	3	BelhadjiI98 [72]
Mustafa Ismael Salman	1	0	AkramNHRSA23 [9]
Fernando J. M. Marcellino	1	0	SerraNM12 [450]
Leon J. Osterweil	1	9	ShinBBHO18 [454]
H. J. Kim	1	12	SureshMOK06 [468]
John J. Kanet	1	0	KanetAG04 [276]
Colin J. Layfield	1	0	Layfield02 [314]
Andrew J. Mason	1	5	Mason01 [356]
Gregory J. Duck	1	344	NethercoteSBBDT07 [382]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Vipul Jain	1	279	JainG01 [263]
Jean Jaubert	1	0	PraletLJ15 [419]
Jan Jelinek	1	0	JelinekB16 [265]
Yingjun Ji	1	0	ZhangJZL22 [548]
Zixi Jia	1	0	LiFJZLL22 [319]
Yunfei Jiang	1	0	LiuJ06 [329]
Yue Jin	1	2	KrogtLPHJ07 [505]
Marc Joliveau	1	5	ChapadosJR11 [125]
Peter Jonsson	1	1	AngelsmarkJ00 [13]
Jean Jourdan	1	0	JourdanFRD94 [266]
Nicolas Jozefowicz	1	9	HebrardHJMPV16 [231]
Jae-Yoon Jung	1	1	ParkUJR19 [405]
Pascal Jungblut	1	0	JungblutK22 [267]
T. K. Satish Kumar	1	4	Kumar03 [303]
Edmund K. Burke	1	41	PourDERB18 [416]
Mustafa K. Dogru	1	8	TerekhovDOB12 [479]
T. K. Feng	1	43	BeckFW11 [55]
Jayant Kalagnanam	1	1	DavenportKRSH07 [140]
Darshan Kalathia	1	43	GedikKEK18 [191]
Olli Kamarainen	1	9	KamarainenS02 [270]
Nor Kamariah Noordin	1	0	AkramNHRSA23 [9]
Jan Karel Lenstra	1	947	BlazewiczLK83 [86]
Czerniachowska, Kateryna	1	0	CzerniachowskaWZ23 [136]
Elena Kelareva	1	16	KelarevaTK13 [277]
Jan Kelbel	1	12	KelbelH11 [278]
H. Khorshidian	1	28	ZarandiKS16 [544]
Kamran Kianfar	1	0	YounespourAKE19 [538]
Philip Kilby	1	16	KelarevaTK13 [277]
Dongyun Kim	1	0	KimCMLLP23 [282]
Emre Kirac	1	43	GedikKEK18 [191]
Zeynep Kiziltan	1	1	GalleguillosKSB19 [183]
Christian Klanke	1	3	KlankeBYE21 [283]
Jana Koehler	1	2	KoehlerBFFHPSSS21 [285]
Wolfgang Kohlenbrein	1	0	KovacsTKSG21 [297]
Sebastian Kosch	1	4	KoschB14 [289]
Benjamin Kovács	1	0	KovacsTKSG21 [297]
Matthias Krainz	1	0	GeibingerKKMMW21 [192]
Andreas Krall	1	14	ErtlK91 [164]
Dieter Kranzlmüller	1	0	JungblutK22 [267]
Dominik Kress	1	17	MullerMKP22 [372]
Per Kreuger	1	0	AronssonBK09 [20]
Żywicki, Krzysztof	1	0	CzerniachowskaWZ23 [136]
Mustafa Küçük	1	0	KucukY19 [304]
Elif Kürklü	1	4	FrankK05 [178]
András Kéri	1	1	KeriK07 [279]
Michael L. Pinedo	1	0	KimCMLLP23 [282]
Hassan L. Hijazi	1	2	LimHTB16 [322]
Philip L. Henneman	1	9	ShinBBHO18 [454]
Yiqing L. Luo	1	0	LuoB22 [346]
Philippe Lacomme	1	4	BourreauGGTL22 [105]
Daniel Lafond	1	0	BoudreaultSLQ22 [104]
Asma Lahimer	1	3	LahimerLH11 [311]
Feipei Lai	1	2	HoYCLLC18 [247]
Jui-Fen Lai	1	2	HoYCLLC18 [247]
André Langevin	1	84	KhayatLR06 [280]

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Author	Nr Works	Nr Cites	Entries
Christophe Lecoutre	1	20	GayHLS15 [187]
Myungho Lee	1	0	KimCMLLP23 [282]
Kangbok Lee	1	0	KimCMLLP23 [282]
Solange Lemai-Chenevier	1	0	PraletLJ15 [419]
Xingyang Li	1	0	LiFJZLL22 [319]
Siyi Li	1	0	LiFJZLL22 [319]
Xiaodong Li	1	0	abs-2211-14492 [466]
Guipeng Li	1	0	ZhouGL15 [555]
Hong Li	1	4	SunLYL10 [467]
Nan Li	1	4	SunLYL10 [467]
Yunbo Li	1	1	Madi-WambaLOBM17 [348]
Heyse Li	1	8	TranPZLDB18 [495]
Yi Li	1	0	LuoVLBM16 [345]
Wan-Chung Liao	1	2	HoYCLLC18 [247]
Ariel Liebman	1	6	He0GLW18 [229]
Olivier Liess	1	22	LiessM08 [320]
Andrew Lim	1	5	LimRX04 [321]
Tong Liu	1	0	LiuCGM17 [328]
Lingxuan Liu	1	12	QinWSLS21 [422]
Ke Liu	1	1	LiuLH19 [327]
Rengkui Liu	1	24	TangLWSK18 [473]
Yuechang Liu	1	0	LiuJ06 [329]
Giovanni Lo Bianco	1	0	ZhangBB22 [549]
Doina Logofatu	1	2	BadicaBIL19 [30]
Thomas Lorigeon	1	22	LorigeonBB02 [341]
Roy Luo	1	0	LuoVLBM16 [345]
Arnaud Lussion	1	0	HebrardALLCMR22 [230]
Chang Lv	1	100	MengZRZL20 [360]
Zhimin Lv	1	1	ZhangLS12 [552]
Sven Löffler	1	1	LiuLH19 [327]
J. M. van den Akker	1	2	AkkerDH07 [503]
Abdulrahman M. Abdulghani	1	0	AkramNHRS23 [9]
O. M. Alade	1	0	abs-1902-01193 [10]
Shahrzad M. Pour	1	41	PourDERB18 [416]
Franco M. Novara	1	18	NovaraNH16 [387]
Rafael M. Gasca	1	7	ValleMGTO3 [502]
Jose M. Framinan	1	0	AbreuPNF23 [3]
Andy M. Ham	1	50	HamC16 [224]
Rolf Möhring	1	990	BruckerDMNP99 [109]
Jun Ma	1	1	MakMS10 [349]
Amy Mainville Cohn	1	1	BarlattCG08 [41]
Kai-Ling Mak	1	1	MakMS10 [349]
V. Mani	1	12	SureshMOK06 [468]
Oscar Manzano	1	1	MurphyMB15 [374]
Kourosh Marjani Rasmussen	1	41	PourDERB18 [416]
Wallace, Mark G.	1	3	SchuttFSW15 [446]
Kim Marriott	1	10	FalaschiGMP97 [169]
Fae Martin	1	11	MartinPY01 [355]
Jacopo Mauro	1	0	LiuCGM17 [328]
Jim McInnes	1	15	MalikMB08 [353]
Zahra Mehdizadeh-Somarin	1	0	Mehdizadeh-Somarin23 [357]
Haci Mehmet Alakas	1	1	GurPAE23 [220]
Haci Mehmet Alakas	1	0	GurEA19 [560]
Itay Meiri	1	879	DechterMP91 [145]
Sebastian Meiswinkel	1	0	WinterMMW22 [531]

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Author	Nr Works	Nr Cites	Entries
Gonzalo Mejía	1	0	YuraszekMPV22 [542]
Hein Meling	1	6	MossigeGSMC17 [369]
Julien Menana	1	0	Menana11 [359]
Jean-Marc Menaud	1	1	Madi-WambaLOBM17 [348]
Leilei Meng	1	100	MengZRZL20 [360]
Luc Mercier	1	32	MercierH08 [361]
Alexandre Mercier-Aubin	1	2	Mercier-AubinGQ20 [362]
Vera Mersheeva	1	3	FriedrichFMRST14 [179]
Nadine Meskens	1	36	WangMD15 [526]
Bernd Meyer	1	13	ThiruvadyBME09 [483]
Kyung Min Kim	1	0	HamPK21 [223]
Gautam Mitra	1	28	Darby-DowmanLMZ97 [138]
Elizabeth Montero	1	0	YuraszekMCCR23 [543]
Kyungduk Moon	1	0	KimCMLLP23 [282]
Morten Mossige	1	6	MossigeGSMC17 [369]
Alix Munier Kordon	1	1	HanenKP21 [225]
Stanislav Murín	1	2	MurinR19 [373]
Nicola Muscettola	1	14	Muscettola02 [375]
David Müller	1	17	MullerMKP22 [372]
András Márkus	1	2	VanczaM01 [507]
Marc-André Ménard	1	1	BessiereHMQW14 [81]
T. N. Wong	1	6	ZhangYW21 [550]
Sophie N. Parragh	1	0	abs-1902-09244 [228]
S. N. Omkar	1	12	SureshMOK06 [468]
Bahman Naderi	1	0	NaderiBZ22 [377]
Nina Narodytska	1	0	ChuGNSW13 [126]
Shiva Nejati	1	3	AlesioNBG14 [154]
Nicholas Nethercote	1	344	NethercoteSBBDT07 [382]
Klaus Neumann	1	990	BruckerDMNP99 [109]
Franklin Nguemouo	1	0	PopovicCGNC22 [415]
Gilberto Nishioka	1	0	SerraNM12 [450]
Thierry Noulamo	1	0	KameugneFND23 [273]
Jari Nurmi	1	2	QuSN06 [424]
A. O. Amusat	1	0	abs-1902-01193 [10]
Ceyda Oguz	1	5	EdisO11 [160]
Olga Ohrimenko	1	127	OhrimenkoSC09 [395]
Bilal Omar Akram	1	0	AkramNHRSA23 [9]
Mirza Omer Beg	1	1	BegB13 [64]
Anne-Cécile Orgerie	1	1	Madi-WambaLOBM17 [348]
Gregor Ottosson	1	317	HookerO03 [256]
Mohand Ou Idir Khemmoudj	1	8	KhemmoudjPB06 [281]
Pierre Ouellet	1	12	OuelletQ13 [396]
Soukaina Oujana	1	1	OujanaAYB22 [399]
Asma Ouled Bedhief	1	0	Bedhief21 [63]
Irem Ozkarahan	1	46	TopalogluO11 [488]
Débora P. Ronconi	1	30	LunardiBLRV20 [343]
Edward P. K. Tsang	1	1	Tsang03 [501]
W. P. M. Nuijten	1	0	NuijtenA94 [392]
Meghana Padmanabhan	1	8	TranPZLDB18 [495]
Miquel Palahí	1	3	BofillEGPSV14 [91]
Catuscia Palamidessi	1	10	FalaschiGMP97 [169]
Pere Palà-Schönwälder	1	17	EscobetPQPRA19 [165]
Vaibhav Pandey	1	3	PandeyS21a [401]
Hoonseok Park	1	1	ParkUJR19 [405]
Myoung-Ju Park	1	0	HamPK21 [223]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Erica Pastore	1	0	AlfieriGPS23 [11]
Judea Pearl	1	879	DechterMP91 [145]
Theo Pedersen	1	1	HanenKP21 [225]
Bart Peintner	1	0	MoffittPP05 [363]
Jordi Pereira	1	0	YuraszeckMPV22 [542]
Laurent Perron	1	21	DannaP03 [137]
Stuckey, Peter J.	1	3	SchuttFSW15 [446]
Mehmet Pinarbasi	1	1	GurPAE23 [220]
Arthur Pinkney	1	11	MartinPY01 [355]
David Pisinger	1	2	SacramentoSP20 [433]
Maximilian Pohl	1	4	PohlAK22 [413]
Nicola Policella	1	8	OddiPCC03 [394]
Oliver Polo-Mejía	1	8	Polo-MejiaALB20 [414]
Paul Pop	1	0	BarzegaranZP20 [50]
Louis Popovic	1	0	PopovicCGNC22 [415]
Marc Porcheron	1	8	KhemmoudjPB06 [281]
Marc Pouly	1	2	KoehlerBFFHPSSS21 [285]
Guillaume Pováda	1	0	PovedaAA23 [417]
Matthias Prandtstetter	1	14	RendlPHPR12 [426]
Patrick Prosser	1	0	BeckPS03 [58]
Jakob Puchinger	1	14	RendlPHPR12 [426]
Jean-Francois Puget	1	6	Puget95 [421]
Vicenç Puig	1	17	EscobetPQPRA19 [165]
Kenneth Pulliam	1	2	KrogtLPHJ07 [505]
Kenny Qili Zhu	1	0	ZhuS02 [556]
Ming Qin	1	12	QinWSLS21 [422]
Tianbao Qin	1	27	QinDCS20 [423]
Yang Qu	1	2	QuSN06 [424]
Yuchen Quan	1	2	ShiYXQ22 [453]
Joseba Quevedo	1	17	EscobetPQPRA19 [165]
Alain Quilliot	1	0	ArtiguesHQT21 [22]
Dominik R. Bleidorn	1	3	KlankeBYE21 [283]
Aliza R. Heching	1	10	HechingH16 [233]
Gregg R. Rabideau	1	0	HebrardALLCMR22 [230]
Wichniarek, Radosław	1	0	CzerniachowskaWZ23 [136]
Sebastian Raggl	1	0	abs-1902-09244 [228]
Vinasétan Ratheil Houndji	1	5	HoundjiSWD14 [259]
Chandra Reddy	1	1	DavenportKRSH07 [140]
Yaping Ren	1	100	MengZRZL20 [360]
Andrea Rendl	1	14	RendlPHPR12 [426]
Hamid Reza Feyzmahdavian	1	2	Astrand0F21 [26]
Vahid Riahi	1	0	RiahiNS018 [427]
Diane Riopel	1	84	KhayatLR06 [280]
Gregory Rix	1	1	PesantRR15 [409]
Robert Rodosek	1	19	RodosekW98 [428]
Brian Rodrigues	1	5	LimRX04 [321]
Joaquín Rodríguez	1	117	Rodríguez07 [430]
Joaquín Rodríguez	1	0	RodríguezDG02 [429]
Jerome Rogerie	1	148	LaborieRSV18 [308]
Mohammad Rohaninejad	1	0	Mehdizadeh-Somarin23 [357]
Maximiliano Rojel	1	0	YuraszeckMCCR23 [543]
Juli Romera	1	17	EscobetPQPRA19 [165]
Roberto Rossi	1	6	RossiTHP07 [431]
François Roubellat	1	84	ArtiguesR00 [23]
Stéphanie Roussel	1	0	SquillaciPR23 [464]

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Author	Nr Works	Nr Cites	Entries
Didier Rozzonelli	1	0	JourdanFRD94 [266]
Ruiz, Rubén	1	2	NaderiRR23 [378]
Hana Rudová	1	2	MurinR19 [373]
Martin Ruskowski	1	1	ParkUJR19 [405]
Anna Ryabokon	1	3	FriedrichFMRSS14 [179]
William S. Havens	1	2	DilkinaDH05 [155]
Mohamed S. Gheith	1	1	AbohashimaEG21 [2]
Erlendur S. Thorsteinsson	1	67	Thorsteinsson01 [485]
David Sacramento	1	2	SacramentoSP20 [433]
Shahram Saeidi	1	1	AlizdehS20 [12]
Poonam Saini	1	3	PandeyS21a [401]
Fabio Salassa	1	0	AlfieriGPS23 [11]
Sophia Saller	1	2	KoehlerBFFHPSSS21 [285]
Anastasia Salyaeva	1	2	KoehlerBFFHPSSS21 [285]
Maria Sander	1	3	FriedrichFMRSS14 [179]
Eric Sanlaville	1	7	PoderBS04 [412]
Óscar Sapena	1	22	GarridoOS08 [186]
Özge Satir Akpunar	1	0	IsikYA23 [262]
Abdul Sattar	1	0	RiahiNS018 [427]
Peter Scheiblechner	1	2	KoehlerBFFHPSSS21 [285]
Klaus Schild	1	23	SchildW00 [438]
Thomas Schlechte	1	10	HeinzSSW12 [237]
Thorsten Schmidt	1	1	BenderWS21 [73]
Günter Schmidt	1	38	BlazewiczEP19 [85]
Philipp Schrott-Kostwein	1	0	KovacsTKSG21 [297]
Uwe Schwiegelshohn	1	4	LimtanyakulS12 [325]
Lena Secher Ejlersen	1	41	PourDERB18 [416]
Evgeny Selensky	1	0	BeckPS03 [58]
Thiago Serra	1	0	SerraNM12 [450]
Mei Sha	1	27	QinDCS20 [423]
Yufen Shao	1	48	GoelSHFS15 [204]
Ganquan Shi	1	2	ShiYXQ22 [453]
Zhongshun Shi	1	12	QinWSLS21 [422]
Leyuan Shi	1	12	QinWSLS21 [422]
Stuart Siegel	1	1	DavenportKRSH07 [140]
Maria Silvia Pini	1	1	GelainPRVW17 [197]
Vanessa Simard	1	0	BoudreaultSLQ22 [104]
Pawel Sitek	1	0	WikarekS19 [530]
M. Slusky	1	48	GoelSHFS15 [204]
Juha-Pekka Soininen	1	2	QuSN06 [424]
Xiaoqing Song	1	1	ZhangLS12 [552]
Shahabeddin Sotudian	1	55	ZarandiASC20 [545]
Francis Sourd	1	7	SourdN00 [463]
Helge Spieker	1	6	MossigeGSMC17 [369]
Arno Sprecher	1	840	KolischS97 [286]
Samuel Squillaci	1	0	SquillaciPR23 [464]
Andreas Starzacher	1	3	FriedrichFMRSS14 [179]
Wolfgang Steigerwald	1	0	GeitzGSSW22 [196]
Rüdiger Stephan	1	10	HeinzSSW12 [237]
Malgorzata Sterna	1	38	BlazewiczEP19 [85]
Robin Stöhr	1	0	GeitzGSSW22 [196]
Christian Stürck	1	0	HubnerGSV21 [260]
Kaile Su	1	0	RiahiNS018 [427]
Wei Su	1	1	MakMS10 [349]
Kemal Subulan	1	5	SubulanC22 [465]

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Author	Nr Works	Nr Cites	Entries
Premysl Sucha	1	2	BenediktSMVH18 [76]
Quanxin Sun	1	24	TangLWSK18 [473]
Zheng Sun	1	4	SunLYL10 [467]
Suresh Sundaram	1	12	SureshMOK06 [468]
Pavel Surynek	1	2	BartakCS10 [45]
Jiri Svancara	1	0	SvancaraB22 [469]
Ria Szeredi	1	9	SzerediS16 [470]
Alina Sirbu	1	1	GalleguillosKSB19 [183]
Christos T. Maravelias	1	15	MaraveliasG04 [354]
Willian T. Lunardi	1	30	LunardiBLRV20 [343]
Guido Tack	1	344	NethercoteSBBDT07 [382]
Eric Taillard	1	1568	Taillard93 [471]
Siyu Tang	1	7	VlkHT21 [520]
Yuanjie Tang	1	24	TangLWSK18 [473]
Fabio Tardivo	1	0	TardivoDFMP23 [474]
Armagan Tarim	1	6	RossiTHP07 [431]
Ehsan Tarkesh Esfahani	1	0	YounespourAKE19 [538]
Reza Tavakkoli-Moghaddam	1	0	Fatemi-AnarakiMFN22 [173]
Nikolay Tehernev	1	4	BourreauGGLT22 [105]
Paolo Terenziani	1	1	BrusoniCLMMT96 [110]
Willian Tessaro Lunardi	1	0	Lunardi20 [344]
Stephan Teuschl	1	0	FrohnerTR19 [181]
Feydy, Thibaut	1	3	SchuttFSW15 [446]
Charles Thomas	1	6	CappartTSR18 [115]
Jordan Ticktin	1	0	HillTV21 [246]
Kevin Tierney	1	16	KelarevaTK13 [277]
Christian Timpe	1	42	Timpe02 [486]
Mary Tom	1	0	Tom19 [487]
Seyda Topaloglu	1	46	TopalogluO11 [488]
Miguel Toro	1	7	ValleMGTO3 [502]
Philippe Torres	1	26	TorresL00 [489]
Meriem Touat	1	0	TouatBT22 [490]
Touraivane	1	2	Touraivane95 [491]
Hélène Toussaint	1	0	ArtiguesHQT21 [22]
Mariem Trojet	1	11	TrojetHL11 [500]
Semra Tunali	1	31	OzturkTHO13 [400]
Paul Tyler	1	0	HebrardTW05 [232]
Jumyung Um	1	1	ParkUJR19 [405]
J. V. Moccellini	1	0	AbreuAPNM21 [141]
Behdin Vahedi-Nouri	1	0	Fatemi-AnarakiMFN22 [173]
Roshanaei, Vahid	1	2	NaderiRR23 [378]
Sasha Van Cauwelaert	1	2	CauwelaertDS20 [123]
Thierry Vidal	1	58	BidotVLB09 [82]
Karen Villaverde	1	0	VillaverdeP04 [519]
Mariona Vilà	1	0	YuraszeckMPV22 [542]
Rebekka Volk	1	0	HubnerGSV21 [260]
Holger Voos	1	30	LunardiBLRV20 [343]
Thomas W. M. Vossen	1	0	HillTV21 [246]
Kai Waelti	1	2	KoehlerBFFHPSSS21 [285]
Runsun Wang	1	12	QinWSLS21 [422]
Futian Wang	1	24	TangLWSK18 [473]
Shouyang Wang	1	49	ZhangW18 [551]
Tao Wang	1	36	WangMD15 [526]
Ezra Wari	1	11	WariZ19 [527]
Jan Weglarz	1	38	BlazewiczEP19 [85]

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Author	Nr Works	Nr Cites	Entries
Kong Wei Lye	1	0	LauLN08 [313]
Johan Wessén	1	2	WessenCS20 [529]
Jaroslav Wikarek	1	0	WikarekS19 [530]
Campbell Wilson	1	6	He0GLW18 [229]
Michael Winkler	1	10	HeinzSSW12 [237]
David Wittwer	1	1	BenderWS21 [73]
Jörg Würtz	1	23	SchildW00 [438]
Quanshi Xia	1	13	ChuX05 [127]
Hegen Xiong	1	18	FanXG21 [171]
Zhou Xu	1	5	LimRX04 [321]
Yang Xu	1	2	ShiYXQ22 [453]
Tanya Y. Tang	1	6	TangB20 [472]
El Yaakoubi Anass	1	0	FallahiAC20 [170]
Hong Yan	1	8	HookerY02 [258]
Moli Yang	1	1	YangSS19 [537]
Zhouwang Yang	1	2	ShiYXQ22 [453]
Jia-Sheng Yao	1	2	HoYCLLC18 [247]
Min Yao	1	4	SunLYL10 [467]
Seung Yeob Shin	1	9	ShinBBHO18 [454]
Vassilios Yfantis	1	3	KlankeBYE21 [283]
Maryam Younespour	1	0	YounespourAKE19 [538]
Chunxia Yu	1	6	ZhangYW21 [550]
Xinghuo Yu	1	11	MartinPY01 [355]
Oleg Yu. Gusikhin	1	1	BarlattCG08 [41]
Peter Yun Zhang	1	8	TranPZLDB18 [495]
Pinar Yunusoglu	1	20	YunusogluY22 [540]
Marco Zaffalon	1	28	Darby-DowmanLMZ97 [138]
Stéphane Zampelli	1	3	DerrienPZ14 [153]
Bahram Zarrin	1	0	BarzegaranZP20 [50]
Daniel Zawack	1	1054	AdamsBZ88 [6]
Mengjie Zhang	1	0	abs-2402-00459 [383]
Haotian Zhang	1	0	ZhangJZL22 [548]
Luping Zhang	1	6	ZhangYW21 [550]
Chaoyong Zhang	1	100	MengZRZL20 [360]
Biao Zhang	1	100	MengZRZL20 [360]
Sicheng Zhang	1	49	ZhangW18 [551]
Xujun Zhang	1	1	ZhangLS12 [552]
Lihui Zhang	1	0	ZouZ20 [559]
Jiachen Zhang	1	0	ZhangBB22 [549]
Guoqing Zhang	1	0	NaderiBZ22 [377]
Jinlian Zhou	1	0	ZhouGL15 [555]
Weihang Zhu	1	11	WariZ19 [527]
Pawel Zielinski	1	13	FortinZDF05 [177]
Jürgen Zimmermann	1	25	KreterSSZ18 [300]
Xin Zou	1	0	ZouZ20 [559]
Mathijs de Weerdt	1	1	BogaerdtW19 [504]
Bruno de Athayde Prata	1	0	AbreuAPNM21 [141]
Roman van der Krogt	1	2	KrogtLPHJ07 [505]
Pim van den Bogaerdt	1	1	BogaerdtW19 [504]
Stefano Di Alesio	1	3	AlesioNBG14 [154]
Ulas Özen	1	8	TerekhovDOB12 [479]
Selin Özpeynirci	1	31	GokgurHO18 [205]
Cemalettin Öztürk	1	31	OzturkTHO13 [400]
Nahum Álvarez	1	0	PovedaAA23 [417]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Seán Óg Murphy	1	1	MurphyMB15 [374]
Gizem Çakir	1	5	SubulanC22 [465]

5 Problem Classification

Table 9: 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

6 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.

6.1 Concept Type Concepts

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	Allen's algebra			DechterMP91 [145]
Concepts	BOM	SubulanC22 [465]		abs-1902-01193 [10]
Concepts	activity	TardivoDFMP23 [474], AalianPG23 [1], PovedaAA23 [417], TouatBT22 [490], CampeauG22 [113], SubulanC22 [465], SvancaraB22 [469], BenderWS21 [73], KlankeBYE21 [283], HubnerGSV21 [260], Astrand21 [25], Godet21a [202], BadicaBI20 [29], ZouZ20 [559], ZarandiASC20 [545], Polo-MejiaALB20 [414], AstrandJZ20 [28], CauwelaertDS20 [123], BadicaBIL19 [30], abs-1902-09244 [228], abs-1911-04766 [193], GeibingerMM19 [194], MurinR19 [373], YounespourAKE19 [538], LaborieRSV18 [308], GokgurHO18 [205], BorghesiBLMB18 [102], TangLWSK18 [473], MusliuSS18 [376]... (Total: 143)	YuraszeckMCCR23 [543], Bit-Monnot23 [84], BoudreaultSLQ22 [104], PopovicCGNC22 [415], LunardiBLRV20 [343], Lunardi20 [344], YangSS19 [537], EscobetPQPRA19 [165], Novas19 [388], ShinBBHO18 [454], SchuttS16 [447], TranWDRFOVB16 [499], BoothNB16 [101], VilimLS15 [518], Derrien15 [151], GoelSHFS15 [204], DoulabiRP14 [158], LombardiM13 [338], BonfiettiM12 [99], ChapadosJR11 [125], ZibranR11 [557], SchuttFSW09 [442], PoderB08 [411], GarridoOS08 [186], KrogtLPHJ07 [505], Simonis07 [461], KhayatLR06 [280], Geske05 [198], MoffittPP05 [363]... (Total: 36)	PrataAN23 [420], CzerniachowskaWZ23 [136], ShaikhK23 [451], abs-2312-13682 [408], SquillaciPR23 [464], abs-2305-19888 [241], PerezGSL23 [407], HeinzNVH22 [240], PohlAK22 [413], abs-2211-14492 [466], HebrardALLCMR22 [230], OuelletQ22 [398], MullerMKP22 [372], YunusogluY22 [540], ZhangYW21 [550], HillTV21 [246], GeibingerMM21 [195], PandeyS21a [401], Astrand0F21 [26], QinDCS20 [423], Mercier-AubinGQ20 [362], SacramentoSP20 [433], NishikawaSTT19 [386], abs-1902-01193 [10], Tom19 [487], GalleguillosKSB19 [183], CauwelaertLS18 [122], NishikawaSTT18 [384], NishikawaSTT18a [385]... (Total: 77)
Concepts	batch process	LacknerMMWW23 [310], LacknerMMWW21 [309], QinWSLS21 [422], ZarandiASC20 [545], NovaraNH16 [387], KoschB14 [289], Malapert11 [350]	TangB20 [472], NovasH10 [389], Vilim02 [509], SimonisC95 [462]	PrataAN23 [420], IsikYA23 [262], YuraszeckMCCR23 [543], YunusogluY22 [540], MullerMKP22 [372], SvancaraB22 [469], OujanaAYB22 [399], LuoB22 [346], LiFJZLL22 [319], ColT22 [134], AbreuN22 [142], GeitzGSSW22 [196], FanXG21 [171], ZhangYW21 [550], KlankeBYE21 [283], Lunardi20 [344], MengZRZL20 [360], CauwelaertDS20 [123], EscobetPQPRA19 [165], Ham18 [222], FahimiOQ18 [168], LaborieRSV18 [308], CauwelaertDMS16 [121], Dejemeppe16 [146], GrimesH10 [210], Simonis07 [461], VilimBC05 [517], ArtiguesBF04 [21], Vilim04 [511]
Concepts	bill of material			Simonis07 [461]
Concepts	buffer-capacity		SureshMOK06 [468]	LiFJZLL22 [319], OujanaAYB22 [399], RiahiNS018 [427], BonfiettiLBM14 [96], NovasH14 [391], TerekhovTDB14 [480], ZeballosH05 [546]
Concepts	cmax	JuvinHHL23 [268], YuraszeckMCCR23 [543], AbreuNP23 [143], YuraszeckMC23 [541], KameugneFND23 [273], NaderiRRR23 [378], abs-2305-19888 [241], IsikYA23 [262], YunusogluY22 [540], FetgoD22 [174], ZhangBB22 [549], AbreuN22 [142], abs-2211-14492 [466], Godet21a [202], QinWSLS21 [422], AbohashimaEG21 [2], ArmstrongGOS21 [18], Polo-MejiaALB20 [414], QinDCS20 [423], MejiaY20 [358], MengZRZL20 [360], GodetLHS20 [203], Lunardi20 [344], WikarekS19 [530], YounespourAKE19 [538], MalapertN19 [351], Ham18 [222], GedikKEK18 [191], KameugneFGOQ18 [272]... (Total: 46)	Mehdizadeh-Somarin23 [357], BoudreaultSLQ22 [104], MullerMKP22 [372], ArmstrongGOS22 [19], HamPK21 [223], AbreuAPNM21 [141], ParkUJR19 [405], Novas19 [388], ArbaouiY18 [17], WangMD15 [526], ZhouGL15 [555], ZhangLS12 [552], BeckFW11 [55], BartakSR10 [47], MoffittPP05 [363], Muscettola02 [375], ArtiguesR00 [23], SourdN00 [463], BlazewiczLK83 [86]	JuvinHL23 [269], Teppan22 [478], ZhangYW21 [550], HanenKP21 [225], HubnerGSV21 [260], ZarandiASC20 [545], GokgurHO18 [205], LiuCGM17 [328], BofillCSV17 [90], SialaAH15 [457], KoschB14 [289], SchuttFSW13 [445], GuSW12 [219], abs-1009-0347 [443], WatsonB08 [528], LiessM08 [320], AkkerDH07 [503], KeriK07 [279], KhayatLR06 [280], Laborie03 [305], BaptisteP00 [38], FocacciLN00 [175]

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	completion-time	PrataAN23 [420], JuvinHL23 [269], AbreuNP23 [143], Mehdizadeh-Somarin23 [357], AlfieriGPS23 [11], NaderiRR23 [378], KameugneFND23 [273], YuraszeckMPV22 [542], AbreuN22 [142], YunusogluY22 [540], SubulanC22 [465], OuelletQ22 [398], NaderiBZ22 [377], FetgoD22 [174], KlankeBYE21 [283], Astrand21 [25], Bedhief21 [63], ArmstrongGOS21 [18], MejiaY20 [358], LunardiBLRV20 [343], QinDCS20 [423], ZarandiASC20 [545], Lunardi20 [344], CauwelaertDS20 [123], YunespourAKE19 [538], FahimiOQ18 [168], RiahiNS018 [427], ZhangW18 [551], ArbaouiY18 [17]... (Total: 63)	CzerniachowskaWZ23 [136], abs-2305-19888 [241], MullerMKP22 [372], ColT22 [134], Teppan22 [478], ZhangBB22 [549], TouatBT22 [490], OujanaAYB22 [399], HeinzNVH22 [240], abs-2211-14492 [466], LiFJZLL22 [319], AbreuAPNM21 [141], HanenKP21 [225], FanXG21 [171], GeibingerMM21 [195], QinWSLS21 [422], NattafM20 [381], Mercier-AubinGQ20 [362], Polo-MejiaALB20 [414], YangSS19 [537], abs-1902-09244 [228], BogaerdTW19 [504], abs-1911-04766 [193], MalapertN19 [351], GeibingerMM19 [194], ParkUJR19 [405], Ham18 [222], OuelletQ18 [397], KreterSS17 [299]... (Total: 57)	abs-2402-00459 [383], TasselGS23 [475], MontemanniD23a [367], AkramNHRSa23 [9], IsikYA23 [262], abs-2306-05747 [476], PerezGSL23 [407], JuvinHHL23 [268], FarsiTM22 [172], PopovicCGNC22 [415], PohlAK22 [413], GeitzGSSW22 [196], CampeauG22 [113], ZhangJZL22 [548], WinterMMW22 [531], ArmstrongGOS22 [19], HubnerGSV21 [260], VlKHT21 [520], Godet21a [202], PandeyS21a [401], HamPK21 [223], WessenCS20 [529], BadicaBI20 [29], MengZRZL20 [360], MokhtarzadehTNF20 [364], AntuoriHHEN20 [14], GodetLHS20 [203], SacramentoSP20 [433], ZouZ20 [559]... (Total: 91)
Concepts	continuous-process			FarsiTM22 [172], Dejemeppe16 [146], GaySS14 [190], Bartak02 [43], SimonisC95 [462], Benders62 [74]
Concepts	distributed	PrataAN23 [420], NaderiRR23 [378], ZarandiASC20 [545], MengZRZL20 [360], He0GLW18 [229], TranPZLDB18 [495], BridiLBBM16 [108], BridiBLMB16 [107], ZhouGL15 [555], TerekhovTDB14 [480], BonfiettiLM14 [98], BartakS11 [46], BartakSR10 [47], RuggieroBBMA09 [432], HoeveGSL07 [506], RossiTHP07 [431], BeckW07 [62], SureshMOK06 [468], GomesHS06 [209], Geske05 [198], BeckW04 [60], Beck99 [51], LammaMM97 [312]	IsikYA23 [262], ShaikhK23 [451], AbreuNP23 [143], OujanaAYB22 [399], JungblutK22 [267], AbreuN22 [142], YuraszeckMPV22 [542], Godet21a [202], AbreuAPNM21 [141], MokhtarzadehTNF20 [364], ZouZ20 [559], NishikawaSTT19 [386], BorghesiBLMB18 [102], ZhangW18 [551], ZarandiKS16 [544], AlesioNBG14 [154], TranTDB13 [496], BegB13 [64], HermenierDL11 [245], LopesCSM10 [339], Lombardi10 [330], SunLYL10 [467], BeniniBGM06 [77], ZhuS02 [556], SchildW00 [438], Wallace96 [522]	YuraszeckMC23 [541], KimCMLLP23 [282], Bit-Monnot23 [84], AlfieriGPS23 [11], MontemanniD23 [368], abs-2305-19888 [241], SquillaciPR23 [464], GurPAE23 [220], AkramNHRSa23 [9], abs-2211-14492 [466], NaderiBZ22 [377], ZhangBB22 [549], HeinzNVH22 [240], TouatBT22 [490], BoudreaultSLQ22 [104], Teppan22 [478], ColT22 [134], LiFJZLL22 [319], FarsiTM22 [172], WinterMMW22 [531], HamPK21 [223], Astrand21 [25], GeibingerKKMMW21 [192], PandeyS21a [401], FanXG21 [171], BenderWS21 [73], Lemos21 [315], KovacsTKSG21 [297], ZhangYW21 [550]... (Total: 113)
Concepts	due-date	OujanaAYB22 [399], ColT22 [134], NaderiBZ22 [377], FanXG21 [171], AntuoriHHEN21 [15], Lunardi20 [344], AntuoriHHEN20 [14], ZarandiASC20 [545], TangB20 [472], Mercier-AubinGQ20 [362], abs-1902-09244 [228], Novas19 [388], abs-1911-04766 [193], GoldwaserS18 [207], Tesch18 [482], GoldwaserS17 [206], Dejemeppe16 [146], NovaraNH16 [387], BajestaniB15 [33], DoulabiRP14 [158], KoschB14 [289], HoundjiSWD14 [259], BajestaniB13 [32], LimtanyakulS12 [325], KelbelH11 [278], BajestaniB11 [31], NovasH10 [389], ZeballosQH10 [547], BartakSR10 [47]... (Total: 42)	PrataAN23 [420], LacknerMMWW23 [310], IsikYA23 [262], NaderiRR23 [378], YunusogluY22 [540], abs-2211-14492 [466], WinterMMW22 [531], Godet21a [202], LacknerMMWW21 [309], GeibingerMM21 [195], GroleazNS20a [215], GeibingerMM19 [194], FahimiOQ18 [168], ZarandiKS16 [544], GrimesIOS14 [214], HeinzSB13 [239], GrimesH11 [211], Malapert11 [350], LombardiM10a [334], MakMS10 [349], Lombardi10 [330], SchuttW10 [448], Davenport10 [139], ThiruvadyBME09 [483], abs-0907-0939 [410], MouraSCL08a [370], Limtanyakul07 [324], SadykovW06 [435], Hooker05a [251]... (Total: 38)	abs-2402-00459 [383], YuraszeckMC23 [541], KimCMLLP23 [282], JuvinHHL23 [268], ZhangJZL22 [548], SubulanC22 [465], TouatBT22 [490], YuraszeckMPV22 [542], MullerMKP22 [372], Astrand21 [25], KlankeBYE21 [283], HubnerGSV21 [260], Bedhief21 [63], KovacsTKSG21 [297], VlKHT21 [520], HanenKP21 [225], LunardiBLRV20 [343], MejiaY20 [358], Polo-MejiaALB20 [414], GroleazNS20 [216], AstrandJZ20 [28], ParkUJR19 [405], EscobetPQPRA19 [165], GokgurHO18 [205], GedikKEK18 [191], LaborieRSV18 [308], Laborie18a [307], Ham18 [222], Pralet17 [418]... (Total: 72)
Concepts	earliness	PrataAN23 [420], KimCMLLP23 [282], TouatBT22 [490], PohlAK22 [413], ZarandiASC20 [545], abs-1902-09244 [228], LaborieRSV18 [308], Dejemeppe16 [146], ZarandiKS16 [544], LombardiM12 [337], KelbelH11 [278], GrimesH11 [211], Laborie09 [306], MonetteDH09 [366], KeriK07 [279], DannaP03 [137], BeckR03 [59]	FarsiTM22 [172], MengZRZL20 [360], KovacsB11 [292], Davenport10 [139]	abs-2402-00459 [383], NaderiRR23 [378], AbreuNP23 [143], IsikYA23 [262], AlfieriGPS23 [11], LacknerMMWW23 [310], YunusogluY22 [540], FanXG21 [171], LacknerMMWW21 [309], Polo-MejiaALB20 [414], Mercier-AubinGQ20 [362], ColT19 [133], GokgurHO18 [205], ZhangW18 [551], NovaraNH16 [387], Siala15a [456], VilimLS15 [518], LimBTBB15 [323], SialaAH15 [457], BajestaniB13 [32], HeinzB12 [235], EdisO11 [160], KovacsK11 [294], ZeballosQH10 [547], NovasH10 [389], KovacsB07 [290], KovacsV06 [296], GodardLN05 [201], QuirogaZH05 [425]... (Total: 34)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	flow-shop	PrataAN23 [420], CzerniachowskaWZ23 [136], NaderiRR23 [378], AlfieriGPS23 [11], IsikYA23 [262], JuvinHL23 [269], AbreuNP23 [143], ArmstrongGOS22 [19], OujanaAYB22 [399], ColT22 [134], ZhangJZL22 [548], AbreuN22 [142], LiFJZLL22 [319], Astrand21 [25], QinWSLS21 [422], ArmstrongGOS21 [18], Bedhief21 [63], AbreuAPNM21 [141], ZarandiASC20 [545], MengZRZL20 [360], Lunardi20 [344], AstrandJJ20 [28], Novas19 [388], ParkUJR19 [405], ZhangW18 [551], ZhouGL15 [555], BajestaniB15 [33], TerekhovTDB14 [480], Malapert11 [350]... (Total: 32)	Mehdizadeh-Somarin23 [357], NaderiBZ22 [377], YuraszeckMPV22 [542], Godet21a [202], KoehlerBFFHPSSS21 [285], FanXG21 [171], TangB20 [472], abs-1902-09244 [228], LaborieRSV18 [308], Dejemeppe16 [146], GrimesH11 [211], KovacsB11 [292], BartakSR10 [47], AggounB93 [7], BlazewiczLK83 [86]	TasselGS23 [475], AalianPG23 [1], YuraszeckMCCR23 [543], abs-2305-19888 [241], JuvinHHL23 [268], abs-2306-05747 [476], abs-2211-14492 [466], TouatBT22 [490], HeinzNVH22 [240], Teppan22 [478], LacknerMMWW21 [309], HillTV21 [246], abs-2102-08778 [132], KovacsTKSG21 [297], PandeyS21a [401], HamPK21 [223], WallaceY20 [523], SacramentoSP20 [433], LunardiBLRV20 [343], WikarekS19 [530], RiahiNS018 [427], HookerH18 [257], GokgurHO18 [205], GoldwaserS18 [207], ZarandiKS16 [544], TranTDB13 [496], OzturkTHO13 [400], LombardiM12 [337], BillautHL12 [83]... (Total: 51)
Concepts	flow-time	YuraszeckMPV22 [542], FanXG21 [171], ZarandiASC20 [545], NattafM20 [381], MalapertN19 [351], ZhangW18 [551], TerekhovTDB14 [480], TranTDB13 [496]	PrataAN23 [420], AlfieriGPS23 [11], YunusogluY22 [540], Malapert11 [350], BeckW07 [62]	TasselGS23 [475], abs-2306-05747 [476], YuraszeckMC23 [541], YuraszeckMCCR23 [543], LiFJZLL22 [319], AbreuN22 [142], KoehlerBFFHPSSS21 [285], MengZRZL20 [360], ParkUJR19 [405], Novas19 [388], BajestaniB15 [33], KovacsB11 [292], EdisO11 [160], QuirogaZH05 [425], BeckPS03 [58], BeckR03 [59]
Concepts	inventory	SubulanC22 [465], Astrand21 [25], GilesH16 [199], GoelSHFS15 [204], SerraNM12 [450], LopesCSM10 [339], RossiTHP07 [431], Timpe02 [486], Beck99 [51], BeckDF97 [54]	ZarandiASC20 [545], Novas19 [388], BajestaniB13 [32], MakMS10 [349], LauLN08 [313], MouraSCL08a [370], DavenportKRSH07 [140], GarganiR07 [184], BeckF00 [57]	PrataAN23 [420], PerezGSL23 [407], abs-2312-13682 [408], AlfieriGPS23 [11], GurPAE23 [220], AbreuN22 [142], PohlAK22 [413], YunusogluY22 [540], HubnerGSV21 [260], KovacsTKSG21 [297], GroleazNS20a [215], GroleazNS20 [216], abs-1902-09244 [228], YounespourAKE19 [538], WikarekS19 [530], Ham18 [222], LaborieRSV18 [308], ShinBBHO18 [454], SchuttS16 [447], SimoninAHL15 [459], TerekhovTDB14 [480], HoundjiSWD14 [259], KelarevaTK13 [277], HeinzSSW12 [237], LombardiM12 [337], KelbelH11 [278], BajestaniB11 [31], Malapert11 [350], Lombardi10 [330]... (Total: 38)
Concepts	job	PrataAN23 [420], abs-2402-00459 [383], KimCMLLP23 [282], JuvinHHL23 [268], AlfieriGPS23 [11], YuraszeckMC23 [541], AbreuNP23 [143], IsikYA23 [262], WangB23 [525], LacknerMMWW23 [310], Bit-Monnot23 [84], CzerniachowskaWZ23 [136], abs-2306-05747 [476], NaderiRR23 [378], JuvinHL23 [269], TasselGS23 [475], Mehdizadeh-Somarin23 [357], YuraszeckMCCR23 [543], LiFJZLL22 [319], TouatBT22 [490], YunusogluY22 [540], GeitzGSSW22 [196], MullerMKP22 [372], WinterMMW22 [531], ArmstrongGOS22 [19], OujanaAYB22 [399], AbreuN22 [142], ZhangBB22 [549], ZhangJZL22 [548]... (Total: 214)	EfthymiouY23 [161], ShaikhK23 [451], abs-2305-19888 [241], HeinzNVH22 [240], BourreauGGLT22 [105], LuoB22 [346], HanenKP21 [225], Lemos21 [315], Mercier-AubinGQ20 [362], MokhtarzadehTNF20 [364], Tom19 [487], EscobetPQPRA19 [165], GurEA19 [560], PourDERB18 [416], CappartS17 [114], NattafAL17 [380], ZarandiKS16 [544], Madi-WambaB16 [347], TranWDRFOVB16 [499], LetortCB15 [318], Derrien15 [151], ZhouGL15 [555], PraletLJ15 [419], BonfiettiLBM14 [96], BonfiettiLM14 [98], ThiruvadyWGS14 [484], LombardiM12 [337], KovacsK11 [294], Rodriguez07 [430]... (Total: 44)	PovedaAA23 [417], CampeauG22 [113], PohlAK22 [413], KlankeBYE21 [283], HubnerGSV21 [260], AntuoriHHEN21 [15], BenderWS21 [73], WessenCS20 [529], AntuoriHHEN20 [14], QinDCS20 [423], Polo-MejiaALB20 [414], FrimodigS19 [180], CauwelaertLS18 [122], TangLWSK18 [473], HoYCLLC18 [247], BaptisteB18 [35], ShinBBHO18 [454], TranVNB17 [497], HechingH16 [233], NovaraNH16 [387], BurtLPS15 [111], WangMD15 [526], LimBTBB15 [323], BartakV15 [48], LombardiBM15 [331], MelgarejoLS15 [8], BessiereHMQW14 [81], DerrienPZ14 [153], KameugneFSN14 [275]... (Total: 73)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	job-shop	abs-2402-00459 [383], PrataAN23 [420], abs-2306-05747 [476], Mehdizadeh-Somarin23 [357], KimCMLLP23 [282], CzerniachowskaWZ23 [136], JuvinHHL23 [268], Bit-Monnot23 [84], NaderiRR23 [378], AbreuNP23 [143], YuraszeckMCCR23 [543], TasselGS23 [475], MullerMKP22 [372], Teppan22 [478], OujanaAYB22 [399], ZhangBB22 [549], abs-2211-14492 [466], YuraszeckMPV22 [542], LiFJZLL22 [319], GeitzGSSW22 [196], ColT22 [134], Astrand21 [25], HamPK21 [223], KovacsTKSG21 [297], abs-2102-08778 [132], AbreuAPNM21 [141], FanXG21 [171], ZhangYW21 [550], MengZRZL20 [360]... (Total: 104)	IsikYA23 [262], EfthymiouY23 [161], AlfieriGPS23 [11], NaderiBZ22 [377], TouatBT22 [490], YunusogluY22 [540], AbreuN22 [142], LuoB22 [346], QinWSLS21 [422], ArmstrongGOS21 [18], AstrandOF21 [26], KoehlerBFFHPSSS21 [285], Godet21a [202], GroleazNS20 [216], MejiaY20 [358], SacramentoSP20 [433], EscobetPQPRA19 [165], WikarekS19 [530], GokgurHO18 [205], MossigeGSMC17 [369], CappartS17 [114], Derrien15 [151], BonfiettiLM14 [98], GaySS14 [190], BonfiettiLBM14 [96], BajestaniB13 [32], LombardiM12 [337], Lombardi10 [330], AronssonBK09 [20]... (Total: 43)	ShaikhK23 [451], YuraszeckMC23 [541], PovedaAA23 [417], LacknerMMWW23 [310], JuvinHL23 [269], HanenKP21 [225], Lemos21 [315], KlankeBYE21 [283], AntuoriHHEN21 [15], BenediktMH20 [75], WessenCS20 [529], AntuoriHHEN20 [14], Mercier-AubinGQ20 [362], WallaceY20 [523], Tom19 [487], GurEA19 [560], FrimodigS19 [180], BogaerdtW19 [504], abs-1902-09244 [228], ParkUJR19 [405], BenediktSMVH18 [76], Ham18 [222], CauwelaertLS18 [122], TranWDRFOVB16 [499], TranDRFWOVB16 [494], LuoVLBM16 [345], ZarandiKS16 [544], PraletLJ15 [419], LimBTBB15 [323]... (Total: 81)
Concepts	lateness	FahimiOQ18 [168], Dejemeppe16 [146], KoschB14 [289], Malapert11 [350], BartakSR10 [47], Geske05 [198], ArtiguesR00 [23]	PrataAN23 [420], PohlAK22 [413], ZarandiASC20 [545], ZhangW18 [551], AkkerDH07 [503], Sadykov04 [434], BlazewiczLK83 [86]	LacknerMMWW23 [310], YunusogluY22 [540], NaderiBZ22 [377], ZhangBB22 [549], GeitzGSSW22 [196], ColT22 [134], KoehlerBFFHPSSS21 [285], HanenKP21 [225], QinWSLS21 [422], LacknerMMWW21 [309], Godet21a [202], Lunardi20 [344], Novas19 [388], ParkUJR19 [405], Tesch18 [482], BartakV15 [48], EdisO11 [160], NovasH10 [389], SadykovW06 [435], Bartak02 [43], CarlierP90 [118]
Concepts	lazy clause generation	KreterSS17 [299], Siala15a [456], KreterSS15 [298], SchuttFS13 [441], SchuttFSW13 [445], KelarevaTK13 [277], SchuttFS13a [440], SchuttFSW11 [444], abs-1009-0347 [443], OhrimenkoSC09 [395], SchuttFSW09 [442]	PovedaAA23 [417], Bit-Monnot23 [84], BoudreaultSLQ22 [104], GeitzGSSW22 [196], OuelletQ22 [398], FahimiOQ18 [168], SchuttS16 [447], SzerediS16 [470], SialaAH15 [457], BofillEGPSV14 [91], GuSS13 [218], SchuttCSW12 [439]	WangB23 [525], TardivoDFMP23 [474], KameugneFND23 [273], FetgoD22 [174], GeibingerMM21 [195], Godet21a [202], HillTV21 [246], GodetLHS20 [203], WallaceY20 [523], Mercier-AubinGQ20 [362], YangSS19 [537], BaptisteB18 [35], GoldwaserS18 [207], YoungFS17 [539], BofillCSV17 [90], GoldwaserS17 [206], PesantRR15 [409], GuSW12 [219], LombardiM12 [337], GrimesH11 [211], Lombardi10 [330], SchuttW10 [448]
Concepts	machine	abs-2402-00459 [383], PrataAN23 [420], IsikYA23 [262], CzerniachowskaWZ23 [136], YuraszeckMCCR23 [543], AbreuNP23 [143], NaderiRR23 [378], TasselGS23 [475], Mehdizadeh-Somarin23 [357], AalianPG23 [1], JuvinHL23 [269], PerezGSL23 [407], JuvinHHL23 [268], abs-2312-13682 [408], LacknerMMWW23 [310], EfthymiouY23 [161], abs-2306-05747 [476], AlfieriGPS23 [11], YuraszeckMC23 [541], abs-2305-19888 [241], KimCMLLP23 [282], LiFJZLL22 [319], ArmstrongGOS22 [19], JungblutK22 [267], abs-2211-14492 [466], GeitzGSSW22 [196], YuraszeckMPV22 [542], ZhangJZL22 [548], AbreuN22 [142]... (Total: 200)	Bit-Monnot23 [84], AkramNHRSA23 [9], GurPAE23 [220], LuoB22 [346], HillTV21 [246], KlankeBYE21 [283], Lemos21 [315], AbohashimaEG21 [2], AntuoriHHEN20 [14], Polo-MejiaALB20 [414], BehrensLM19 [65], GoldwaserS18 [207], BaptisteB18 [35], HeOGLW18 [229], Ham18 [222], ShinBBHO18 [454], MusliuSS18 [376], FahimiOQ18 [168], GoldwaserS17 [206], KreterSS17 [299], CohenHB17 [131], Pralet17 [418], BridiLBBM16 [108], SchuttS16 [447], CauwelaertDMS16 [121], ZarandiKS16 [544], TranWDRFOVB16 [499], SialaAH15 [457], DejemeppeCS15 [147]... (Total: 57)	KameugneFND23 [273], MontemanniD23 [368], ShaikhK23 [451], BoudreaultSLQ22 [104], PopovicCGNC22 [415], SubulanC22 [465], PohlAK22 [413], GeibingerMM21 [195], WallaceY20 [523], WangB20 [524], BarzegaranZP20 [50], Mercier-AubinGQ20 [362], YangSS19 [537], BadicaBIL19 [30], NishikawaSTT19 [386], Tom19 [487], YounespourAKE19 [538], HoYCLLC18 [247], PourDERB18 [416], Laborie18a [307], CauwelaertLS18 [122], BofillCSV17 [90], CappartS17 [114], TranVNB17 [497], TranVNB17a [498], KletzanderM17 [284], YoungFS17 [539], LiuCGM17 [328], LimHTB16 [322]... (Total: 109)
Concepts	make to order			OujanaAYB22 [399], DavenportKRSH07 [140], Simonis07 [461]
Concepts	make to stock			

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	make-span	PrataAN23 [420], JuvinHL23 [269], AbreuNP23 [143], EfthymiouY23 [161], PovedaAA23 [417], AlfieriGPS23 [11], abs-2305-19888 [241], NaderiRR23 [378], TasselGS23 [475], Bit-Monnot23 [84], abs-2306-05747 [476], AalianPG23 [1], CzerniachowskaWZ23 [136], LacknerMMWW23 [310], JuvinHHL23 [268], YuraszeckMC23 [541], IsikYA23 [262], Mehdizadeh-Somarin23 [357], HeinzNVH22 [240], AbreuN22 [142], GeitzGSSW22 [196], BoudreaultSLQ22 [104], YunusogluY22 [540], SubulanC22 [465], ArmstrongGOS22 [19], ZhangBB22 [549], TouatBT22 [490], ColT22 [134], FarsiTM22 [172]... (Total: 154)	YuraszeckMCCR23 [543], abs-2312-13682 [408], PerezGSL23 [407], KameugneFND23 [273], MullerMKP22 [372], SvancaraB22 [469], OujanaAYB22 [399], ZhangJZL22 [548], abs-2211-14492 [466], YuraszeckMPV22 [542], LiFJZLL22 [319], PandeyS21a [401], FanXG21 [171], QinDCS20 [423], AstrandJZ18 [27], KreterSS17 [299], YoungFS17 [539], BonfiettiZLM16 [100], GingrasQ16 [200], SialaAH15 [457], DejemeppeCS15 [147], GayHL15 [187], BajestaniB15 [33], BonfiettiLBM14 [96], ThiruvadyWGS14 [484], KameugneFSN14 [275], GuSS13 [218], LombardiM12 [337], BillautHL12 [83]... (Total: 46)	KimCMLLP23 [282], TardivoDFMP23 [474], Teppan22 [478], PopovicCGNC22 [415], CampeauG22 [113], JungblutK22 [267], FetgoD22 [174], NaderiBZ22 [377], HanenKP21 [225], KoehlerBFFHPSSS21 [285], HubnerGSV21 [260], Mercier-AubinGQ20 [362], TangB20 [472], NattafM20 [381], SacramentoSP20 [433], CauwelaertDS20 [123], NishikawaSTT19 [386], MurinR19 [373], abs-1911-04766 [193], BadicaBIL19 [30], Tom19 [487], GeibingerMM19 [194], NishikawaSTT18 [384], BorghesiBLMB18 [102], ArbaouiY18 [17], Ham18 [222], NishikawaSTT18a [385], OuelletQ18 [397], TranPZLDB18 [495]... (Total: 89)
Concepts	manpower	NovaraNH16 [387]	LaborieRSV18 [308]	BourreauGGLT22 [105], BadicaBI20 [29], MokhtarzadehTNF20 [364], WikarekS19 [530], BaptisteB18 [35], MusliuSS18 [376], SchuttS16 [447], HechingH16 [233], GayHS15a [189], GaySS14 [190], LombardiM12 [337], Menana11 [359], Vilim11 [515], NovasH10 [389], NuijtenP98 [393], SimonisC95 [462], Puget95 [421], abs-2402-00459 [383], Mehdizadeh-Somarin23 [357], SquillaciPR23 [464], AbreuAPNM21 [141], ZhangYW21 [550], MejiaY20 [358], WessenCS20 [529], WikarekS19 [530], BadicaBIL19 [30], ZhangW18 [551], HookerH18 [257], LimBTBB15 [323], KoschB14 [289], BartakS11 [46], GomesHS06 [209], AbrilSB05 [4], Beck99 [51], BeckF98 [56], Wallace96 [522]
Concepts	multi-agent	SvancaraB22 [469], ZarandiASC20 [545], BehrensLM19 [65], HeOGLW18 [229], HoeveGSL07 [506]	Lemos21 [315], MokhtarzadehTNF20 [364], abs-1901-07914 [66], TranVNB17 [497], LimHTB16 [322], BartakSR10 [47], BocewiczBB09 [89]	ColT22 [134], TouatBT22 [490], FanXG21 [171], Bedhief21 [63], Lunardi20 [344], MengZRZL20 [360], ParkUJR19 [405], TerekhovTDB14 [480], MonetteDD07 [365], BeckW07 [62], ArtiguesR00 [23], BlazewiczLK83 [86]
Concepts	no preempt			
Concepts	open-shop	PrataAN23 [420], Bit-Monnot23 [84], AbreuNP23 [143], NaderiRR23 [378], YuraszeckMPV22 [542], AbreuN22 [142], AbreuAPNM21 [141], ZarandiASC20 [545], MejiaY20 [358], Lunardi20 [344], FahimiOQ18 [168], Siala15a [456], Malapert11 [350], GrimesHM09 [213], OhrimenkoSC09 [395], MonetteDD07 [365], LorigeonBB02 [341], FocacciLN00 [175]	Godet21a [202], Astrand21 [25], SacramentoSP20 [433], MengZRZL20 [360], Dejemeppe16 [146], GrimesH10 [210], Vilim05 [512], Demasse03 [149], BlazewiczLK83 [86]	YuraszeckMCCR23 [543], YuraszeckMC23 [541], KimCMLLP23 [282], ShaikhK23 [451], NaderiBZ22 [377], OujanaAYB22 [399], ColT22 [134], AstrandOF21 [26], abs-2102-08778 [132], AstrandJZ20 [28], ParkUJR19 [405], HookerH18 [257], SialaAH15 [457], Derrien15 [151], BonfiettiLM14 [98], AlesioNBG14 [154], BillautHL12 [83], SchuttFSW11 [444], GrimesH11 [211], BartakSR10 [47], SchuttFSW09 [442], ThiruvadyBME09 [483], VilimBC05 [517], ArtiouchineB05 [24], HentenryckM04 [243], VilimBC04 [516], Vilim03 [510], ElkhyariGJ02a [163], VerfaillieL01 [508], SourdN00 [463]

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	order	abs-2402-00459 [383], PrataAN23 [420], EfthymiouY23 [161], AbreuNP23 [143], AlfieriGPS23 [11], abs-2312-13682 [408], CzerniachowskaWZ23 [136], TasselGS23 [475], AalianPG23 [1], abs-2306-05747 [476], Bit-Monnot23 [84], JuvinHL23 [269], WangB23 [525], KameugneFND23 [273], LacknerMMWW23 [310], PerezGSL23 [407], JuvinHHL23 [268], SquillaciPR23 [464], IsikYA23 [262], YuraszeckMCCR23 [543], KimCMLLP23 [282], PovedaAA23 [417], PopovicCGNC22 [415], BoudreaultSLQ22 [104], LuoB22 [346], CampeauG22 [113], YunusogluY22 [540], AbreuN22 [142], BourreauGGLT22 [105]... (Total: 334)	MontemanniD23a [367], ShaikhK23 [451], abs-2305-19888 [241], NaderiRR23 [378], TardivoDFMP23 [474], YuraszeckMC23 [541], GurPAE23 [220], OuelletQ22 [398], SvancaraB22 [469], ZhangBB22 [549], ArmstrongGOS22 [19], WinterMMW22 [531], HeinzNVH22 [240], JungblutK22 [267], TouatBT22 [490], BenderWS21 [73], GeibingerMM21 [195], HillTV21 [246], HeinzNVH22 [240], JungblutK22 [267], WallaceY20 [523], ZouZ20 [559], TangB20 [472], ColT19 [133], BogaerdtW19 [504], FrohnerTR19 [181], YounespourAKE19 [538], DemirovicS18 [150], ShinBBHO18 [454]... (Total: 94)	MontemanniD23 [368], AkramNHRSA23 [9], Mehdizadeh-Somarin23 [357], ZhangJZL22 [548], AbohashimaEG21 [2], ZhangYW21 [550], MokhtarzadehTNF20 [364], KucukY19 [304], abs-1902-01193 [10], GalleguillosKSB19 [183], ArbaouiY18 [17], BenediktSMVH18 [76], He0GLW18 [229], TranVNB17a [498], Hooker17 [254], Bonfietti16 [93], SzerediS16 [470], HechingH16 [233], BridiLBBM16 [108], Derrien15 [151], GayHS15a [189], ThiruvadyWGS14 [484], DoulabiRP14 [158], GuSS13 [218], LombardiM13 [338], SchuttFS13 [441], BonfiettiLM13 [97], HeinzKB13 [236], HeinzB12 [235]... (Total: 56)
Concepts	precedence	abs-2402-00459 [383], PovedaAA23 [417], YuraszeckMCCR23 [543], NaderiRR23 [378], IsikYA23 [262], AlfieriGPS23 [11], JuvinHHL23 [268], FetgoD22 [174], PohlAK22 [413], CampeauG22 [113], YunusogluY22 [540], ZhangBB22 [549], BoudreaultSLQ22 [104], Godet21a [202], GeibingerMM21 [195], HamPK21 [223], HanenKP21 [225], Astrand0F21 [26], Astrand21 [25], HillTV21 [246], KoehlerBFFHPSSS21 [285], FanXG21 [171], HubnerGSV21 [260], ArmstrongGOS21 [18], ZhangYW21 [550], GroleazNS20 [216], SacramentoSP20 [433], Polo-MejiaALB20 [414], AstrandJZ20 [28]... (Total: 143)	Bit-Monnot23 [84], KameugneFND23 [273], TardivoDFMP23 [474], OujanaAYB22 [399], SubulanC22 [465], ColT22 [134], VlkHT21 [520], AntuoriHHEN21 [15], WessenCS20 [529], MokhtarzadehTNF20 [364], QinDCS20 [423], GeibingerMM19 [194], Novas19 [388], abs-1911-04766 [193], ColT19 [133], BogaerdtW19 [504], MurinR19 [373], Ham18 [222], KameugneFGOQ18 [272], Madi-WambaLOBM17 [348], MossigeGSMC17 [369], Madi-WambaB16 [347], GayHLS15 [187], VilimLS15 [518], BurtLPS15 [111], LombardiBM15 [331], BartakV15 [48], WangMD15 [526], BonfiettiLM14 [98]... (Total: 61)	PrataAN23 [420], KimCMLLP23 [282], JuvinHL23 [269], TasselGS23 [475], abs-2305-19888 [241], Mehdizadeh-Somarin23 [357], abs-2306-05747 [476], YuraszeckMC23 [541], MullerMKP22 [372], WinterMMW22 [531], abs-2211-14492 [466], HeinzNVH22 [240], BourreauGGLT22 [105], ZhangJZL22 [548], GeitzGSSW22 [196], TouatBT22 [490], Lemos21 [315], KovacsTKSG21 [297], PandeyS21a [401], AbreuAPNM21 [141], TangB20 [472], GroleazNS20a [215], BaptisteB18 [35], He0GLW18 [229], OuelletQ18 [397], GokgurHO18 [205], DemirovicS18 [150], TranVNB17 [497], CappartS17 [114]... (Total: 91)
Concepts	preempt	JuvinHHL23 [268], PovedaAA23 [417], SubulanC22 [465], Godet21a [202], HanenKP21 [225], Polo-MejiaALB20 [414], ZarandiASC20 [545], BaptisteB18 [35], GokgurHO18 [205], FahimiOQ18 [168], Dejemeppe16 [146], ZarandiKS16 [544], EvenSH15 [166], EvenSH15a [167], AlesioNBG14 [154], LombardiM12 [337], BeldiceanuCDP11 [69], KovacsB11 [292], BartakSR10 [47], Lombardi10 [330], KovacsB07 [290], MonetteDD07 [365], Wolf03 [532], BaptisteP00 [38], PapaB98 [404], PembertonG98 [406], BaptisteP97 [37], CarlierP90 [118], BlazewiczLK83 [86]	PrataAN23 [420], abs-2305-19888 [241], OuelletQ22 [398], FetgoD22 [174], HeinzNVH22 [240], Astrand21 [25], SacramentoSP20 [433], Mercier-AubinGQ20 [362], Lunardi20 [344], LunardiBLRV20 [343], YoungFS17 [539], NattafAL15 [379], SimoninAHL15 [459], TerekhovTDB14 [480], OzturkTHO13 [400], BajestaniB13 [32], SimoninAHL12 [458], SchuttFSW11 [444], Malapert11 [350], SchuttFSW09 [442], Laborie09 [306], KovacsB08 [291], ArtiouchineB05 [24], SourdN00 [463], Beck99 [51], NuijtenP98 [393]	NaderiRR23 [378], TasselGS23 [475], AalianPG23 [1], TardivoDFMP23 [474], YuraszeckMC23 [541], YuraszeckMCCR23 [543], KameugneFND23 [273], AkramNHRSA23 [9], AbreuNP23 [143], abs-2306-05747 [476], IsikYA23 [262], Mehdizadeh-Somarin23 [357], AbreuN22 [142], ZhangBB22 [549], TouatBT22 [490], Teppan22 [478], GeitzGSSW22 [196], BoudreaultSLQ22 [104], ColT22 [134], MullerMKP22 [372], YunusogluY22 [540], OujanaAYB22 [399], JungblutK22 [267], Bedhief21 [63], BenderWS21 [73], FanXG21 [171], QinWSLS21 [422], KovacsTKSG21 [297], HubnerGSV21 [260]... (Total: 127)
Concepts	producer/consumer	SchuttS16 [447], PoderBS04 [412], Kumar03 [303], Beck99 [51], SimonisC95 [462]	HermenierDL11 [245], BeldiceanuC02 [68]	GeitzGSSW22 [196], KlankeBYE21 [283], CappartTSR18 [115], LombardiM12a [336], PoderB08 [411], Simonis07 [461], Timpe02 [486], Simonis95 [460]

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	re-scheduling	Astrand21 [25], Lemos21 [315], HamPK21 [223], BarzegaranZP20 [50], ZarandiASC20 [545], ZhangW18 [551], Madi-WambaLOBM17 [348], CappartS17 [114], BartakV15 [48], GrimesIOS14 [214], TranTDB13 [496], BajestaniB13 [32], RendlPHPR12 [426], LombardiM12 [337], IfrimOS12 [261], NovasH10 [389], BidotVLB09 [82], Laborie03 [305], MartinPY01 [355], ArtiguesR00 [23]	Mehdizadeh-Somarin23 [357], KovacsTKSG21 [297], AstrandJZ20 [28], TranPZLDB18 [495], HoYCLLC18 [247], LimHTB16 [322], LimBTBB15 [323], Lombardi10 [330], CobanH10 [130], Acuna-AgostMFG09 [5], Beck99 [51]	PrataAN23 [420], abs-2312-13682 [408], abs-2306-05747 [476], EfthymiouY23 [161], ShaikhK23 [451], abs-2305-19888 [241], TasselGS23 [475], GurPAE23 [220], NaderiRR23 [378], PerezGSL23 [407], BourreauGGLT22 [105], FarsiTM22 [172], YunusogluY22 [540], HeinzNVH22 [240], ArmstrongGOS22 [19], LuoB22 [346], PohlAK22 [413], YuraszeckMPV22 [542], KlankeBYE21 [283], PandeyS21a [401], ZhangYW21 [550], Lunardi20 [344], BenediktMH20 [75], MejiaY20 [358], LunardiBLRV20 [343], NishikawaSTT19 [386], YounespourAKE19 [538], GalleguillosKSB19 [183], Tom19 [487]... (Total: 75)
Concepts	release-date	WinterMMW22 [531], YunusogluY22 [540], YuraszeckMPV22 [542], HanenKP21 [225], Bedhief21 [63], Polo-MejiaALB20 [414], EscobetPQPRA19 [165], Tesch18 [482], KameugneFSN14 [275], LimtanyakulS12 [325], SerraNM12 [450], KameugneFSN11 [274], KovacsB11 [292], Lombardi10 [330], LombardiM10a [334], BartakSR10 [47], abs-0907-0939 [410], KovacsB07 [290], AkkerDH07 [503], SadykovW06 [435], ArtiouchineB05 [24], Hooker05 [250], SchuttWS05 [449], Hooker04 [249], Zhou97 [554], Zhou96 [553], Colombani96 [135]	PrataAN23 [420], LacknerMMWW23 [310], LacknerMMWW21 [309], Godet21a [202], AntuoriHHEN20 [14], GroleazNS20 [216], ZarandiASC20 [545], GroleazNS20a [215], abs-1911-04766 [193], GeibingerMM19 [194], Dejemeppe16 [146], HeinzSB13 [239], KelbelH11 [278], Laborie09 [306], Limtanyakul07 [324], Simonis07 [461], Hooker06 [252], Hooker05a [251], WuBB05 [535], Sadykov04 [434], SourdN00 [463], Beck99 [51], BeckF98 [56]	PovedaAA23 [417], IsikYA23 [262], YuraszeckMC23 [541], TouatBT22 [490], PohlAK22 [413], AntuoriHHEN21 [15], GeibingerMM21 [195], ZhangYW21 [550], HillTV21 [246], AbreuAPNM21 [141], KovacsTKSG21 [297], Astrand21 [25], GodetLHS20 [203], Lunardi20 [344], MejiaY20 [358], Novas19 [388], abs-1902-09244 [228], LaborieRSV18 [308], Laborie18a [307], GokgurHO18 [205], HookerH18 [257], NattafAL17 [380], NattafAL15 [379], DejemeppeCS15 [147], KoschB14 [289], TerekhovTDB14 [480], HeinzKB13 [236], SchuttFSW13 [445], BillautHL12 [83]... (Total: 59)
Concepts	resource	PrataAN23 [420], abs-2402-00459 [383], JuvinHHL23 [268], KameugneFND23 [273], PovedaAA23 [417], YuraszeckMCCR23 [543], abs-2305-19888 [241], CzerniachowskaWZ23 [136], ShaikhK23 [451], AlfieriGPS23 [11], NaderiRR23 [378], AalianPG23 [1], WangB23 [525], TardivoDFMP23 [474], GurPAE23 [220], NaderiBZ22 [377], BourreauGGLT22 [105], HeinzNVH22 [240], ZhangBB22 [549], GeitzGSSW22 [196], LuoB22 [346], AbreuN22 [142], BoudreaaultSLQ22 [104], TouatBT22 [490], YunusogluY22 [540], CampeauG22 [113], SubulanC22 [465], OuelletQ22 [398], FarsiTM22 [172]... (Total: 325)	Caballero23 [112], PerezGSL23 [407], abs-2312-13682 [408], IsikYA23 [262], abs-2306-05747 [476], TasselGS23 [475], Bit-Monnot23 [84], AbreuNP23 [143], abs-2211-14492 [466], PohlAK22 [413], YuraszeckMPV22 [542], MullerMKP22 [372], WinterMMW22 [531], SvancaraB22 [469], AstrandOF21 [26], KlankeBYE21 [283], MokhtarzadehTNF20 [364], TangB20 [472], LunardiBLRV20 [343], WallaceY20 [523], FrimodigS19 [180], abs-1902-01193 [10], ParkUJR19 [405], HoYCLLC18 [247], GedikKEK18 [191], Ham18 [222], BenediktSMVH18 [76], GelainPRVW17 [197], GoldwasserS17 [206]... (Total: 56)	MontemanniD23 [368], AkramNHRSA23 [9], SquillaciPR23 [464], Teppan22 [478], PopovicCGNC22 [415], ArmstrongGOS22 [19], JungblutK22 [267], ZhangJZL22 [548], AntuoriHHEN21 [15], HamPK21 [223], AbreuAPNM21 [141], AbohashimaEG21 [2], KoehlerBFFHPSSS21 [285], ArmstrongGOS21 [18], FanXG21 [171], abs-2102-08778 [132], MejiaY20 [358], BarzegaranZP20 [50], NattafM20 [381], BadicaBIL19 [30], KucukY19 [304], ColT19 [133], AstrandJZ18 [27], ZhangW18 [551], KletzanderM17 [284], TranVNB17a [498], Hooker17 [254], ZarandiKS16 [544], BajestaniB15 [33]... (Total: 60)
Concepts	scheduling	abs-2402-00459 [383], PrataAN23 [420], AbreuNP23 [143], TasselGS23 [475], Bit-Monnot23 [84], IsikYA23 [262], AalianPG23 [1], abs-2305-19888 [241], abs-2312-13682 [408], PerezGSL23 [407], abs-2306-05747 [476], JuvinHHL23 [268], TardivoDFMP23 [474], YuraszeckMC23 [541], Mehdizadeh-Somarin23 [357], MontemanniD23 [368], KimCMLLP23 [282], AkramNHRSA23 [9], ShaikhK23 [451], KameugneFND23 [273], LacknerMMWW23 [310], GurPAE23 [220], PovedaAA23 [417], EfthymiouY23 [161], AlfieriGPS23 [11], SquillaciPR23 [464], Caballero23 [112], CzerniachowskaWZ23 [136], YuraszeckMCCR23 [543]... (Total: 469)	HebrardALLCMR22 [230], GayHS15 [188], Kameugne15 [271], BessiereHMQW14 [81], HoundjiSWD14 [259], LetortCB13 [317], LetortBC12 [316], ChapadosJR11 [125], ClercqPBJ11 [129], Baptiste09 [34], Acuna-AgostMFG09 [5], abs-0907-0939 [410], GomesHS06 [209], MoffittPP05 [363], WuBB05 [535], DilkinaDH05 [155], HebrardTW05 [232], Vilim03 [510], ValleMGT03 [502], Vilim02 [509], HookerY02 [258], RodriguezDG02 [429], CestaOS98 [124], FrostD98 [182], Touraivane95 [491]	Hooker17 [254], RossiTHP07 [431], AbrilSB05 [4], VanczaM01 [507], DechterMP91 [145]

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low	
Concepts	sequence setup	dependent	GedikKEK18 [191], TranB12 [493], FocacciLN00 [175]	IsikYA23 [262], YuraszeckMPV22 [542], GeitzGSSW22 [196], MengZRZL20 [360], ZarandiASC20 [545], CauwelaertDS20 [123], RiahiNS018 [427], Dejemeppe16 [146], LombardiM12 [337], Simonis07 [461], ArtiguesBF04 [21]	PrataAN23 [420], NaderiRR23 [378], abs-2305-19888 [241], YunusogluY22 [540], PohlAK22 [413], HeinzNVH22 [240], OujanaAYB22 [399], Bedhief21 [63], HamPK21 [223], ArmstrongGOS21 [18], Astrand21 [25], Mercier-AubinGQ20 [362], MejiaY20 [358], MalapertN19 [351], Novas19 [388], KucukY19 [304], ArbaouiY18 [17], LaborieRSV18 [308], Ham18 [222], FahimiOQ18 [168], HookerH18 [257], Pralet17 [418], CauwelaertDMS16 [121], NovaraNH16 [387], DejemeppeCS15 [147], BajestaniB15 [33], Siala15a [456], KovacsK11 [294], GrimesH10 [210]... (Total: 35)
Concepts	setup-time		PrataAN23 [420], LacknerMMWW23 [310], IsikYA23 [262], abs-2305-19888 [241], AbreuNP23 [143], NaderiRR23 [378], YuraszeckMPV22 [542], PohlAK22 [413], GeitzGSSW22 [196], NaderiBZ22 [377], WinterMMW22 [531], HeinzNVH22 [240], AbreuN22 [142], OujanaAYB22 [399], YunusogluY22 [540], ColT22 [134], LacknerMMWW21 [309], Astrand21 [25], Lunardi20 [344], NattafM20 [381], MejiaY20 [358], GroleazNS20 [216], Mercier-AubinGQ20 [362], QinDCS20 [423], LunardiBLRV20 [343], ZarandiASC20 [545], GroleazNS20a [215], MengZRZL20 [360], CauwelaertDS20 [123]... (Total: 49)	AlfieriGPS23 [11], CzerniachowskaWZ23 [136], KimCMLLP23 [282], LiFJZLL22 [319], Bedhief21 [63], AbreuAPNM21 [141], ArmstrongGOS21 [18], FanXG21 [171], AstrandJZ20 [28], LaborieRSV18 [308], HookerH18 [257], NovaraNH16 [387], GaySS14 [190], OzturkTHO13 [400], KelarevaTK13 [277], Malapert11 [350], ThiruvadyBME09 [483], BeniniBGM06 [77], Timpe02 [486], Vilim02 [509]	YuraszeckMCCR23 [543], JuvinHHL23 [268], JuvinHL23 [269], Mehdizadeh-Somarin23 [357], EfthymiouY23 [161], abs-2211-14492 [466], ZhangJZL22 [548], MullerMKP22 [372], Teppan22 [478], HamPK21 [223], ZhangYW21 [550], AbohashimaEG21 [2], BenderWS21 [73], GodetLHS20 [203], MokhtarzadehTNF20 [364], Polo-MejiaALB20 [414], BehrensLM19 [65], abs-1902-09244 [228], KucukY19 [304], WikarekS19 [530], GokgurHO18 [205], CappartTSR18 [115], FahimiOQ18 [168], TranVNB17a [498], GilesH16 [199], Siala15a [456], ZhouGL15 [555], BajestaniB15 [33], MelgarejoLS15 [8]... (Total: 56)
Concepts	stock level		LopesCSM10 [339], SimonisC95 [462]	RossiTHP07 [431], Timpe02 [486]	KhemmoudjPB06 [281], Beck99 [51]
Concepts	tardiness		PrataAN23 [420], IsikYA23 [262], AlfieriGPS23 [11], KimCMLLP23 [282], LacknerMMWW23 [310], NaderiRR23 [378], WinterMMW22 [531], TouatBT22 [490], YunusogluY22 [540], AbreuN22 [142], OujanaAYB22 [399], NaderiBZ22 [377], PohlAK22 [413], abs-2211-14492 [466], FanXG21 [171], AntuoriHHEN21 [15], LacknerMMWW21 [309], ZarandiASC20 [545], GroleazNS20a [215], Mercier-AubinGQ20 [362], AntuoriHHEN20 [14], MengZRZL20 [360], TangB20 [472], abs-1902-09244 [228], ParkUJR19 [405], BogaerdtW19 [504], LaborieRSV18 [308], NovaraNH16 [387], Dejemeppe16 [146]... (Total: 50)	abs-2402-00459 [383], AbreuNP23 [143], SubulanC22 [465], FarsiTM22 [172], ColT22 [134], KovacsTKSG21 [297], AbreuAPNM21 [141], GroleazNS20 [216], Lunardi20 [344], GedikKEK18 [191], GokgurHO18 [205], Hooker17 [254], ThiruvadyWGS14 [484], TerekhovTDB14 [480], BajestaniB13 [32], Malapert11 [350], NovasH10 [389], BartakSR10 [47], Beck06 [52], QuirogaZH05 [425], Hooker05 [250], GodardLN05 [201], BeckPS03 [58]	Mehdizadeh-Somarin23 [357], JuvinHL23 [269], abs-2306-05747 [476], TasselGS23 [475], LiFJZLL22 [319], ZhangJZL22 [548], VlkHT21 [520], HanenKP21 [225], KoehlerBFFHPSSS21 [285], HamPK21 [223], GeibingerMM21 [195], Astrand21 [25], HubnerGSV21 [260], QinWSLS21 [422], Bedhief21 [63], QinDCS20 [423], Polo-MejiaALB20 [414], MejiaY20 [358], LunardiBLRV20 [343], Tom19 [487], Novas19 [388], RiahiNS018 [427], HookerH18 [257], ZhangW18 [551], DejemeppeCS15 [147], MelgarejoLS15 [8], ZhouGL15 [555], BurtLPS15 [111], LimBTBB15 [323]... (Total: 58)
Concepts	task		PrataAN23 [420], abs-2402-00459 [383], JuvinHL23 [269], CzerniachowskaWZ23 [136], JuvinHHL23 [268], WangB23 [525], YuraszeckMCCR23 [543], PovedaAA23 [417], abs-2305-19888 [241], KameugneFND23 [273], AkramNHRSA23 [9], LiFJZLL22 [319], CampeauG22 [113], ColT22 [134], SubulanC22 [465], OuelletQ22 [398], FetgoD22 [174], abs-2211-14492 [466], GeitzGSSW22 [196], TouatBT22 [490], HeinzNVH22 [240], JungblutK22 [267], BoudreaultSLQ22 [104], Astrand0F21 [26], HanenKP21 [225], Astrand21 [25], KoehlerBFFHPSSS21 [285], KlankeBYE21 [283], HillTV21 [246]... (Total: 212)	MontemanniD23a [367], Bit-Monnot23 [84], IsikYA23 [262], MontemanniD23 [368], LacknerMMWW23 [310], ShaikhK23 [451], SquillaciPR23 [464], YuraszeckMPV22 [542], PopovicCGNC22 [415], MullerMKP22 [372], WinterMMW22 [531], AbreuN22 [142], FarsiTM22 [172], SvancaraB22 [469], OujanaAYB22 [399], BenderWS21 [73], HubnerGSV21 [260], GeibingerMM21 [195], ZouZ20 [559], BarzegaranZP20 [50], Polo-MejiaALB20 [414], AntuoriHHEN20 [14], BadicaBI20 [29], WallaceY20 [523], WikarekS19 [530], HookerH18 [257], DemirovicS18 [150], GoldwasserS18 [207], MusliuSS18 [376]... (Total: 54)	NaderiRR23 [378], TasselGS23 [475], EfthymiouY23 [161], PerezGSL23 [407], abs-2312-13682 [408], Mehdizadeh-Somarin23 [357], TardivoDFMP23 [474], abs-2306-05747 [476], Teppan22 [478], ZhangJZL22 [548], ZhangBB22 [549], ArmstrongGOS22 [19], ZhangYW21 [550], abs-2102-08778 [132], FanXG21 [171], AbreuAPNM21 [141], AntuoriHHEN21 [15], LacknerMMWW21 [309], HamPK21 [223], AstrandJZ20 [28], SacramentoSP20 [433], FallahiAC20 [170], BenediktMH20 [75], MengZRZL20 [360], CauwelaertDS20 [123], ParkUJR19 [405], MurinR19 [373], abs-1902-09244 [228], FrimodigS19 [180]... (Total: 93)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	temporal constraint reasoning			BartakSR10 [47], KeriK07 [279], FortinZDF05 [177]
Concepts	transportation	CzerniachowskaWZ23 [136], ArmstrongGOS22 [19], PohlAK22 [413], BourreauGGLT22 [105], GeitzGSSW22 [196], Lemos21 [315], ArmstrongGOS21 [18], QinDCS20 [423], Lunardi20 [344], SacramentoSP20 [433], MurinR19 [373], Ham18 [222], CappartTSR18 [115], PourDERB18 [416], TangLWSK18 [473], GoelSHFS15 [204], NovasH14 [391], KelarevaTK13 [277], NovasH12 [390], HachemiGR11 [221], LopesCSM10 [339], BocewiczBB09 [89], Rodriguez07 [430], ZeballosH05 [546]	NaderiRR23 [378], KimCMLLP23 [282], AbreuN22 [142], SubulanC22 [465], NaderiBZ22 [377], PopovicCGNC22 [415], Astrand21 [25], Godet21a [202], AbohashimaEG21 [2], MengZRZL20 [360], MejiaY20 [358], ZarandiASC20 [545], FallahiAC20 [170], LaborieRSV18 [308], EvenSH15 [166], MelgarejoLS15 [8], RendlPHPR12 [426], Malapert11 [350], MakMS10 [349], MouraSCL08a [370], MouraSCL08 [371], LimRX04 [321], Mason01 [356], ArtiguesR00 [23], Wallace96 [522], BlazewiczLK83 [86]	AalianPG23 [1], IsikYA23 [262], AbreuNP23 [143], abs-2312-13682 [408], WangB23 [525], MontemanniD23a [367], PerezGSL23 [407], AlfieriGPS23 [11], ColT22 [134], BoudreaultSLQ22 [104], abs-2211-14492 [466], ZhangJZL22 [548], YuraszeckMPV22 [542], LiFJZLL22 [319], YunusogluY22 [540], AntuoriHHEN21 [15], Bedhief21 [63], HubnerGSV21 [260], GroleazNS20a [215], WallaceY20 [523], CauwelaertDS20 [123], Novas19 [388], abs-1902-09244 [228], Tom19 [487], GoldwaserS18 [207], HookerH18 [257], GokgurHO18 [205], ZhangW18 [551], ShinBBHO18 [454]... (Total: 72)

6.2 Concept Type Classification

Table 11: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	2BPHFSP	TangB20 [472]		
Classification	BPCTOP	KelarevaTK13 [277]		
Classification	Bulk Port Cargo Throughput Optimisation Problem			KelarevaTK13 [277]
Classification	CECSP	NattafAL17 [380], NattafAL15 [379]		
Classification	CHSP	EfthymiouY23 [161], WallaceY20 [523]		
Classification	CTW	KoehlerBFFHPSSS21 [285]	Lombardi10 [330]	
Classification	CuSP	KameugneFND23 [273], FetgoD22 [174], Tesch18 [482], KameugneFGOQ18 [272], Tesch16 [481], NattafAL15 [379], Derrien15 [151], DerrienPZ14 [153], KameugneFSN14 [275], KameugneFSN11 [274], SchuttW10 [448], Demassey03 [149]	GingrasQ16 [200], OuelletQ13 [396]	TardivoDFMP23 [474], HanenKP21 [225], DerrienP14 [152]
Classification	EOSP		SquillaciPR23 [464]	
Classification	Earth Observation Scheduling Problem		SquillaciPR23 [464]	
Classification	FJS	WangB23 [525], YuraszeckMCCR23 [543], MullerMKP22 [372], Teppan22 [478], HamPK21 [223], Lunardi20 [344], LunardiBLRV20 [343], WangB20 [524], ZarandiASC20 [545], MengZRZL20 [360], Novas19 [388], MossigeGSMC17 [369]	OujanaAYB22 [399], abs-1902-09244 [228], ZhangW18 [551], SchuttFS13 [441]	NaderiRR23 [378], ColT22 [134], ZhouGL15 [555]
Classification	Fixed Job Scheduling	WangB20 [524]	WangB23 [525]	
Classification	GCSP	GroleazNS20 [216]		
Classification	HFF	ArmstrongGOS22 [19], OujanaAYB22 [399], ArmstrongGOS21 [18], ZhouGL15 [555]		
Classification	JSPT		MurinR19 [373]	
Classification	JSSP	JuvinHHL23 [268], YuraszeckMC23 [541], TasselGS23 [475], YuraszeckMCCR23 [543], abs-2306-05747 [476], ColT22 [134], YuraszeckMPV22 [542], GeitzGSSW22 [196], Teppan22 [478], Godet21a [202], abs-2102-08778 [132], ZarandiASC20 [545], ColT19 [133], Pralet17 [418], KelbelH11 [278], BidotVLB09 [82], GodardLN05 [201], SourdN00 [463], PapaB98 [404], NuijtenP98 [393], NuijtenA94 [392], KamarainenS02 [270], SakkoutW00 [436]	GalleguillosKSB19 [183], LombardiBM15 [331], SialaAH15 [457], BelhadjiI98 [72]	EfthymiouY23 [161], Mehdizadeh-Somarin23 [357], CzerniachowskaWZ23 [136], WikarekS19 [530], PraletLJ15 [419], BajestaniB11 [31]
Classification	KRFP			
Classification	LSFRP	KelarevaTK13 [277]		
Classification	Liner Shipping Fleet Repositioning Problem		KelarevaTK13 [277]	
Classification	MGAP	Darby-DowmanLMZ97 [138]		
Classification	Modified Generalized Assignment Problem			
Classification	OSP	NaderiRR23 [378], LacknerMMWW23 [310], Bit-Monnot23 [84], LacknerMMWW21 [309], GayHLS15 [187], Siala15a [456]	SquillaciPR23 [464], GrimesHM09 [213], MonetteDD07 [365]	MengZRZL20 [360]
Classification	OSSP	YuraszeckMC23 [541], AbreuNP23 [143], YuraszeckMPV22 [542], ColT22 [134], AbreuN22 [142], AbreuAPNM21 [141], MejiaY20 [358]		YuraszeckMCCR23 [543], ZarandiASC20 [545]

Table 11: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	Open Shop Scheduling Problem	AbreuNP23 [143], AbreuN22 [142], AbreuAPNM21 [141], MejiaY20 [358], ZarandiASC20 [545]	Malapert11 [350], LorigeonBB02 [341]	PrataAN23 [420], Bit-Monnot23 [84], YuraszeckMCCR23 [543], NaderiRR23 [378], YuraszeckMPV22 [542], ColT22 [134], MengZRZL20 [360], SacramentoSP20 [433], HookerH18 [257], GrimesH10 [210], GrimesHM09 [213], OhrimenkoSC09 [395], MonetteDD07 [365], VerfaillieL01 [508]
Classification	PJSSP		PapaB98 [404]	
Classification	PMSP	NaderiRR23 [378], YunusogluY22 [540], WinterMMW22 [531], Godet21a [202], PandeyS21a [401], GodetLHS20 [203], MalapertN19 [351], GedikKEK18 [191], TranB12 [493]	VlkHT21 [520], NattafM20 [381]	OujanaAYB22 [399], ColT22 [134], ZarandiASC20 [545]
Classification	PP-MS-MMRCPS			
Classification	PTC	NattafM20 [381], MalapertN19 [351]	NaderiRR23 [378]	CzerniachowskaWZ23 [136], Teppan22 [478], Dejemeppe16 [146]
Classification	Pre-emptive Job-Shop scheduling Problem			
Classification	RCPSP	YuraszeckMCCR23 [543], PovedaAA23 [417], CampeauG22 [113], BoudreaultSLQ22 [104], SubulanC22 [465], FetgoD22 [174], BenderWS21 [73], GeibingerMM21 [195], HillTV21 [246], HubnerGSV21 [260], Godet21a [202], ZarandiASC20 [545], Polo-MejiaALB20 [414], GeibingerMM19 [194], abs-1902-09244 [228], abs-1911-04766 [193], LaborieRSV18 [308], TangLWSK18 [473], KameugneFGOQ18 [272], Pralet17 [418], KreterSS17 [299], YoungFS17 [539], BofillCSV17 [90], MossigeGSMC17 [369], SzerediS16 [470], SchuttS16 [447], KreterSS15 [298], VilimLS15 [518], BonfiettiLM13 [97]... (Total: 46)	TardivoDFMP23 [474], Caballero23 [112], KameugneFND23 [273], KovacsTKSG21 [297], GroleazNS20a [215], BaptisteB18 [35], Tesch18 [482], CauwelaertLS18 [122], Dejemeppe16 [146], LombardiBM15 [331], NattafAL15 [379], GayHLS15 [187], KameugneFSN14 [275], LombardiM13 [338], KameugneFSN11 [274], HeinzS11 [238], abs-1009-0347 [443], KeriK07 [279], KovacsV06 [296], HeipckeCCS00 [242], ArtiguesR00 [23]	NaderiRR23 [378], GeitzGSSW22 [196], TouatBT22 [490], HanenKP21 [225], Astrand21 [25], ZhangYW21 [550], Lemos21 [315], Mercier-AubinGQ20 [362], WikarekS19 [530], OuelletQ18 [397], HookerH18 [257], FahimiOQ18 [168], GingrasQ16 [200], BonfiettiZLM16 [100], Tesch16 [481], SialaAH15 [457], Siala15a [456], GayHS15a [189], DerrienPZ14 [153], BonfiettiLM14 [98], BonfiettiLBM14 [96], KoschB14 [289], SchuttFS13a [440], OuelletQ13 [396], SchuttFS13 [441], LetortCB13 [317], BonfiettiM12 [99], BonfiettiLBM12 [95], LombardiBMB11 [332]... (Total: 40)
Classification	RCPSPDC			CampeauG22 [113], HubnerGSV21 [260]
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow			
Classification	SBSFMMAL	OzturkTHO13 [400]		
Classification	SCC	KimCMLLP23 [282], WolinskiKG04 [534]	SchuttFSW13 [445], Lombardi10 [330], abs-1009-0347 [443]	PohlAK22 [413], BeniniLMR11 [78], SchausHMCMD11 [437]
Classification	SMSDP			
Classification	Steel-making and continuous casting			
Classification	TCSP	BelhadjiI98 [72], DechterMP91 [145]		BartakSR10 [47], Lombardi10 [330], LombardiM10a [334], Demassey03 [149]
Classification	TMS	PopovicCGNC22 [415]	BegB13 [64]	CappartS17 [114], Siala15a [456]
Classification	Temporal Constraint Satisfaction Problem		BelhadjiI98 [72]	BartakSR10 [47], MoffittPP05 [363], DechterMP91 [145]

Table 11: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	parallel machine	PrataAN23 [420], abs-2305-19888 [241], IsikYA23 [262], CzerniachowskaWZ23 [136], NaderiRR23 [378], ZhangJZL22 [548], WinterMMW22 [531], HeinzNVH22 [240], OujanaAYB22 [399], YunusogluY22 [540], PandeyS21a [401], Astrand21 [25], Godet21a [202], Lunardi20 [344], GodetLHS20 [203], ZarandiASC20 [545], MengZRZL20 [360], NattafM20 [381], MalapertN19 [351], GedikKEK18 [191], ArbaouiY18 [17], GokgurHO18 [205], HebrardHJMPV16 [231], TranB12 [493], EdisO11 [160]	AbreuNP23 [143], Teppan22 [478], NaderiBZ22 [377], ColT22 [134], Bedhief21 [63], SacramentoSP20 [433], MejiaY20 [358], MokhtarzadehTNF20 [364], ParkUJR19 [405], Novas19 [388], BogaerdtW19 [504], BenediktSMVH18 [76], ZhouGL15 [555], TerekhovTDB14 [480], TranTDB13 [496], BajestaniB13 [32], KovacsB11 [292], AkkerDH07 [503], SadykovW06 [435], Thorsteinsson01 [485]	KimCMLLP23 [282], JuvinHHL23 [268], LacknerMMWW23 [310], Mehdizadeh-Somarin23 [357], AlfieriGPS23 [11], ArmstrongGOS22 [19], HamPK21 [223], LacknerMMWW21 [309], HanenKP21 [225], FanXG21 [171], AbohashimaEG21 [2], AbreuAPNM21 [141], AstrandJZ20 [28], GroleazNS20a [215], QinDCS20 [423], NishikawaSTT19 [386], Ham18 [222], LaborieRSV18 [308], BaptisteB18 [35], HookerH18 [257], KletzanderM17 [284], KreterSS17 [299], FontaineMH16 [176], BurtLPS15 [111], KreterSS15 [298], NovasH14 [391], LombardiM12 [337], LahimerLH11 [311], KovacsB07 [290]... (Total: 32)
Classification	psplib	TardivoDFMP23 [474], OuelletQ18 [397], GayHS15a [189], LetortCB15 [318], Derrien15 [151], KameugneFSN14 [275], DerrienP14 [152], SchuttFSW13 [445], SchuttFS13a [440], HeinzSB13 [239], SchuttFSW11 [444], BertholdHLMS10 [80], SchuttFSW09 [442], DemasseY03 [149]	KameugneFND23 [273], BoudreaultSLQ22 [104], HillTV21 [246], BadicaBI20 [29], Tesch18 [482], FahimiOQ18 [168], BaptisteB18 [35], SzerediS16 [470], Tesch16 [481], GingrasQ16 [200], GayHLS15 [187], VilimLS15 [518], LombardiBM15 [331], BonfiettiLM14 [98], LetortCB13 [317], LombardiM12a [336], LetortBC12 [316], HeinzS11 [238], Vilim11 [515], SchuttW10 [448], abs-1009-0347 [443]	Godet21a [202], LaborieRSV18 [308], CauwelaertLS18 [122], Pralet17 [418], YoungFS17 [539], BofillCSV17 [90], Dejemeppe16 [146], ThiruvadyWGS14 [484], LombardiM13 [338], OuelletQ13 [396], LombardiM12 [337], KameugneFSN11 [274], LiessM08 [320], FortinZDF05 [177], ElkhyariGJ02a [163]
Classification	single machine	PrataAN23 [420], AlfieriGPS23 [11], LacknerMMWW23 [310], TouatBT22 [490], HamPK21 [223], ZarandiASC20 [545], BenediktMH20 [75], BogaerdtW19 [504], BajestaniB15 [33], BajestaniB13 [32], KovacsB11 [292], ThiruvadyBME09 [483], KovacsB07 [290], SadykovW06 [435], SourdN00 [463]	NaderiBZ22 [377], YuraszeckMPV22 [542], ZhangBB22 [549], PandeyS21a [401], Astrand21 [25], Bedhief21 [63], HillTV21 [246], KoehlerBFFHPSSS21 [285], AbreuAPNM21 [141], LacknerMMWW21 [309], NattafM20 [381], Lunardi20 [344], BenediktSMVH18 [76], Tesch18 [482], TranPZLDB18 [495], KoschB14 [289], BillautHL12 [83], TranB12 [493], KovacsK11 [294], Malapert11 [350], AkkerDH07 [503], Sadykov04 [434], OddiPCC03 [394], SchildW00 [438], BeckF98 [56]	abs-2402-00459 [383], IsikYA23 [262], NaderiRR23 [378], Mehdizadeh-Somarin23 [357], GeitzGSSW22 [196], AbreuN22 [142], ColT22 [134], abs-2211-14492 [466], PohlAK22 [413], ZhangJZL22 [548], LiFJZLL22 [319], Godet21a [202], FanXG21 [171], QinWSLS21 [422], KovacsTKSG21 [297], TangB20 [472], GodetLHS20 [203], ParkUJR19 [405], Tom19 [487], MalapertN19 [351], GedikKEK18 [191], AstrandJZ18 [27], ArbaouiY18 [17], GokgurHO18 [205], MossigeGSMC17 [369], Dejemeppe16 [146], TranWDRFOVB16 [499], DoulabiRP16 [159], ZarandiKS16 [544]... (Total: 62)

6.3 Concept Type Constraints

Table 12: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	alldifferent	JuvinHHL23 [268], Lemos21 [315], KoehlerBFFHPSSS21 [285], Godet21a [202], CauwelaertLS18 [122], Dejemeppe16 [146], Derrien15 [151], Siala15a [456], Malapert11 [350], Menana11 [359], OhrimenkoSC09 [395], Simonis07 [461]	GodetLHS20 [203], HookerH18 [257], BessiereHMQW14 [81], KelarevaTK13 [277]	WangB23 [525], ColT22 [134], BourreauGGLT22 [105], FarsiTM22 [172], Astrand21 [25], AstrandJZ20 [28], WangB20 [524], AntuoriHHEN20 [14], Lunardi20 [344], MokhtarzadehTNF20 [364], FahimiOQ18 [168], MelgarejoLS15 [8], AlesioNBG14 [154], ChuGNSW13 [126], ClercqPBJ11 [129], HermenierDL11 [245], HachemiGR11 [221], TrojetHL11 [500], LopesCSM10 [339], Malik08 [352], Thorsteinsson01 [485], BeldiceanuC94 [67]
Constraints	alternative constraint	LaborieRSV18 [308]	abs-2305-19888 [241], MurinR19 [373], GokgurHO18 [205]	LacknerMMWW23 [310], NaderiRR23 [378], WinterMMW22 [531], ZhangJZL22 [548], SvancaraB22 [469], HeinzNVH22 [240], ArmstrongGOS21 [18], HubnerGSV21 [260], PandeyS21a [401], VlkHT21 [520], HillTV21 [246], MengZRZL20 [360], Polo-MejiaALB20 [414], SacramentoSP20 [433], YounespourAKE19 [538], EscobetPQPRA19 [165], GeibingerMM19 [194], NishikawaSTT19 [386], GalleguillosKSB19 [183], MalapertN19 [351], abs-1911-04766 [193], ArbaouiY18 [17], Laborie18a [307], NishikawaSTT18a [385], NishikawaSTT18 [384], CohenHB17 [131], TranVNB17a [498], TranVNB17 [497], CappartS17 [114]... (Total: 35)
Constraints	alwaysIn	PopovicCGNC22 [415], SerraNM12 [450]	AalianPG23 [1], LuoB22 [346], TangB20 [472], Polo-MejiaALB20 [414], MalapertN19 [351], LaborieRSV18 [308], GoelSHFS15 [204]	CampeauG22 [113], KreterSS17 [299], BajestaniB13 [32]
Constraints	bin-packing	Godet21a [202], TangB20 [472], CauwelaertLS18 [122], LetortCB15 [318], LetortCB13 [317], HeinzSSW12 [237], LetortBC12 [316], Malapert11 [350], SchausHMCMD11 [437]	LuoB22 [346], BadicaBI20 [29], FrimodigS19 [180], BaptisteB18 [35], GarganiR07 [184], SakkoutW00 [436], SchildW00 [438]	abs-2402-00459 [383], LacknerMMWW23 [310], AkramNHRSA23 [9], abs-2211-14492 [466], YunusogluY22 [540], ArmstrongGOS21 [18], GodetLHS20 [203], HookerH18 [257], TranPZLDB18 [495], Madi-WambaLOBM17 [348], DoulabiRP16 [159], KoschB14 [289], DoulabiRP14 [158], LimtanyakulS12 [325], EdisO11 [160], HermenierDL11 [245], BeldiceanuCDP11 [69], Lombardi10 [330], KovacsB08 [291], HentenryckM08 [244], Simonis07 [461], DavenportKRSH07 [140], BeldiceanuC94 [67], AggounB93 [7]
Constraints	circuit	MontemanniD23a [367], KlankeBYE21 [283], Mercier-AubinGQ20 [362], MokhtarzadehTNF20 [364], HookerH18 [257], Lombardi10 [330], RuggieroBBMA09 [432], Rodriguez07 [430], RodriguezDG02 [429], GruianK98 [217], Wallace96 [522], BeldiceanuC94 [67]	WessenCS20 [529], AntuoriHHEN20 [14], Siala15a [456], TranB12 [493], Malapert11 [350], KrogtLPHJ07 [505], KuchcinskiW03 [302], HookerO03 [256], Thorsteinsson01 [485], DincbasSH90 [156]	PrataAN23 [420], IsikYA23 [262], MontemanniD23 [368], JungblutK22 [267], FarsiTM22 [172], ColT22 [134], MullerMKP22 [372], KoehlerBFFHPSSS21 [285], ArmstrongGOS21 [18], Astrand21 [25], WallaceY20 [523], GroleazNS20 [216], EscobetPQPRA19 [165], CauwelaertLS18 [122], TangLWSK18 [473], CappartTSR18 [115], Hooker17 [254], HechingH16 [233], Dejemeppe16 [146], Bonfietti16 [93], BridiBLMB16 [107], MelgarejoLS15 [8], MurphyMB15 [374], Derrien15 [151], BajestaniB15 [33], HoundjiSWD14 [259], BonfiettiLBM14 [96], CireCH13 [128], SchuttsFS13a [440]... (Total: 50)

Table 12: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	cumulative	PovedaAA23 [417], TardivoDFMP23 [474], NaderiRR23 [378], AalianPG23 [1], KameugneFND23 [273], IsikYA23 [262], LacknerMMWW23 [310], FetgoD22 [174], PohlAK22 [413], OuelletQ22 [398], ZhangJZL22 [548], LuoB22 [346], BoudreaultSLQ22 [104], Lemos21 [315], LacknerMMWW21 [309], HanenKP21 [225], KovacsTKSG21 [297], Godet21a [202], SacramentoSP20 [433], Polo-MejiaALB20 [414], Mercier-AubinGQ20 [362], WallaceY20 [523], GodetLHS20 [203], GroleazNS20a [215], GroleazNS20 [216], YangSS19 [537], abs-1911-04766 [193], Novas19 [388], MalapertN19 [351]... (Total: 137)	PrataAN23 [420], abs-2402-00459 [383], EfthymiouY23 [161], abs-2312-13682 [408], PerezGSL23 [407], ColT22 [134], YunusogluY22 [540], CampeauG22 [113], GeitzGSSW22 [196], AbreuN22 [142], HubnerGSV21 [260], HillTV21 [246], KlankeBYE21 [283], NattafM20 [381], GalleguillosKSB19 [183], NishikawaSTT19 [386], BorghesiBLMB18 [102], GedikKEK18 [191], TranVNB17a [498], BoothNB16 [101], BonfiettiZLM16 [100], LimHTB16 [322], Bonfietti16 [93], GayHLS15 [187], BurtLPS15 [111], ThiruvadyWGS14 [484], GuSS13 [218], BonfiettiLM13 [97], LimtanyakulS12 [325]... (Total: 46)	GurPAE23 [220], TasselGS23 [475], abs-2306-05747 [476], abs-2305-19888 [241], Bit-Monnot23 [84], YuraszeckMCCR23 [543], JuvinHHL23 [268], HeinzNVH22 [240], PopovicCGNC22 [415], abs-2211-14492 [466], SubulanC22 [465], HebrardALLCMR22 [230], ArmstrongGOS22 [19], Astrand21 [25], PandeyS21a [401], KoehlerBFFHPSSS21 [285], GeibingerMM21 [195], ArmstrongGOS21 [18], ZouZ20 [559], CauwelaertDS20 [123], abs-1902-09244 [228], FrimodigS19 [180], WikarekS19 [530], YounespourAKE19 [538], Laborie18a [307], AstrandJZ18 [27], ZhangW18 [551], Ham18 [222], ArbaouiY18 [17]... (Total: 91)
Constraints	cycle	AalianPG23 [1], Astrand0F21 [26], Astrand21 [25], AntuoriHHEN21 [15], AbohashimaEG21 [2], GroleazNS20a [215], AntuoriHHEN20 [14], WallaceY20 [523], AstrandJZ20 [28], ParkUJR19 [405], BorghesiBLMB18 [102], AstrandJZ18 [27], Dejemeppe16 [146], BridiBLMB16 [107], BonfiettiLBM14 [96], BessiereHMqw14 [81], BegB13 [64], Malapert11 [350], LombardiBMB11 [332], SunLYL10 [467], BocewiczBB09 [89], RuggieroBBMA09 [432], MalikMB08 [353], Malik08 [352], RossiTHP07 [431], WolinskiKG04 [534], KuchcinskiW03 [302], Kumar03 [303], ArtiguesR00 [23]... (Total: 36)	SimoninAHL15 [459], PraletLJ15 [419], BurtLPS15 [111], Siala15a [456], TranTDB13 [496], SchuttFSW13 [445], SimoninAHL12 [458], BonfiettiLBM12 [95], HachemiGR11 [221], KovacsB11 [292], BonfiettiLBM11 [94], Vilim11 [515], Lombardi10 [330], abs-1009-0347 [443], KovacsB08 [291], Simonis07 [461], LiuJ06 [329]... (Total: 35)	Bit-Monnot23 [84], AkramNHRSA23 [9], ZhangBB22 [549], BourreauGGLT22 [105], AbreuN22 [142], HamPK21 [223], ArmstrongGOS21 [18], AbreuAPNM21 [141], FanXG21 [171], FallahiAC20 [170], TangB20 [472], Mercier-AubinGQ20 [362], QinDCS20 [423], BadicaBI20 [29], MokhtarzadehTNF20 [364], Novas19 [388], BadicaBIL19 [30], abs-1902-09244 [228], KucukY19 [304], EscobetPQPRA19 [165], TangLWSK18 [473], MusliuSS18 [376], LaborieRSV18 [308], Ham18 [222], KreterSS17 [299], Pralet17 [418], DoulabiRP16 [159], TranDRFVOVB16 [494], BonfiettiZLM16 [100]... (Total: 70)
Constraints	diffn	ArmstrongGOS21 [18], Simonis07 [461], BeldiceanuC94 [67]	BeldiceanuCDP11 [69]	LuoB22 [346], BourreauGGLT22 [105], KreterSS17 [299], KreterSS15 [298], TrojetHL11 [500], Malapert11 [350], Timpe02 [486], GruianK98 [217], SimonisC95 [462], Simonis95 [460]
Constraints	disjunctive	JuvinHHL23 [268], NaderiRR23 [378], Bit-Monnot23 [84], YuraszeckMPV22 [542], BourreauGGLT22 [105], ZhangBB22 [549], Astrand21 [25], Godet21a [202], KoehlerBFFHPSSS21 [285], GodetLHS20 [203], LaborieRSV18 [308], HookerH18 [257], FahimiOQ18 [168], GokgurHO18 [205], NattafAL17 [380], Pralet17 [418], MossigeGSMC17 [369], FontaineMH16 [176], GoelSHFS15 [204], Siala15a [456], GayHS15a [189], MelgarejoLS15 [8], SialaAH15 [457], SchuttFS13 [441], OzturkTHO13 [400], SchuttFS13a [440], LombardiM12 [337], BeldiceanuCDP11 [69], SchuttFSW11 [444]... (Total: 62)	BoudreaultSLQ22 [104], Astrand0F21 [26], GeibingerMM21 [195], SacramentoSP20 [433], AstrandJZ20 [28], MejiaY20 [358], Polo-MejiaALB20 [414], YangSS19 [537], CauwelaertLS18 [122], DemirovicS18 [150], KameugneFGOQ18 [272], Dejemeppe16 [146], SimoninAHL15 [459], EvenSH15 [166], EvenSH15a [167], GayHS15 [188], VilimLS15 [518], LipovetzkyBPS14 [326], KameugneFSN14 [275], GaySS14 [190], KelbelH11 [278], HeinzS11 [238], GrimesH11 [211], LiessM08 [320], MouraSCL08a [370], MouraSCL08 [371], MonetteDD07 [365], ArtiouchineB05 [24], BeckR03 [59]... (Total: 35)	abs-2402-00459 [383], LacknerMMWW23 [310], TardivoDFMP23 [474], abs-2306-05747 [476], KameugneFND23 [273], PovedaAA23 [417], EfthymiouY23 [161], TasselGS23 [475], NaderiBZ22 [377], MullerMKP22 [372], OuelletQ22 [398], ColT22 [134], abs-2211-14492 [466], OujanaAYB22 [399], KlankeBYE21 [283], ZhangYW21 [550], Lunardi20 [344], ZarandiASC20 [545], Mercier-AubinGQ20 [362], WallaceY20 [523], CauwelaertDS20 [123], KucukY19 [304], abs-1911-04766 [193], WikarekS19 [530], ColT19 [133], AstrandJZ18 [27], OuelletQ18 [397], CappartTSR18 [115], Ham18 [222]... (Total: 116)

Table 12: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	endBeforeStart	SubulanC22 [465], QinDCS20 [423]	NaderiRR23 [378], IsikYA23 [262], PandeyS21a [401], LunardiBLRV20 [343], Lunardi20 [344], MengZRZL20 [360], LaborieRSV18 [308], NovaraNH16 [387], Laborie09 [306]	JuvinHHL23 [268], YuraszeckMCCR23 [543], CzerniachowskaWZ23 [136], LacknerMMWW23 [310], JuvinHL23 [269], AalianPG23 [1], Teppan22 [478], YunusogluY22 [540], CampeauG22 [113], ZhangJZL22 [548], HamPK21 [223], HubnerGSV21 [260], ZhangYW21 [550], LacknerMMWW21 [309], TangB20 [472], ZouZ20 [559], SacramentoSP20 [433], BenediktMH20 [75], Polo-MejiaALB20 [414], MurinR19 [373], abs-1902-09244 [228], ParkUJR19 [405], GeibingerMM19 [194], abs-1911-04766 [193], Novas19 [388], NishikawaSTT18a [385], NishikawaSTT18 [384], Ham18 [222]
Constraints	geost	BeldiceanuCDP11 [69]	LetortBC12 [316], PembertonG98 [406]	Malapert11 [350], BeldiceanuCP08 [70]
Constraints	noOverlap	abs-2305-19888 [241], NaderiRR23 [378], IsikYA23 [262], JuvinHHL23 [268], HeinzNVH22 [240], ColT22 [134], PopovicCGNC22 [415], VlKHT21 [520], LunardiBLRV20 [343], Lunardi20 [344], QinDCS20 [423], GedikKEK18 [191], MelgarejoLS15 [8]	KimCMLLP23 [282], abs-2306-05747 [476], LacknerMMWW23 [310], TasselGS23 [475], AbreuN22 [142], YuraszeckMPV22 [542], PohlAK22 [413], SvancaraB22 [469], KlankeBYE21 [283], Bedhief21 [63], BenderWS21 [73], BenediktMH20 [75], MengZRZL20 [360], ZouZ20 [559], SacramentoSP20 [433], YounespourAKE19 [538], MalapertN19 [351], MurinR19 [373], abs-1911-04766 [193], EscobetPQPRA19 [165], Novas19 [388], LaborieRSV18 [308], ZhangW18 [551], ArbaouiY18 [17], Ham18 [222], TranVNB17 [497], CohenHB17 [131], NovaraNH16 [387], BoothNB16 [101]... (Total: 32)	AbreuNP23 [143], JuvinHL23 [269], YuraszeckMC23 [541], AalianPG23 [1], CzerniachowskaWZ23 [136], SquillaciPR23 [464], Teppan22 [478], YunusogluY22 [540], WinterMMW22 [531], CampeauG22 [113], OujanaAYB22 [399], ArmstrongGOS22 [19], TouatBT22 [490], ZhangJZL22 [548], NaderiBZ22 [377], HamPK21 [223], AbreuAPNM21 [141], LacknerMMWW21 [309], GroleazNS20 [216], GroleazNS20a [215], NattafM20 [381], Polo-MejiaALB20 [414], BogaerdtW19 [504], ColT19 [133], GeibingerMM19 [194], KucukY19 [304], ParkUJR19 [405], BenediktSMVH18 [76], CappartTSR18 [115]... (Total: 34)
Constraints	regular expression		FrimodigS19 [180]	HookerH18 [257]
Constraints	span constraint		CappartS17 [114], SchuttFS13 [441], LombardiM10a [334], Lombardi10 [330], Darby-DowmanLMZ97 [138]	OujanaAYB22 [399], ZhangBB22 [549], TangB20 [472], ZouZ20 [559], YounespourAKE19 [538], LaborieRSV18 [308], SimoninAHL15 [459], SimoninAHL12 [458], SchuttFSW11 [444]
Constraints	table constraint	Lombardi10 [330], LombardiM10a [334], PapaB98 [404]	JelinekB16 [265]	PerezGSL23 [407], abs-2312-13682 [408], ArmstrongGOS21 [18], CauwelaertLS18 [122], Siala15a [456], GayHS15 [188], PesantRR15 [409], MelgarejoLS15 [8], LimtanyakulS12 [325], BeniniLMR11 [78], BeckFW11 [55], HermenierDL11 [245], LopesCSM10 [339], MouraSCL08 [371], GodardLN05 [201], Laborie03 [305], ElkhyariGJ02 [162]

6.4 Concept Type ProgLanguages

Table 13: Works for Concepts of Type ProgLanguages

Type	Keyword	High	Medium	Low
ProgLanguages	C	KoehlerBFFHPSSS21 [285]		HubnerGSV21 [260], BogaerdtW19 [504], TangLWSK18 [473], LaborieRSV18 [308], HoYCLLC18 [247], Lombardi10 [330], LombardiM10a [334], Laborie09 [306], GarridoOS08 [186], Layfield02 [314]
ProgLanguages	C++		BourreauGGLT22 [105], NethercoteSBBDT07 [382], Demassey03 [149]	TardivoDFMP23 [474], JuvinHHL23 [268], PopovicCGNC22 [415], ColT22 [134], Astrand21 [25], AntuoriHHEN21 [15], QinWSLS21 [422], AbreuAPNM21 [141], Lemos21 [315], Polo-MejiaALB20 [414], AstrandJZ20 [28], Mercier-AubinGQ20 [362], abs-1902-01193 [10], LaborieRSV18 [308], ArbaouiY18 [17], TranPZLDB18 [495], NattafAL17 [380], BoothNB16 [101], Tesch16 [481], Bonfietti16 [93], NattafAL15 [379], TranTDB13 [496], SchuttFSW13 [445], GuSW12 [219], TranB12 [493], LombardiBMB11 [332], LahimerLH11 [311], BeckFW11 [55], KovacsK11 [294]... (Total: 56)
ProgLanguages	Java	abs-2102-08778 [132], Malapert11 [350]	KuchcinskiW03 [302]	abs-2306-05747 [476], AlfieriGPS23 [11], TasselGS23 [475], KameugneFND23 [273], MullerMKP22 [372], FetgoD22 [174], ColT22 [134], YuraszekMPV22 [542], OuelletQ22 [398], Teppan22 [478], FanXG21 [171], AntuoriHHEN21 [15], Lemos21 [315], ArmstrongGOS21 [18], MejiaY20 [358], SacramentoSP20 [433], TangB20 [472], BarzegaranZP20 [50], CauwelaertDS20 [123], abs-1911-04766 [193], FrohnerTR19 [181], Tom19 [487], ColT19 [133], GeibingerMM19 [194], CauwelaertLS18 [122], OuelletQ18 [397], LaborieRSV18 [308], KameugneFGOQ18 [272], Madi-WambaB16 [347]... (Total: 49)
ProgLanguages	Julia			HebrardALLCMR22 [230], Astrand21 [25]
ProgLanguages	Lisp			Wallace96 [522]
ProgLanguages	Prolog	ArmstrongGOS21 [18], FalaschiGMP97 [169], Zhou97 [554], LammaMM97 [312], Wallace96 [522], Touraivane95 [491], Simonis95 [460], DincbasSH90 [156]	BadicaBI20 [29], MossigeGSMC17 [369], Madi-WambaLOBM17 [348], Malapert11 [350], MartinPY01 [355], RodosekW98 [428], Zhou96 [553], SimonisC95 [462], BeldiceanuC94 [67], AggounB93 [7]	PopovicCGNC22 [415], ArmstrongGOS22 [19], ZarandiASC20 [545], abs-1902-01193 [10], YangSS19 [537], CauwelaertLS18 [122], JelinekB16 [265], LetortCB15 [318], LetortCB13 [317], LetortBC12 [316], TrojetHL11 [500], BeldiceanuCDP11 [69], Menana11 [359], BartakCS10 [45], AronssonBK09 [20], BeldiceanuCP08 [70], KrogtLPHJ07 [505], Simonis07 [461], QuSN06 [424], Geske05 [198], PoderBS04 [412], Bartak02 [43], BeldiceanuC02 [68], Beck99 [51], KorbaaYG99 [287], BeckF98 [56], Darby-DowmanLMZ97 [138], BrusoniCLMMT96 [110], Goltz95 [208], ErtlK91 [164]
ProgLanguages	Python	KoehlerBFFHPSSS21 [285]	abs-2211-14492 [466], AbreuN22 [142], AbreuAPNM21 [141], LaborieRSV18 [308]	EfthymiouY23 [161], SquillaciPR23 [464], Mehdizadeh-Somarin23 [357], AbreuNP23 [143], KimCMLLP23 [282], MontemanniD23 [368], PovedaAA23 [417], MontemanniD23a [367], AkramNHRSA23 [9], NaderiNRR23 [378], FetgoD22 [174], PohlAK22 [413], MullerMKP22 [372], ZhangBB22 [549], LuoB22 [346], CampeauG22 [113], KlankeBYE21 [283], FanXG21 [171], Lemos21 [315], HanenKP21 [225], BenderWS21 [73], AbohashimaEG21 [2], Lunardi20 [344], LunardiBLRV20 [343], Mercier-AubinGQ20 [362], FrimodigS19 [180], BehrensLM19 [65], FrohnerTR19 [181], GalleguillosKSB19 [183]... (Total: 37)

6.5 Concept Type CPSystems

Table 14: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	CHIP	TrojetHL11 [500], Simonis07 [461], GruianK98 [217], Wallace96 [522], Simonis95 [460], Goltz95 [208], SimonisC95 [462], BeldiceanuC94 [67], AggounB93 [7], DincbasSH90 [156]	ArmstrongGOS21 [18], YangSS19 [537], LaborieRSV18 [308], HookerH18 [257], Geske05 [198], PoderBS04 [412], Timpe02 [486], Beck99 [51], RodosekW98 [428], Zhou97 [554], LammaMM97 [312]	PrataAN23 [420], TardivoDFMP23 [474], KameugneFND23 [273], LuoB22 [346], FetgoD22 [174], BourreauGGLT22 [105], PopovicCGNC22 [415], Godet21a [202], KlankeBYE21 [283], GodetLHS20 [203], abs-1902-01193 [10], BaptisteB18 [35], KameugneFGOQ18 [272], CauwelaertLS18 [122], GoldwaserS18 [207], GokgurHO18 [205], MossigeGSMC17 [369], Pralet17 [418], KreterSS17 [299], Madi-WambaB16 [347], Dejemeppe16 [146], FontaineMH16 [176], ZhouGL15 [555], SimoninAHL15 [459], LetortCB15 [318], Siala15a [456], KreterSS15 [298], GrimesIOS14 [214], KameugneFSN14 [275]... (Total: 61)
CPSystems	CPO	NaderiRR23 [378], LacknerMMWW23 [310], JuvinHHL23 [268], Bit-Monnot23 [84], CzerniachowskaWZ23 [136], WinterMMWW22 [531], ZhangBB22 [549], ColT22 [134], NaderiBZ22 [377], LacknerMMWW21 [309], ArmstrongGOS21 [18], Lunardi20 [344], NattafM20 [381], GroleazNS20 [216], Polo-MejiaALB20 [414], GroleazNS20a [215], SacramentoSP20 [433], GeibingerMM19 [194], ColT19 [133], MalapertN19 [351], LaborieRSV18 [308], CappartTSR18 [115], KreterSS17 [299], GoelSHFS15 [204], PraletLJ15 [419], Laborie09 [306]	AalianPG23 [1], abs-1911-04766 [193], Dejemeppe16 [146], NuijtenA94 [392]	JuvinHL23 [269], PovedaAA23 [417], OujanaAYB22 [399], GeibingerMM21 [195], abs-2102-08778 [132], TangB20 [472], Laborie18a [307], Pralet17 [418], VilimLS15 [518], BartakSR10 [47], GarridoAO09 [185], Vilim09 [513], GarridoOS08 [186], BeldiceanuC94 [67]
CPSystems	Choco Solver	TasselGS23 [475], abs-2306-05747 [476], Godet21a [202], LetortCB15 [318], Derrien15 [151], LetortCB13 [317], OuelletQ13 [396], LetortBC12 [316], Menana11 [359], Malapert11 [350], GrimesHM09 [213], abs-0907-0939 [410], GarridoAO09 [185], GarridoOS08 [186]	KameugneFND23 [273], MullerMKP22 [372], FetgoD22 [174], AntuoriHHEN21 [15], AntuoriHHEN20 [14], LiuLH19 [327], FahimiOQ18 [168], KameugneFGOQ18 [272], LaborieRSV18 [308], GayHS15 [188], KoschB14 [289], DerrienPZ14 [153], DerrienP14 [152], HermenierDL11 [245], ClercqPBJ11 [129]	BourreauGGLT22 [105], OuelletQ22 [398], GodetLHS20 [203], YangSS19 [537], OuelletQ18 [397], GingrasQ16 [200], Madi-WambaB16 [347], EvenSH15a [167], MurphyMB15 [374], EvenSH15 [166], BessiereHMqw14 [81], BartakSR10 [47], RossiTHP07 [431], NethercoteSBBDT07 [382]
CPSystems	Chuffed	LacknerMMWW23 [310], PovedaAA23 [417], BoudreaultSLQ22 [104], MullerMKP22 [372], LacknerMMWW21 [309], GeibingerMM21 [195], ArmstrongGOS21 [18], Godet21a [202], KoehlerBFFHPSSS21 [285], WallaceY20 [523], GodetLHS20 [203], abs-1911-04766 [193], YoungFS17 [539], KreterSS17 [299], SzerediS16 [470], KreterSS15 [298]	GoldwaserS18 [207]	SchuttS16 [447]
CPSystems	Claire	Siala15a [456], Malapert11 [350], DemasseY03 [149], BaptisteP00 [38]	Menana11 [359], BaptisteP97 [37]	HebrardALLCMR22 [230], HananKP21 [225], Godet21a [202], Derrien15 [151], PapaB98 [404]

Table 14: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	Cplex	CzerniachowskaWZ23 [136], NaderiRR23 [378], SubulanC22 [465], NaderiBZ22 [377], BourreauGGLT22 [105], MullerMKP22 [372], WinterMMW22 [531], HubnerGSV21 [260], GeibingerKKMMW21 [192], KoehlerBFFHPSSS21 [285], PandeyS21a [401], Bedhief21 [63], Lemos21 [315], HamPK21 [223], QinDCS20 [423], ZouZ20 [559], SacramentoSP20 [433], MejiaY20 [358], LunardiBLRV20 [343], Lunardi20 [344], MengZRZL20 [360], MurinR19 [373], GeibingerMM19 [194], abs-1911-04766 [193], NishikawaSTT19 [386], GurEA19 [560], LaborieRSV18 [308], NishikawaSTT18 [384], NishikawaSTT18a [385]... (Total: 40)	LacknerMMWW23 [310], MehdiZadeh-Somarin23 [357], AbreuNP23 [143], IsikYA23 [262], CampeauG22 [113], YunusogluY22 [540], LuoB22 [346], ColT22 [134], TouatBT22 [490], LacknerMMWW21 [309], KovacsTKSG21 [297], QinWSLS21 [422], ArmstrongGOS21 [18], MokhtarzadehTNF20 [364], NattafM20 [381], WallaceY20 [523], abs-1902-09244 [228], MalapertN19 [351], Novas19 [388], DoulabiRP16 [159], HechingH16 [233], VilimLS15 [518], BofilIGSV15 [92], NattafAL15 [379], PraletLJ15 [419], BofilEGPSV14 [91], GrimesIOS14 [214], HeinzKB13 [236], HeinzB12 [235]... (Total: 43)	AlfieriGPS23 [11], JuvinHL23 [269], SquillaciPR23 [464], GurPAE23 [220], PovedaAA23 [417], YuraszcekMCCR23 [543], AalianPG23 [1], FarsiTM22 [172], abs-2211-14492 [466], YuraszcekMPV22 [542], PohlAK22 [413], PopovicCGNC22 [415], AbreuN22 [142], ZhangYW21 [550], abs-2102-08778 [132], GeibingerMM21 [195], FanXG21 [171], Astrand21 [25], VlkHT21 [520], KlankeBYE21 [283], AbreuAPNM21 [141], TangB20 [472], Polo-MejiaALB20 [414], GroleazNS20a [215], FrimodigS19 [180], BogaerdTW19 [504], EscobetPQPRA19 [165], KucukY19 [304], TranPZLDB18 [495]... (Total: 88)
CPSystems	ECLiPSe	BadicaBI20 [29], BadicaBIL19 [30], NethercoteSBBDT07 [382], RodosekW98 [428]	Malapert11 [350], SchuttFSW11 [444], KamarainenS02 [270], Darby-DowmanLMZ97 [138], Wallace96 [522]	FanXG21 [171], MejiaY20 [358], WikarekS19 [530], HookerH18 [257], ZeballosQH10 [547], SchuttFSW09 [442], BeniniBGM06 [77], ChuX05 [127], QuirogaZH05 [425], MartinPY01 [355], LammaMM97 [312]
CPSystems	Gecode	TardivoDFMP23 [474], Astrand21 [25], BadicaBI20 [29], AstrandJZ20 [28], BadicaBIL19 [30], SzerediS16 [470], ZhouGL15 [555], GayHS15 [188], KameugneFSN14 [275], OhrimenkoSC09 [395], NethercoteSBBDT07 [382]	MullerMKP22 [372], AntuoriHHEN21 [15], GeibingerKKMMW21 [192], AstrandOF21 [26], FrohnerTR19 [181], abs-1911-04766 [193], GeibingerMM19 [194], LaborieRSV18 [308], BurtLPS15 [111], BofilEGPSV14 [91], KovacsK11 [294], KameugneFSN11 [274], Malapert11 [350], ThiruvadyBME09 [483]	ArmstrongGOS21 [18], WessenCS20 [529], WallaceY20 [523], MengZRZL20 [360], FrimodigS19 [180], YangSS19 [537], MusliuSS18 [376], CauwelaertLS18 [122], AstrandJZ18 [27], GoldwasserS18 [207], GoldwasserS17 [206], Dejemeppe16 [146], PesantRR15 [409], MonetteDD07 [365]
CPSystems	Gurobi	WangB23 [525], NaderiRR23 [378], LacknerMMWW23 [310], WinterMMW22 [531], ZhangBB22 [549], KovacsTKSG21 [297], GeibingerKKMMW21 [192], KoehlerBFFHPSSS21 [285], LacknerMMWW21 [309], Lemos21 [315], WangB20 [524], WallaceY20 [523], FrohnerTR19 [181], MusliuSS18 [376]	VlkHT21 [520], GoldwasserS18 [207], GoldwasserS17 [206], FontaineMH16 [176]	KimCMLLP23 [282], abs-2305-19888 [241], MontemanniD23 [368], HeinzNVH22 [240], PohlAK22 [413], HubnerGSV21 [260], FanXG21 [171], KlankeBYE21 [283], AbohashimaEG21 [2], BenediktMH20 [75], MengZRZL20 [360], He0GLW18 [229], DemirovicS18 [150], BenediktSMVH18 [76], BurtLPS15 [111], PesantRR15 [409]
CPSystems	Ilog Scheduler	GrimesH11 [211], Malapert11 [350], ZeballosQH10 [547], Laborie03 [305]	LaborieRSV18 [308], NovasH12 [390], HeinzB12 [235], LimtanyakulS12 [325], HeckmanB11 [234], BeckFW11 [55], GrimesHM09 [213], WatsonB08 [528], ZeballosH05 [546], BeckR03 [59], Beck99 [51], NuijtenP98 [393]	Laborie18a [307], SchuttS16 [447], TranWDRFOVB16 [499], TerekhovTDB14 [480], NovasH14 [391], BeniniLMR11 [78], KovacsB11 [292], SchuttFSW11 [444], LahimerLH11 [311], HachemiGR11 [221], LopesCSM10 [339], abs-1009-0347 [443], NovasH10 [389], Vilim09a [514], RuggieroBBMA09 [432], BidotVLB09 [82], KovacsB08 [291], MouraSCL08a [370], MouraSCL08 [371], HoeveGSL07 [506], Beck07 [53], Rodriguez07 [430], Simonis07 [461], BeckW07 [62], KovacsV06 [296], Beck06 [52], Hooker06 [252], WuBB05 [535], ArtiouchineB05 [24]... (Total: 45)
CPSystems	Ilog Solver		GrimesH11 [211], ZeballosQH10 [547]	abs-1902-01193 [10], LaborieRSV18 [308], HookerH18 [257], Dejemeppe16 [146], ZarandiKS16 [544], Siala15a [456], PesantRR15 [409], BonfiettiLBM14 [96], NovasH14 [391], OzturkTHO13 [400], BonfiettiLBM12 [95], NovasH12 [390], HeinzB12 [235], LombardiM12a [336], KelbelH11 [278], BonfiettiLBM11 [94], BajestaniB11 [31], KovacsK11 [294], KovacsB11 [292], TopalogluO11 [488], LombardiM10 [335], abs-1009-0347 [443], LopesCSM10 [339], Lombardi10 [330], LombardiM09 [333], RuggieroBBMA09 [432], MouraSCL08a [370], MouraSCL08 [371], KovacsB08 [291]... (Total: 52)

Table 14: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	MiniZinc	LacknerMMWW23 [310], TardivoDFMP23 [474], ColT22 [134], BoudreaultSLQ22 [104], MullerMKP22 [372], JungblutK22 [267], ArmstrongGOS21 [18], KoehlerBFFHPSSS21 [285], LacknerMMWW21 [309], Mercier-AubinGQ20 [362], WallaceY20 [523], abs-1911-04766 [193], ColT19 [133], FrohnerTR19 [181], GeibingerMM19 [194], HookerH18 [257], YoungFS17 [539], LiuCGM17 [328], SzerediS16 [470], BofilLEGPSV14 [91], KelarevaTK13 [277], NethercoteSBBDT07 [382]	PovedaAA23 [417], Godet21a [202], MusliuSS18 [376], KreterSS17 [299], KreterSS15 [298]	Bit-Monnot23 [84], OuelletQ22 [398], GeibingerKKMMW21 [192], abs-2102-08778 [132], abs-1901-07914 [66], FrimodigS19 [180], BehrensLM19 [65], DemirovicS18 [150], CappartTSR18 [115], TranVNB17 [497], FontaineMH16 [176], SchuttS16 [447], BurtLPS15 [111], HeinzSB13 [239], SchuttFS13 [441]
CPSystems	Mistral	JuvinHHL23 [268], Siala15a [456], Malapert11 [350], GrimesHM09 [213]	Bit-Monnot23 [84], BillautHL12 [83]	SialaAH15 [457]
CPSystems	OPL	LacknerMMWW23 [310], YunusogluY22 [540], MullerMKP22 [372], TouatBT22 [490], ColT22 [134], LacknerMMWW21 [309], PandeyS21a [401], KoehlerBFFHPSSS21 [285], QinDCS20 [423], Novas19 [388], EscobetPQPRA19 [165], TangLWSK18 [473], LaborieRSV18 [308], NovaraNH16 [387], Dejemeppe16 [146], AlesioNBG14 [154], NovasH12 [390], HachemiGR11 [221], ZeballosQH10 [547], Laborie09 [306], KhayatLR06 [280], AggounB93 [7]	SubulanC22 [465], Teppan22 [478], Mercier-AubinGQ20 [362], ZarandiASC20 [545], ZouZ20 [559], MurinR19 [373], HookerH18 [257], Laborie18a [307], CappartTSR18 [115], LimBTBB15 [323], WangMD15 [526], EvenSH15a [167], NovasH14 [391], OzturkTHO13 [400], SerraNM12 [450], HeinzB12 [235], TopalogluO11 [488], EdisO11 [160], KelbelH11 [278], ZibranR11a [558], Menana11 [359], NovasH10 [389], Simonis07 [461], GarganiR07 [184], KrogtLPHJ07 [505], NethercoteSBBDT07 [382], Hooker06 [252], ZeballosH05 [546], QuirogaZH05 [425]... (Total: 34)	abs-2402-00459 [383], GurPAE23 [220], CzerniachowskaWZ23 [136], MontemanniD23 [368], IsikYA23 [262], EfthymiouY23 [161], YuraszeckMCCR23 [543], PerezGSL23 [407], AbreuNP23 [143], abs-2312-13682 [408], GeitzGSSW22 [196], ArmstrongGOS22 [19], ZhangBB22 [549], BoudreaultSLQ22 [104], OujanaAYB22 [399], LiFJZLL22 [319], VlkHT21 [520], Astrand21 [25], Bedhief21 [63], HamPK21 [223], QinWSLS21 [422], Godet21a [202], abs-2102-08778 [132], HubnerGSV21 [260], Lemos21 [315], Lunardi20 [344], WallaceY20 [523], MengZRZL20 [360], BogaerdW19 [504]... (Total: 87)
CPSystems	OR-Tools	abs-2402-00459 [383], LacknerMMWW23 [310], abs-2211-14492 [466], ColT22 [134], MullerMKP22 [372], abs-2102-08778 [132], KovacsTKSG21 [297], LacknerMMWW21 [309], KoehlerBFFHPSSS21 [285], FallahiAC20 [170], ColT19 [133], GayHS15 [188]	EfthymiouY23 [161], BoudreaultSLQ22 [104], GeibingerKKMMW21 [192], Godet21a [202], BarzegaranZP20 [50], LiuCGM17 [328], Dejemeppe16 [146]	Bit-Monnot23 [84], KimCMLLP23 [282], MontemanniD23 [368], AkramNHRSA23 [9], MontemanniD23a [367], Teppan22 [478], KlankeBYE21 [283], MengZRZL20 [360], GroleazNS20 [216], GalleguillosKSB19 [183], BehrensLM19 [65], abs-1901-07914 [66], YangSS19 [537], PourDERB18 [416], BonfiettiZLM16 [100], ZhouGL15 [555], LombardiM12 [337]
CPSystems	OZ	PrataAN23 [420], NaderiRR23 [378], CzerniachowskaWZ23 [136], IsikYA23 [262], NaderiBZ22 [377], YunusogluY22 [540], ZarandiASC20 [545], WikarekS19 [530], GokgurHO18 [205], CohenHB17 [131], TopalogluO11 [488], NovasH10 [389], Lombardi10 [330], RuggieroBBMA09 [432], Demassey03 [149], Layfield02 [314], VanczaM01 [507], SchildW00 [438], BeldiceanuC94 [67]	GeitzGSSW22 [196], BourreauGGLT22 [105], AbreuN22 [142], SubulanC22 [465], PohlAK22 [413], Astrand21 [25], FanXG21 [171], Godet21a [202], GodetLHS20 [203], AstrandJZ20 [28], WessenCS20 [529], CauwelaertDS20 [123], abs-1901-07914 [66], LiuLH19 [327], Novas19 [388], BehrensLM19 [65], CauwelaertLS18 [122], HookerH18 [257], Hooker17 [254], BridiBLMB16 [107], HebrardHJMPV16 [231], Dejemeppe16 [146], BajestaniB13 [32], EdisO11 [160], Menana11 [359], GrimesH11 [211], ZeballosQH10 [547], BocewiczBB09 [89], LiessM08 [320]... (Total: 33)	Mehdizadeh-Somarin23 [357], GurPAE23 [220], MullerMKP22 [372], CampeauG22 [113], HebrardALLCMR22 [230], ZhangJZL22 [548], ArmstrongGOS22 [19], FetgoD22 [174], TouatBT22 [490], abs-2211-14492 [466], LiFJZLL22 [319], PopovicCGNC22 [415], AbreuAPNM21 [141], ArmstrongGOS21 [18], Bedhief21 [63], LacknerMMWW21 [309], QinWSLS21 [422], Lemos21 [315], PandeyS21a [401], WangB20 [524], SacramentoSP20 [433], FallahiAC20 [170], abs-1911-04766 [193], GurEA19 [560], Tom19 [487], abs-1902-09244 [228], FrimodigS19 [180], NishikawaSTT19 [386], GalleguillosKSB19 [183]... (Total: 86)
CPSystems	SICStus	ArmstrongGOS21 [18], LetortCB15 [318], LetortCB13 [317], LetortBC12 [316]	MossigeGSMC17 [369], Malapert11 [350], SchuttFSW11 [444], QuSN06 [424]	ArmstrongGOS22 [19], PopovicCGNC22 [415], YangSS19 [537], Madi-WambaLOBM17 [348], JelinekB16 [265], BeldiceanuCDP11 [69], TrojetHL11 [500], BartakCS10 [45], SchuttFSW09 [442], BeldiceanuCP08 [70], Geske05 [198], Bartak02 [43], BeldiceanuC02 [68]

Table 14: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	Z3	KoehlerBFFHPSSS21 [285], YounespourAKE19 [538], Menana11 [359], SureshMOK06 [468]	NaderiRR23 [378], VlKHT21 [520], WikarekS19 [530], Zhou97 [554]	ZhangW18 [551], BofilI CSV17 [90], BertholdHLMS10 [80], Rodriguez07 [430], Layfield02 [314], Zhou96 [553]

6.6 Concept Type ApplicationAreas

Table 15: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	COVID		GeibingerKKMMW21 [192]	Mehdizadeh-Somarin23 [357], GurPAE23 [220], OujanaAYB22 [399], Lemos21 [315]
ApplicationAreas	HVAC	LimHTB16 [322], LimBTBB15 [323], GrimesIOS14 [214]		
ApplicationAreas	agriculture			AkramNHRSA23 [9], BenderWS21 [73], HamPK21 [223], Astrand21 [25], QinWSLS21 [422], Astrand0F21 [26], MejiaY20 [358]
ApplicationAreas	aircraft	PohlAK22 [413], WangB20 [524], TranDRFWOVB16 [494], BajestaniB13 [32], LombardiM12 [337], BajestaniB11 [31], FrankK05 [178], ArtiouchineB05 [24]	WangB23 [525], Ham18 [222], Simonis07 [461], SakkoutW00 [436]	PrataAN23 [420], PovedaAA23 [417], ZarandiASC20 [545], abs-1902-09244 [228], HookerH18 [257], LaborieRSV18 [308], Lombardi10 [330], Laborie09 [306], KovacsB08 [291], KrogLPHJ07 [505], MartinPY01 [355], GruianK98 [217], Darby-DowmanLMZ97 [138], Wallace96 [522], Simonis95 [460], SimonisC95 [462]
ApplicationAreas	automotive		YuraszeckMPV22 [542], LimtanyakulS12 [325], SunLYL10 [467], Lombardi10 [330], BarlattCG08 [41], SchildW00 [438]	PovedaAA23 [417], NaderiRR23 [378], CzerniachowskaWZ23 [136], NaderiBZ22 [377], AntuoriHHEN21 [15], HubnerGSV21 [260], AbreuAPNM21 [141], KoehlerBFFHPSSS21 [285], VlKHT21 [520], BarzegaranZP20 [50], GeibingerMM19 [194], abs-1911-04766 [193], BonfiettiZLM16 [100], Siala15a [456], AlesioNBG14 [154], BeniniBGM06 [77], KovacsV06 [296], Wallace96 [522]
ApplicationAreas	cable tree	KoehlerBFFHPSSS21 [285]		
ApplicationAreas	car manufacturing		AntuoriHHEN21 [15]	BeldiceanuC94 [67]
ApplicationAreas	container terminal	QinDCS20 [423], SacramentoSP20 [433]	LaborieRSV18 [308]	abs-2312-13682 [408], PerezGSL23 [407], TouatBT22 [490], WallaceY20 [523], ZarandiASC20 [545], FallahiAC20 [170], CauwelaertDS20 [123], CauwelaertDMS16 [121], Dejemeppe16 [146], DejemeppeCS15 [147], NovasH12 [390], LimRX04 [321]
ApplicationAreas	crew-scheduling	ZarandiASC20 [545], PourDERB18 [416]	BourreauGGLT22 [105], Mason01 [356], Touraivane95 [491]	NaderiRR23 [378], WangB23 [525], NaderiBZ22 [377], HeinzNVH22 [240], Lemos21 [315], MokhtarzadehTNF20 [364], TangLWSK18 [473], HookerH18 [257], DoulabiRP16 [159], LipovetzkyBPS14 [326], HachemiGR11 [221], BeldiceanuC02 [68], Bartak02 [43], Bartak02a [42]
ApplicationAreas	dairies			
ApplicationAreas	dairy	EscobetPQPRA19 [165]	PrataAN23 [420]	
ApplicationAreas	datacenter	HermenierDL11 [245]		GalleguillosKSB19 [183], Madi-WambaLOBM17 [348], IfrimOS12 [261], LetortBC12 [316]
ApplicationAreas	datacentre			
ApplicationAreas	day-ahead market			
ApplicationAreas	deep space			HebrardALLCMR22 [230]
ApplicationAreas	drone	MontemanniD23a [367], MontemanniD23 [368], Ham18 [222]		ShaikhK23 [451], Astrand21 [25], Astrand0F21 [26], AntuoriHHEN21 [15], ZarandiASC20 [545]
ApplicationAreas	earth observation	SquillaciPR23 [464], KucukY19 [304], VerfaillieL01 [508]	BensanaLV99 [79]	HebrardHJMPV16 [231], PraletLJ15 [419], SimoninAHL15 [459], KelarevaTK13 [277], OddiPCC03 [394]
ApplicationAreas	earth orbit			SquillaciPR23 [464]
ApplicationAreas	electroplating		RodosekW98 [428]	EfthymiouY23 [161], WallaceY20 [523], NovasH12 [390]
ApplicationAreas	emergency service		EvenSH15a [167], TopalogluO11 [488]	EvenSH15 [166], SakkoutW00 [436]
ApplicationAreas	energy-price	GrimesIOS14 [214], IfrimOS12 [261]		PrataAN23 [420], EscobetPQPRA19 [165], BenediktSMVH18 [76], He0GLW18 [229], LimHTB16 [322]
ApplicationAreas	farming			WinterMMW22 [531], Astrand0F21 [26]
ApplicationAreas	forestry	HachemiGR11 [221]		Astrand0F21 [26]

Table 15: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	hoist	EfthymiouY23 [161], WallaceY20 [523], RodosekW98 [428]	NovasH12 [390], BonfiettiLBM11 [94]	AstrandJZ18 [27], BonfiettiLBM14 [96], BonfiettiM12 [99], BonfiettiLBM12 [95], LombardiBMB11 [332], BeckR03 [59], KorbaaYG99 [287], PapaB98 [404]
ApplicationAreas	medical	ShinBBHO18 [454], Dejemeppe16 [146], WangMD15 [526], TopalogluO11 [488]	ZarandiASC20 [545], HechingH16 [233], DejemeppeD14 [148], RendlPHPR12 [426]	ShaikhK23 [451], AbreuNP23 [143], AkramNHRSA23 [9], IsikYA23 [262], FarsiTM22 [172], YunusogluY22 [540], AbreuN22 [142], Lemos21 [315], GeibingerKKMMW21 [192], AbreuAPNM21 [141], Bedhief21 [63], FallahiAC20 [170], abs-1902-01193 [10], FrimodigS19 [180], Novas19 [388], GurEA19 [560], YounespourAKE19 [538], CappartTSR18 [115], HoYCLLC18 [247], GedikKEK18 [191], TranVNB17 [497], TranVNB17a [498], DoulabiRP16 [159], BridiBLMB16 [107], BoothNB16 [101], BonfiettiLBM14 [96], DoulabiRP14 [158], Lombardi10 [330], Simonis07 [461], Beck99 [51]
ApplicationAreas	nurse	GurPAE23 [220], FarsiTM22 [172], ZarandiASC20 [545], abs-1902-01193 [10], HoYCLLC18 [247], ShinBBHO18 [454], LuoVLBM16 [345], WangMD15 [526], RendlPHPR12 [426], Menana11 [359], Simonis07 [461], Mason01 [356]	OuelletQ22 [398], GeibingerKKMMW21 [192], GeibingerMM21 [195], YounespourAKE19 [538], FrohnerTR19 [181]	PerezGSL23 [407], abs-2312-13682 [408], NaderiBZ22 [377], BourreauGGLT22 [105], FallahiAC20 [170], FrimodigS19 [180], GedikKEK18 [191], NishikawaSTT18a [385], HookerH18 [257], MusliuSS18 [376], DoulabiRP16 [159], Dejemeppe16 [146], DoulabiRP14 [158], TopalogluO11 [488]
ApplicationAreas	offshore		SubulanC22 [465]	BoudreaultSLQ22 [104]
ApplicationAreas	operating room	GurPAE23 [220], NaderiRR23 [378], NaderiBZ22 [377], FarsiTM22 [172], YounespourAKE19 [538], GurEA19 [560], DoulabiRP16 [159], WangMD15 [526], DoulabiRP14 [158]	ZarandiASC20 [545], HookerH18 [257]	PerezGSL23 [407], abs-2312-13682 [408], WangB23 [525], GeibingerMM21 [195], MusliuSS18 [376]
ApplicationAreas	oven scheduling	LacknerMMWW23 [310], LacknerMMWW21 [309]		ColT22 [134]
ApplicationAreas	patient	GurPAE23 [220], FarsiTM22 [172], GurEA19 [560], FrimodigS19 [180], YounespourAKE19 [538], ShinBBHO18 [454], CappartTSR18 [115], HechingH16 [233], Dejemeppe16 [146], DoulabiRP16 [159], WangMD15 [526], DejemeppeD14 [148], RendlPHPR12 [426], TopalogluO11 [488]	GeibingerKKMMW21 [192]	AlferiGPS23 [11], NaderiBZ22 [377], AbreuAPNM21 [141], CauwelaertDS20 [123], MurinR19 [373], HoYCLLC18 [247], DoulabiRP14 [158], Malapert11 [350], Simonis07 [461]
ApplicationAreas	perfect-square	BeldiceanuCDP11 [69], BeldiceanuCP08 [70], AggounB93 [7]		
ApplicationAreas	physician	GeibingerKKMMW21 [192], ShinBBHO18 [454]	Dejemeppe16 [146]	GurPAE23 [220], FarsiTM22 [172], FrimodigS19 [180], HookerH18 [257], WangMD15 [526], TopalogluO11 [488]
ApplicationAreas	pipeline	BegB13 [64], LopesCSM10 [339], Lombardi10 [330], RuggieroBBMA09 [432], MouraSCL08 [371], MouraSCL08a [370], Malik08 [352], ErtlK91 [164]	ZouZ20 [559], TangLWSK18 [473], MalikMB08 [353], BeniniBGM06 [77], WolinskiKG04 [534], BeldiceanuC94 [67]	EfthymiouY23 [161], PopovicCGNC22 [415], HanenKP21 [225], NishikawaSTT19 [386], NishikawaSTT18 [384], NishikawaSTT18a [385], LaborieRSV18 [308], Bonfietti16 [93], GilesH16 [199], GoelSHFS15 [204], SimoninAHL15 [459], BonfiettiLBM14 [96], BeniniLMR11 [78], NovasH10 [389], BarlattCG08 [41], KuchcinskiW03 [302], Wolf03 [532], GruianK98 [217], Darby-DowmanLMZ97 [138], SimonisC95 [462], HookerH18 [257]
ApplicationAreas	radiation therapy	FrimodigS19 [180]		
ApplicationAreas	railway	SvancaraB22 [469], Lemos21 [315], PourDERB18 [416], CappartS17 [114], Acuna-AgostMFG09 [5], AronssonBK09 [20], Rodriguez07 [430], Geske05 [198], RodriguezDG02 [429], MartinPY01 [355], LammaMM97 [312]	ZarandiASC20 [545], LaborieRSV18 [308], TangLWSK18 [473], Mason01 [356], BrusoniCLMMT96 [110]	LuoB22 [346], Godet21a [202], BogaerdTW19 [504], ZhouGL15 [555], BajestaniB15 [33], BajestaniB13 [32], BajestaniB11 [31], AbrilSB05 [4], Wallace96 [522]
ApplicationAreas	real-time pricing		He0GLW18 [229], GrimesIOS14 [214]	LimHTB16 [322]
ApplicationAreas	rectangle-packing	YangSS19 [537], AggounB93 [7]	LuoB22 [346], Malapert11 [350]	MossigeGSMC17 [369], DoulabiRP16 [159], Siala15a [456], VilimLS15 [518], BeldiceanuCDP11 [69], SchuttW10 [448], BeldiceanuCP08 [70]

Table 15: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	robot	IsikYA23 [262], LiFJZLL22 [319], ArmstrongGOS21 [18], Astrand21 [25], KoehlerBFFHPSSS21 [285], WessenCS20 [529], ZarandiASC20 [545], MokhtarzadehTNF20 [364], Lunardi20 [344], MurinR19 [373], abs-1901-07914 [66], BehrensLM19 [65], LaborieRSV18 [308], TranVNB17 [497], MossigeGSMC17 [369], TranVNB17a [498], BoothNB16 [101], NovasH14 [391], NovasH12 [390], BartakSR10 [47], BidotVLB09 [82], ValleMGT03 [502], BeckF98 [56]	PrataAN23 [420], Mehdizadeh-Somarin23 [357], CzerniachowskaWZ23 [136], TouatBT22 [490], YunusogluY22 [540], OujanaAYB22 [399], Astrand0F21 [26], WallaceY20 [523], WikarekS19 [530], NishikawaSTT19 [386], NishikawaSTT18a [385], NishikawaSTT18 [384], Dejemeppe16 [146], VanczaM01 [507], BeckF00 [57], Beck99 [51]	abs-2305-19888 [241], MontemanniD23 [368], HeinzNVH22 [240], FarsiTM22 [172], GeitzGSSW22 [196], MullerMKP22 [372], ColT22 [134], YuraszeckMPV22 [542], HamPK21 [223], ZhangYW21 [550], Godet21a [202], VlkHT21 [520], Bedhief21 [63], FallahiAC20 [170], MengZRZL20 [360], BenediktMH20 [75], MejiaY20 [358], AstrandJZ20 [28], BarzegaranZP20 [50], Novas19 [388], GokgurHO18 [205], Ham18 [222], ZhangW18 [551], AstrandJZ18 [27], ZarandiKS16 [544], TranWDRFOVB16 [499], DoulabiRP16 [159], Derrien15 [151], BajestaniB15 [33]... (Total: 52)
ApplicationAreas	satellite	SquillaciPR23 [464], Godet21a [202], GodetLHS20 [203], KucukY19 [304], LaborieRSV18 [308], HebrardHJMPV16 [231], PraletLJ15 [419], KelarevaTK13 [277], VerfaillieL01 [508], BensanaLV99 [79], PembertonG98 [406]	Laborie09 [306], FrankK05 [178]	EfthymiouY23 [161], TouatBT22 [490], Astrand21 [25], Astrand0F21 [26], ZarandiASC20 [545], TranVNB17 [497], Pralet17 [418], TranWDRFOVB16 [499], SimoninAHL15 [459], BessiereHMQW14 [81], HeinzSB13 [239], SimoninAHL12 [458], RuggieroBBMA09 [432], Rodriguez07 [430], OddiPCC03 [394], NuijtenP98 [393]
ApplicationAreas	semiconductor	ZarandiASC20 [545], MalapertN19 [351], BajestaniB15 [33], NovasH12 [390]	QinWSLS21 [422], GokgurHO18 [205], Davenport10 [139], KrogtLPHJ07 [505]	LacknerMMWW23 [310], YuraszeckMPV22 [542], abs-2211-14492 [466], MullerMKP22 [372], ColT22 [134], ZhangJZL22 [548], FanXG21 [171], LacknerMMWW21 [309], HamPK21 [223], Astrand21 [25], PandeyS21a [401], MengZRZL20 [360], NattafM20 [381], TangB20 [472], Novas19 [388], LaborieRSV18 [308], Ham18 [222], KoschB14 [289], TerekhovTDB14 [480], Malapert11 [350], Lombardi10 [330]
ApplicationAreas	ship building			
ApplicationAreas	shipping line			QinDCS20 [423], LaborieRSV18 [308], KelarevaTK13 [277]
ApplicationAreas	steel cable			AalianPG23 [1]
ApplicationAreas	steel mill	GaySS14 [190], HeinzSSW12 [237], SchausHMCMD11 [437], HentenryckM08 [244], GarganiR07 [184]		abs-2312-13682 [408], PerezGSL23 [407], DoulabiRP16 [159]
ApplicationAreas	super-computer	BorghesiBLMB18 [102], BridiBLMB16 [107], BartoliniBBLM14 [49]		LuoB22 [346], GalleguillosKSB19 [183], Dejemeppe16 [146]
ApplicationAreas	surgery	GurPAE23 [220], FarsiTM22 [172], GurEA19 [560], YounespourAKE19 [538], DoulabiRP16 [159], WangMD15 [526], DoulabiRP14 [158]	ZarandiASC20 [545], TopalogluO11 [488]	AlferiGPS23 [11], NaderiBZ22 [377], Lemos21 [315], FrimodigS19 [180]
ApplicationAreas	torpedo	GoldwaserS18 [207], KletzanderM17 [284], GoldwaserS17 [206]	AntuoriHHEN20 [14]	
ApplicationAreas	vaccine			
ApplicationAreas	yard crane		QinDCS20 [423]	WallaceY20 [523]

6.7 Concept Type Industries

Table 16: Works for Concepts of Type Industries

Type	Keyword	High	Medium	Low
Industries	aerospace industry			SchildW00 [438]
Industries	agricultural industry	WinterMMW22 [531]		
Industries	automotive industry		LimtanyakulS12 [325]	CzerniachowskaWZ23 [136], AntuoriHHEN21 [15], BonfiettiZLM16 [100], SchildW00 [438], Wallace96 [522]
Industries	chemical industry		Timpe02 [486]	LaborieRSV18 [308], GilesH16 [199], LombardiM12 [337], PoderBS04 [412]
Industries	chemical processing industry			GilesH16 [199]
Industries	control system industry			BonfiettiZLM16 [100]
Industries	electricity industry			PopovicCGNC22 [415], Godet21a [202]
Industries	electronics industry			LacknerMMWW23 [310], LacknerMMWW21 [309]
Industries	food industry			OujanaAYB22 [399], GroleazNS20a [215], GroleazNS20 [216], EscobetPQPRA19 [165], HachemiGR11 [221], SimonisC95 [462], Simonis95 [460]
Industries	food-processing industry			KlankeBYE21 [283], abs-1902-09244 [228]
Industries	manufacturing industry			PrataAN23 [420], CzerniachowskaWZ23 [136], LacknerMMWW23 [310], WinterMMW22 [531], YuraszeckMPV22 [542], FanXG21 [171], LacknerMMWW21 [309], Mercier-AubinGQ20 [362], TangB20 [472], EscobetPQPRA19 [165], GedikKEK18 [191]
Industries	mineral industry			Astrand21 [25], Astrand0F21 [26], AstrandJZ20 [28]
Industries	mining industry		AalianPG23 [1]	abs-2402-00459 [383], CampeauG22 [113], Astrand0F21 [26], Astrand21 [25], AstrandJZ20 [28], ThiruvadyWGS14 [484]
Industries	oil industry			AbreuNP23 [143], AbreuAPNM21 [141], LopesCSM10 [339]
Industries	packaging industry			ArmstrongGOS21 [18]
Industries	petro-chemical industry			LaborieRSV18 [308], GilesH16 [199]
Industries	pharmaceutical industry			YuraszeckMCCR23 [543], CzerniachowskaWZ23 [136], GeibingerKKMMW21 [192], NovaraNH16 [387]
Industries	potash industry			Astrand21 [25], Astrand0F21 [26], AstrandJZ20 [28], AstrandJZ18 [27]
Industries	power industry			FrostD98 [182]
Industries	process industry		Timpe02 [486]	HeinzSSW12 [237], Wallace96 [522]
Industries	retail industry			ChapadosJR11 [125]
Industries	services industry			DoomsH08 [157]
Industries	ship repair industry			BoudreaultSLQ22 [104]
Industries	steel industry		DavenportKRSH07 [140]	LacknerMMWW23 [310], KimCMLLP23 [282], IsikYA23 [262], OujanaAYB22 [399], LacknerMMWW21 [309], abs-1902-09244 [228], GoldwaserS18 [207], KletzanderM17 [284], GoldwaserS17 [206], HeinzSSW12 [237], SchausHMCMD11 [437], GrimesH10 [210], GarganiR07 [184]
Industries	steel making industry			
Industries	textile industry	Mercier-AubinGQ20 [362]		ZarandiASC20 [545], BessiereHMQW14 [81]
Industries	tourism industry			LiuCGM17 [328]

6.8 Concept Type Benchmarks

Table 17: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	CSPLib	Siala15a [456], SchausHMCMD11 [437], GarganiR07 [184]	LaborieRSV18 [308], CappartTSR18 [115], MossigeGSMC17 [369], NovaraNH16 [387], HeinzSSW12 [237]	LiuLH19 [327], GelainPRVW17 [197], GaySS14 [190], RendlPHPR12 [426], HentenryckM08 [244], NethercoteSBBDT07 [382]
Benchmarks	Roadef	Siala15a [456]	LetortCB15 [318], LetortCB13 [317], LetortBC12 [316]	CzerniachowskaWZ23 [136], Lemos21 [315], HanenKP21 [225], Polo-MejiaALB20 [414], MalapertN19 [351], Tesch18 [482], OuelletQ18 [397], Tesch16 [481], Menana11 [359], Acuna-AgostMFG09 [5]
Benchmarks	benchmark	IsikYA23 [262], TardivoDFMP23 [474], AlfieriGPS23 [11], JuvinHHL23 [268], ShaikhK23 [451], LacknerMMWW23 [310], PovedaAA23 [417], Bit-Monnot23 [84], NaderiRR23 [378], AbreuNP23 [143], TasselGS23 [475], abs-2306-05747 [476], YuraszeckMCCR23 [543], BoudreaultSLQ22 [104], ZhangJZL22 [548], OuelletQ22 [398], abs-2211-14492 [466], ColT22 [134], TouatBT22 [490], AbreuN22 [142], MullerMKP22 [372], LiFJZLL22 [319], WinterMMW22 [531], Teppan22 [478], HamPK21 [223], abs-2102-08778 [132], KoehlerBFFHPSSS21 [285], PandeyS21a [401], LacknerMMWW21 [309]... (Total: 86)	abs-2402-00459 [383], AkramNHRSA23 [9], YuraszeckMC23 [541], MontemanniD23a [367], KameugneFND23 [273], abs-2305-19888 [241], FetgoD22 [174], OujanaAYB22 [399], NaderiBZ22 [377], ZhangBB22 [549], BourreauGGLT22 [105], HeinzNVH22 [240], Astrand21 [25], AbreuAPNM21 [141], KovacsTKSG21 [297], Lunardi20 [344], MejiaY20 [358], SacramentoSP20 [433], BenediktMH20 [75], AntuoriHHEN20 [14], GroleazNS20 [216], BadicaBI20 [29], MengZRZL20 [360], Novas19 [388], NishikawaSTT19 [386], GeibingerMM19 [194], ArbaouiY18 [17], NishikawaSTT18 [384], FahimiOQ18 [168]... (Total: 74)	PrataAN23 [420], CzerniachowskaWZ23 [136], MontemanniD23 [368], EfthymiouY23 [161], KimCMLLP23 [282], SquillaciPR23 [464], SvancaraB22 [469], JungblutK22 [267], PohlAK22 [413], SubulanC22 [465], YuraszeckMPV22 [542], YunusogluY22 [540], ArmstrongGOS22 [19], Astrand0F21 [26], HubnerGSV21 [260], KlankeBYE21 [283], VlkHT21 [520], ArmstrongGOS21 [18], LunardiBLRV20 [343], NattafM20 [381], AstrandJZ20 [28], ZarandiASC20 [545], QinDCS20 [423], ZouZ20 [559], CauwelaertDS20 [123], abs-1901-07914 [66], BogaerdtW19 [504], FrohnerTR19 [181], MalapertN19 [351]... (Total: 112)
Benchmarks	bitbucket		TardivoDFMP23 [474], Dejemeppe16 [146]	CauwelaertDS20 [123], CauwelaertLS18 [122], He0GLW18 [229], CappartTSR18 [115], CappartS17 [114], CauwelaertDMS16 [121], GayHLS15 [187], GayHS15a [189], DejemeppeCS15 [147], GayHS15 [188], DejemeppeD14 [148], HoundjiSWD14 [259]
Benchmarks	generated instance	IsikYA23 [262], LuoB22 [346], abs-1911-04766 [193]	abs-2312-13682 [408], PerezGSL23 [407], Godet21a [202], MejiaY20 [358], GodetLHS20 [203], Dejemeppe16 [146], Madi-WambaB16 [347], KelbelH11 [278], SchausHMCMD11 [437]	abs-2402-00459 [383], abs-2305-19888 [241], EfthymiouY23 [161], BoudreaultSLQ22 [104], ColT22 [134], YuraszeckMPV22 [542], HeinzNVH22 [240], YunusogluY22 [540], ZhangBB22 [549], abs-2211-14492 [466], TouatBT22 [490], abs-2102-08778 [132], AbreuAPNM21 [141], GeibingerMM21 [195], HanenKP21 [225], Astrand21 [25], AbohashimaEG21 [2], Astrand0F21 [26], MokhtarzadehTNF20 [364], AntuoriHHEN20 [14], LunardiBLRV20 [343], BenediktMH20 [75], Lunardi20 [344], CauwelaertDS20 [123], GeibingerMM19 [194], MalapertN19 [351], YangSS19 [537], KucukY19 [304], MusliuSS18 [376]... (Total: 52)
Benchmarks	github	Lemos21 [315], KoehlerBFFHPSSS21 [285], Godet21a [202]	TardivoDFMP23 [474], PovedaAA23 [417], JungblutK22 [267], BoudreaultSLQ22 [104], HamPK21 [223], GodetLHS20 [203], BenediktMH20 [75], LunardiBLRV20 [343], Siala15a [456]	abs-2402-00459 [383], YuraszeckMC23 [541], SquillaciPR23 [464], JuvinHHL23 [268], YuraszeckMCCR23 [543], Bit-Monnot23 [84], abs-2306-05747 [476], NaderiRR23 [378], TasselGS23 [475], LuoB22 [346], OuelletQ22 [398], ColT22 [134], YuraszeckMPV22 [542], GeitzGSSW22 [196], MullerMKP22 [372], KovacsTKSG21 [297], GeibingerMM21 [195], VlkHT21 [520], AbohashimaEG21 [2], WangB20 [524], Polo-MejiaALB20 [414], FallahiAC20 [170], Lunardi20 [344], ColT19 [133], BehrensLM19 [65], BadicaBIL19 [30], abs-1901-07914 [66], abs-1911-04766 [193], MurinR19 [373]... (Total: 38)
Benchmarks	gitlab		HeinzNVH22 [240]	abs-2305-19888 [241], BoudreaultSLQ22 [104], AntuoriHHEN21 [15], AntuoriHHEN20 [14]

Table 17: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	industrial instance	LuoB22 [346], AntuoriHHEN20 [14]	BonfiettiZLM16 [100], BonfiettiLBM14 [96]	TasselGS23 [475], EfthymiouY23 [161], PovedaAA23 [417], abs-2306-05747 [476], OujanaAYB22 [399], Mercier-AubinGQ20 [362], NattafM20 [381], GroleazNS20 [216], MalapertN19 [351], BofilGSV15 [92], BofilEGPSV14 [91], BonfiettiM12 [99], LombardiBMB11 [332], BonfiettiLBM11 [94]
Benchmarks	industrial partner	BoudreaultSLQ22 [104], Lunardi20 [344], Dejemeppe16 [146]	LacknerMMWW23 [310], ArmstrongGOS21 [18]	WinterMMW22 [531], VlkHT21 [520], LacknerMMWW21 [309], GroleazNS20a [215], Mercier-AubinGQ20 [362], abs-1911-04766 [193], GeibingerMM19 [194], MossigeGSMC17 [369], HebrardHJMPV16 [231], LipovetzkyBPS14 [326], LimtanyakulS12 [325], Malapert11 [350], KovacsV06 [296], KovacsV04 [295]
Benchmarks	industry partner	BurtLPS15 [111], LipovetzkyBPS14 [326]		WinterMMW22 [531], LuoB22 [346], ArmstrongGOS21 [18], abs-1902-09244 [228]
Benchmarks	instance generator	LacknerMMWW23 [310], LacknerMMWW21 [309]	GoldwaserS18 [207]	abs-2402-00459 [383], ArmstrongGOS21 [18], Lunardi20 [344], abs-1911-04766 [193], GoldwaserS17 [206], YoungFS17 [539], Dejemeppe16 [146], BeniniLMR11 [78], Lombardi10 [330], abs-1009-0347 [443], RuggieroBBMA09 [432], LombardiM09 [333], HeipckeCCS00 [242]
Benchmarks	random instance	LacknerMMWW21 [309], WallaceY20 [523], Dejemeppe16 [146]	LacknerMMWW23 [310], EfthymiouY23 [161], WangB23 [525], LetortCB15 [318], KelbelH11 [278]	Mehdizadeh-Somarin23 [357], OuelletQ22 [398], abs-2211-14492 [466], MullerMKP22 [372], VlkHT21 [520], KlankeBYE21 [283], Godet21a [202], HanenKP21 [225], AntuoriHHEN20 [14], LunardiBLRV20 [343], Lunardi20 [344], BenediktMH20 [75], BenediktSMVH18 [76], FahimiOQ18 [168], Hooker17 [254], MossigeGSMC17 [369], CappartS17 [114], Madi-WambaB16 [347], Siala15a [456], KameugneFSN14 [275], DerrienP14 [152], DerrienPZ14 [153], LetortCB13 [317], LimtanyakulS12 [325], BillautHL12 [83], LetortBC12 [316], BartakS11 [46], Hooker06 [252], Hooker05 [250]... (Total: 32)
Benchmarks	real-life	GurPAE23 [220], SubulanC22 [465], WinterMMW22 [531], Astrand21 [25], HubnerGSV21 [260], QinDCS20 [423], GurEA19 [560], WangMD15 [526], BartakSR10 [47], BartakCS10 [45], Bartak02a [42], MartinPY01 [355]	LacknerMMWW23 [310], OujanaAYB22 [399], Lemos21 [315], Astrand0F21 [26], LacknerMMWW21 [309], KlankeBYE21 [283], Lunardi20 [344], FallahiAC20 [170], abs-1911-04766 [193], PourDERB18 [416], MusliuSS18 [376], BartakV15 [48], GaySS14 [190], LimtanyakulS12 [325], RuggieroBBMA09 [432], Tsang03 [501], NuijtenP98 [393], SimonisC95 [462], DincbasSH90 [156]	PrataAN23 [420], EfthymiouY23 [161], PovedaAA23 [417], IsikYA23 [262], GeitzGSSW22 [196], CampeauG22 [113], LuoB22 [346], ColT22 [134], NaderiBZ22 [377], Teppan22 [478], BoudreaultSLQ22 [104], YunusogluY22 [540], YuraszeckMPV22 [542], GeibingerMM21 [195], Godet21a [202], Bedhief21 [63], abs-2102-08778 [132], WallaceY20 [523], GodetLHS20 [203], SacramentoSP20 [433], ZarandiASC20 [545], AstrandJZ20 [28], CauwelaertDS20 [123], GeibingerMM19 [194], YounespourAKE19 [538], MurinR19 [373], GokgurHO18 [205], Laborie18a [307], HookerH18 [257]... (Total: 75)
Benchmarks	real-world	abs-2305-19888 [241], HeinzNVH22 [240], YunusogluY22 [540], ColT22 [134], Lemos21 [315], KoehlerBFFHPSSS21 [285], Astrand21 [25], GeibingerMM21 [195], Lunardi20 [344], MokhtarzadehTNF20 [364], abs-1911-04766 [193], GeibingerMM19 [194], abs-1902-09244 [228], FrohnerTR19 [181], Dejemeppe16 [146], MelgarejoLS15 [8], EvenSH15 [166], EvenSH15a [167], RendIPHPR12 [426], Lombardi10 [330], MouraSCL08a [370], Beck99 [51]	PrataAN23 [420], IsikYA23 [262], abs-2306-05747 [476], AbreuNP23 [143], TasselGS23 [475], AalianPG23 [1], WangB23 [525], YuraszeckMCCR23 [543], SvanaraB22 [469], OujanaAYB22 [399], LuoB22 [346], MullerMKP22 [372], ArmstrongGOS21 [18], WessenCS20 [529], ZarandiASC20 [545], TangB20 [472], WallaceY20 [523], AstrandJZ20 [28], ParkUJR19 [405], YounespourAKE19 [538], FrimodigS19 [180], RiahiNS018 [427], HookerH18 [257], HoYCLLC18 [247], LaborieRSV18 [308], PourDERB18 [416], ShinBBHO18 [454], TranVNB17 [497], HechingH16 [233]... (Total: 40)	abs-2402-00459 [383], KimCMLLP23 [282], abs-2312-13682 [408], PovedaAA23 [417], JuvinHL23 [269], Bit-Monnot23 [84], TardivoDFMP23 [474], CzerniachowskaWZ23 [136], PerezGSL23 [407], ShaikhK23 [451], BourreauGGLT22 [105], CampeauG22 [113], JungblutK22 [267], AbreuN22 [142], ArmstrongGOS22 [19], SubulanC22 [465], FetgoD22 [174], PohlAK22 [413], BoudreaultSLQ22 [104], GeitzGSSW22 [196], GeibingerKKMMW21 [192], AbohashimaEG21 [2], KovacsTKSG21 [297], Astrand0F21 [26], abs-2102-08778 [132], AbreuAPNM21 [141], HillTV21 [246], BadicaBI20 [29], SacramentoSP20 [433]... (Total: 101)

Table 17: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	supplementary material	FarsiTM22 [172], Lunardi20 [344], MejiaY20 [358]	MontemanniD23 [368], SchuttFSW13 [445]	JuvinHHL23 [268], abs-2306-05747 [476], TasselGS23 [475], WinterMMW22 [531], ColT22 [134], BoudreaultSLQ22 [104], YunusogluY22 [540], KovacsTKSG21 [297], ArmstrongGOS21 [18], AntuoriHHEN21 [15], LacknerMMWW21 [309], MengZRZL20 [360]
Benchmarks	zenodo	LacknerMMWW23 [310], SacramentoSP20 [433]		KimCMLLP23 [282], WinterMMW22 [531], ArmstrongGOS21 [18]

6.9 Concept Type Algorithms

Table 18: Works for Concepts of Type Algorithms

Type	Keyword	High	Medium	Low
Algorithms	bi-partite matching			HookerH18 [257], Simonis07 [461], Kumar03 [303]
Algorithms	edge-finder	KameugneFND23 [273], FetgoD22 [174], GingrasQ16 [200], KameugneFSN14 [275], Lombardi10 [330], BaptisteP00 [38]	OuelletQ13 [396], KelbelH11 [278], PapaB98 [404]	BaptisteB18 [35], BonfiettiZLM16 [100], GuSS13 [218], SchuttFSW11 [444], HeckmanB11 [234], BidotVLB09 [82], SchuttFSW09 [442], BeckW07 [62], BeckW05 [61], BeckR03 [59], ValleMGT03 [502], SakkoutW00 [436], BaptisteP97 [37], Zhou97 [554]
Algorithms	edge-finding	KameugneFND23 [273], JuvinHHL23 [268], TardivoDFMP23 [474], OuelletQ22 [398], FetgoD22 [174], CauwelaertDS20 [123], YangSS19 [537], GokgurHO18 [205], BaptisteB18 [35], HookerH18 [257], FahimiOQ18 [168], KreterSS17 [299], Dejemeppe16 [146], Derrien15 [151], Kameugne15 [271], GayHS15a [189], KameugneFSN14 [275], OuelletQ13 [396], SchuttFS13a [440], Malapert11 [350], SchuttFSW11 [444], KameugneFSN11 [274], ClercqPBJ11 [129], Vilim11 [515], Vilim09 [513], ArtiouchineB05 [24], VilimBC05 [517], Hooker05 [250], VilimBC04 [516]... (Total: 39)	BoudreaultSLQ22 [104], LaborieRSV18 [308], Tesch18 [482], GingrasQ16 [200], CauwelaertDMS16 [121], Siala15a [456], LetortCB15 [318], DejemeppeCS15 [147], LetortCB13 [317], LombardiM12 [337], LetortBC12 [316], BartakSR10 [47], Lombardi10 [330], LiessM08 [320], HoeveGSL07 [506], MonetteDD07 [365], Vilim04 [511], Bartak02 [43], SchildW00 [438], Zhou97 [554]	CampeauG22 [113], Astrand21 [25], Godet21a [202], WallaceY20 [523], OuelletQ18 [397], CauwelaertLS18 [122], NattafAL17 [380], Tesch16 [481], SialaAH15 [457], GayHLS15 [187], DerrienP14 [152], GuSS13 [218], OzturkTHO13 [400], ChuGNSW13 [126], HeinzSB13 [239], LimtanyakulS12 [325], BeldiceanuCDP11 [69], HeckmanB11 [234], KelbelH11 [278], GrimesH11 [211], KovacsB11 [292], SchuttW10 [448], GrimesH10 [210], Vilim09a [514], abs-0907-0939 [410], GrimesHM09 [213], BidotVLB09 [82], BeldiceanuCP08 [70], Malik08 [352]... (Total: 48)
Algorithms	energetic reasoning	TardivoDFMP23 [474], FetgoD22 [174], OuelletQ22 [398], HanenKP21 [225], CauwelaertLS18 [122], OuelletQ18 [397], Tesch18 [482], NattafAL17 [380], Tesch16 [481], GayHS15a [189], NattafAL15 [379], DerrienP14 [152], SchuttFS13a [440], LimtanyakulS12 [325], HeinzS11 [238], Vilim11 [515], Lombardi10 [330], Laborie03 [305]	KameugneFND23 [273], KameugneFGOQ18 [272], SchuttFS13 [441]	IsikYA23 [262], BoudreaultSLQ22 [104], ArmstrongGOS21 [18], YangSS19 [537], GokgurHO18 [205], Laborie18a [307], HookerH18 [257], BofillCSV17 [90], GingrasQ16 [200], LetortCB15 [318], Derrien15 [151], KameugneFSN14 [275], LetortCB13 [317], OuelletQ13 [396], LombardiM12 [337], Malapert11 [350], LahimerLH11 [311], ClercqPBJ11 [129], BeldiceanuCDP11 [69], abs-0907-0939 [410], Vilim09 [513], Vilim09a [514], Limtanyakul07 [324], WolfS05 [533], BaptisteP00 [38], PapaB98 [404], FanXG21 [171], ZarandiASC20 [545], Kumar03 [303]
Algorithms	max-flow		LopesCSM10 [339], MouraSCL08 [371], Muscettola02 [375]	
Algorithms	not-first	KameugneFND23 [273], KameugneFGOQ18 [272], FahimiOQ18 [168], Dejemeppe16 [146], GayHS15a [189], SchuttFSW11 [444], Malapert11 [350], VilimBC05 [517], ArtiouchineB05 [24], Demasse03 [149], Beck99 [51]	TardivoDFMP23 [474], FetgoD22 [174], GokgurHO18 [205], HookerH18 [257], OuelletQ18 [397], Kameugne15 [271], DejemeppeCS15 [147], KameugneFSN14 [275], OuelletQ13 [396], Lombardi10 [330], SchuttW10 [448], BartakSR10 [47], MonetteDD07 [365], VilimBC04 [516], Wolf03 [532], BeckF00 [57]	JuvinHHL23 [268], OuelletQ22 [398], BoudreaultSLQ22 [104], Astrand21 [25], CauwelaertDS20 [123], CauwelaertLS18 [122], Tesch16 [481], CauwelaertDMS16 [121], ChuGNSW13 [126], LimtanyakulS12 [325], KameugneFSN11 [274], Vilim09 [513], Laborie03 [305], SourdN00 [463]
Algorithms	not-last	TardivoDFMP23 [474], KameugneFND23 [273], FahimiOQ18 [168], KameugneFGOQ18 [272], OuelletQ18 [397], Dejemeppe16 [146], GayHS15a [189], Malapert11 [350], SchuttW10 [448], ArtiouchineB05 [24], SchuttWS05 [449], Vilim05 [512], VilimBC05 [517], Vilim04 [511], Wolf03 [532], Demasse03 [149], Beck99 [51]	FetgoD22 [174], CauwelaertDS20 [123], GokgurHO18 [205], Tesch18 [482], Kameugne15 [271], DejemeppeCS15 [147], KameugneFSN14 [275], SchuttFS13a [440], OuelletQ13 [396], SchuttFSW11 [444], Vilim11 [515], KameugneFSN11 [274], Lombardi10 [330], BartakSR10 [47], MonetteDD07 [365], VilimBC04 [516], BeckF00 [57]	JuvinHHL23 [268], BoudreaultSLQ22 [104], GeitzGSSW22 [196], OuelletQ22 [398], Astrand21 [25], GodetLHS20 [203], YangSS19 [537], CauwelaertLS18 [122], HookerH18 [257], CauwelaertDMS16 [121], Tesch16 [481], ChuGNSW13 [126], LimtanyakulS12 [325], GrimesHM09 [213], MonetteDH09 [366], Vilim09a [514], Vilim09 [513], BocewiczBB09 [89], WolfS05 [533], Laborie03 [305], Vilim03 [510]

Table 18: Works for Concepts of Type Algorithms

Type	Keyword	High	Medium	Low
Algorithms	sweep	Tesch18 [482], Tesch16 [481], BonfiettiZLM16 [100], SimoninAHL15 [459], NattafAL15 [379], LetortCB15 [318], GayHS15 [188], Derrien15 [151], DerrienPZ14 [153], LetortCB13 [317], SimoninAHL12 [458], LetortBC12 [316], ClercqPBJ11 [129], Malapert11 [350], abs-0907-0939 [410], BeldiceanuP07 [71], Wolf03 [532], BeldiceanuC02 [68]	FahimiOQ18 [168], GoldwaserS18 [207], GayHS15a [189], AronssonBK09 [20], PoderB08 [411], WolfS05 [533]	KameugneFND23 [273], TardivoDFMP23 [474], HebrardALLCMR22 [230], GeitzGSSW22 [196], FetgoD22 [174], OuelletQ22 [398], Godet21a [202], FallahiAC20 [170], KameugneFGOQ18 [272], CauwelaertLS18 [122], Madi-WambaLOBM17 [348], GingrasQ16 [200], Dejemeppe16 [146], BartakV15 [48], EvenSH15 [166], EvenSH15a [167], DerrienP14 [152], BonfiettiLBM14 [96], GaySS14 [190], OuelletQ13 [396], BeldiceanuCDP11 [69], Vilim11 [515], Lombardi10 [330], LombardiM10a [334], BartakSR10 [47], BeldiceanuCP08 [70], KovacsB08 [291], Simonis07 [461], VilimBC05 [517], Vilim04 [511]
Algorithms	time-tabling	TardivoDFMP23 [474], ShaikhK23 [451], OuelletQ22 [398], Lemos21 [315], DemirovicS18 [150], FahimiOQ18 [168], GayHS15a [189], OuelletQ13 [396], Menana11 [359], HeinzS11 [238], Laborie03 [305], ElkhayariGJ02a [163], Wallace96 [522]	Godet21a [202], Astrand21 [25], WallaceY20 [523], ZarandiASC20 [545], abs-1902-01193 [10], HookerH18 [257], CauwelaertLS18 [122], Tesch18 [482], OuelletQ18 [397], Siala15a [456], Derrien15 [151], GayHS15 [188], BofilIGSV15 [92], Vilim11 [515], Demassey03 [149], Bartak02 [43]	PrataAN23 [420], KameugneFND23 [273], LacknerMMWW23 [310], AbreuNP23 [143], TouatBT22 [490], FarsiTM22 [172], SvancaraB22 [469], FetgoD22 [174], GeibingerMM21 [195], MokhtarzadehTNF20 [364], GodetLHS20 [203], LiuLH19 [327], abs-1911-04766 [193], KucukY19 [304], GeibingerMM19 [194], KameugneFGOQ18 [272], AstrandJZ18 [27], BaptisteB18 [35], GoldwaserS18 [207], CohenHB17 [131], YoungFS17 [539], ZarandiKS16 [544], Tesch16 [481], LuoVLBM16 [345], LimBTBB15 [323], WangMD15 [526], VilimLS15 [518], GayHLS15 [187], BofilLEGPSV14 [91]... (Total: 50)

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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 19: 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	[22]
FriedrichFMRST14	FriedrichFMRST14	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	[179]
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	2014	ICRA 2014	[342]
VillaverdeP04	VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	2004	ISCA 2004	[519]
BoucherBVBL97	BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem	1997	PACT 1997	[103]
PapeB97	PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	1997	PACT 1997	[403]
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	[266]
Wallace94	Wallace94	M. Wallace	Applying Constraints for Scheduling	1994	Constraint Programming 1994	[521]

Table 20: 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]
Fatemi-AnarakiMFN22	Fatemi-AnarakiMFN22	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	2022	Omega	[173]
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	Int. J. Prod. Res.	[453]
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	[12]
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	[527]
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	2018	Eur. J. Oper. Res.	[300]
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	2016	Manag. Sci.	[88]
HamC16	HamC16	Andy M. Ham, E. Cakici	Flexible job shop scheduling problem with parallel batch processing machines: MIP and CP approaches	2016	Computers Engineering	[224]
KuB16	KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	2016	Comput. Oper. Res.	[301]
TranAB16	TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	2016	INFORMS J. Comput.	[492]

Table 20: ARTICLE without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
GrimesH15	GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	2015	INFORMS J. Comput.	[212]
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	2014	INFORMS J. Comput.	[87]
TerekhovDOB12	TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	2012	Comput. Ind. Eng.	[479]
BandaSC11	BandaSC11	Maria Garcia de la Banda, Peter J. Stuckey, G. Chu	Solving Talent Scheduling with Dynamic Programming	2011	INFORMS J. Comput.	[144]
HartmannB10	HartmannB10	S. Hartmann, D. Briskorn	A survey of variants and extensions of the resource-constrained project scheduling problem	2010	European Journal of Operational Research	[227]
Jans09	Jans09	Jans, Raf	Solving Lot-Sizing Problems on Parallel Identical Machines Using Symmetry-Breaking Constraints	2009	INFORMS Journal on Computing	[264]
WuBB09	WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	2009	Comput. Oper. Res.	[536]
MercierH08	MercierH08	L. Mercier, Pascal Van Hentenryck	Edge Finding for Cumulative Scheduling	2008	INFORMS Journal on Computing	[361]
Hooker07	Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	2007	Operations Research	[253]
HarjunkskiG02	HarjunkskiG02	I. Harjunkski, Ignacio E. Grossmann	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods	2002	Computers Chemical Engineering	[226]
JainG01	JainG01	V. Jain, Ignacio E. Grossmann	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems	2001	INFORMS Journal on Computing	[263]
TorresL00	TorresL00	P. Torres, P. Lopez	On Not-First/Not-Last conditions in disjunctive scheduling	2000	European Journal of Operational Research	[489]
BruckerDMNP99	BruckerDMNP99	P. Brucker, A. Drexl, R. Möhring, K. Neumann, E. Pesch	Resource-constrained project scheduling: Notation, classification, models, and methods	1999	European Journal of Operational Research	[109]
KolischS97	KolischS97	R. Kolisch, A. Sprecher	PSPLIB - A project scheduling problem library	1997	European Journal of Operational Research	[286]
CarlierP94	CarlierP94	J. Carlier, E. Pinson	Adjustment of heads and tails for the job-shop problem	1994	European Journal of Operational Research	[119]
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	[402]
Taillard93	Taillard93	E. Taillard	Benchmarks for basic scheduling problems	1993	European Journal of Operational Research	[471]
Tay92	Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	1992	Comput. J.	[477]
ApplegateC91	ApplegateC91	D. Applegate, W. Cook	A Computational Study of the Job-Shop Scheduling Problem	1991	ORSA Journal on Computing	[16]
CarlierP89	CarlierP89	J. Carlier, E. Pinson	An Algorithm for Solving the Job-Shop Problem	1989	Management Science	[117]
AdamsBZ88	AdamsBZ88	J. Adams, E. Balas, D. Zawack	The Shifting Bottleneck Procedure for Job Shop Scheduling	1988	Management Science	[6]

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 21: 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	[40]	6

Table 22: 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	[288]	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	[340]	4

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 23: Unmatched Concepts

Type	Name	CaseSensitive	Revision
Industries	steel making industry		0
ApplicationAreas	datacentre		0
ApplicationAreas	day-ahead market		0
ApplicationAreas	ship building		0
ApplicationAreas	vaccine		0
Classification	Modified Generalized Assignment Problem		0
Classification	PP-MS-MMRCPS	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 24: Works from bibtex (Total 46)

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	[346]	2022	CPAIOR 2022	17	0	28	501	634
ZhangBB22 ZhangBB22	J. Zhang, Giovanni Lo Bianco, J. Christopher Beck	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware	Yes	[549]	2022	ICAPS 2022	9	0	0	605	642
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[472]	2020	CPAIOR 2020	16	6	12	565	663
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	[495]	2018	J. Sched.	17	8	26	1312	1434
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	[131]	2017	SAT 2017	17	1	12	381	698
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	[497]	2017	J. Artif. Intell. Res.	68	12	0	1313	1438
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	[498]	2017	IJCAI 2017	5	1	0	579	707
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	[101]	2016	CP 2016	17	21	24	364	710
KuB16 KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	No	[301]	2016	Comput. Res.	9	119	17	No	1445
LuoVLBM16 LuoVLBM16	R. Luo, Richard Anthony Valenzano, Y. Li, J. Christopher Beck, Sheila A. McIlraith	Using Metric Temporal Logic to Specify Scheduling Problems	Yes	[345]	2016	KR 2016	4	0	0	502	719
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	No	[492]	2016	INFORMS J. Comput.	13	72	28	No	1447
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	[494]	2016	SOCS 2016	9	3	0	577	724
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	[499]	2016	AAAI 2016	9	0	0	580	725
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	[33]	2015	J. Sched.	16	17	59	1161	1449
KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[289]	2014	CPAIOR 2014	16	4	18	470	756
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	No	[342]	2014	ICRA 2014	7	16	9	No	758
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[480]	2014	J. Artif. Intell. Res.	38	12	0	1308	1464
BajestaniB13 BajestaniB13	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources	Yes	[32]	2013	J. Artif. Intell. Res.	36	14	0	1160	1466
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[236]	2013	CPAIOR 2013	16	9	15	441	763

Table 24: Works from bibtex (Total 46)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[239]	2013	Constraints An Int. J.	36	7	31	1224	1468
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	[496]	2013	ICAPS 2013	9	0	0	578	770
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[235]	2012	CPAIOR 2012	17	8	21	440	775
TerekhovDOB12 TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	No	[479]	2012	Comput. Ind. Eng.	15	8	48	No	1476
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[493]	2012	ECAI 2012	6	0	0	576	782
BajestaniB11 BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[31]	2011	ICAPS 2011	8	0	0	328	784
BeckFW11 BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	Yes	[55]	2011	INFORMS J. Comput.	14	43	23	1170	1479
HeckmanB11 HeckmanB11	I. Heckman, J. Christopher Beck	Understanding the behavior of Solution-Guided Search for job-shop scheduling	Yes	[234]	2011	J. Sched.	20	0	22	1222	1483
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[292]	2011	Constraints An Int. J.	24	4	26	1240	1485
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[82]	2009	J. Sched.	30	58	20	1182	1499
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	No	[536]	2009	Comput. Oper. Res.	9	42	5	No	1505
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[291]	2008	Eng. Appl. Artif. Intell.	7	5	14	1239	1508
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[528]	2008	CPAIOR 2008	15	14	17	595	825
Beck07 Beck07	J. Christopher Beck	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling	Yes	[53]	2007	J. Artif. Intell. Res.	29	34	0	1167	1512
BeckW07 BeckW07	J. Christopher Beck, N. Wilson	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations	Yes	[62]	2007	J. Artif. Intell. Res.	50	27	0	1172	1513
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[290]	2007	CPAIOR 2007	15	2	12	471	832
Beck06 Beck06	J. Christopher Beck	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling	Yes	[52]	2006	ICAPS 2006	10	0	0	338	838
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[61]	2005	IJCAI 2005	6	0	0	342	847
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[116]	2005	CP 2005	1	0	0	371	848
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[535]	2005	CP 2005	1	0	0	601	863
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[60]	2004	ECAI 2004	5	0	0	341	865
BeckPS03 BeckPS03	J. Christopher Beck, P. Prosser, E. Selensky	Vehicle Routing and Job Shop Scheduling: What's the Difference?	Yes	[58]	2003	ICAPS 2003	10	0	0	340	876
BeckR03 BeckR03	J. Christopher Beck, P. Refalo	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs	Yes	[59]	2003	Ann. Oper. Res.	23	29	0	1171	1525
BeckF00 BeckF00	J. Christopher Beck, Mark S. Fox	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics	Yes	[57]	2000	Artif. Intell.	51	24	19	1168	1539
Beck99 Beck99	J. Christopher Beck	Texture measurements as a basis for heuristic commitment techniques in constraint-directed scheduling	Yes	[51]	1999	University of Toronto, Canada	418	0	0	2483	??
BeckF98 BeckF98	J. Christopher Beck, Mark S. Fox	A Generic Framework for Constraint-Directed Search and Scheduling	Yes	[56]	1998	AI Mag.	30	0	0	1169	1549

Table 24: Works from bibtex (Total 46)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research	Yes	[54]	1997	CP 1997	15	3	12	339	906

D.2 Works by Michela Milano

Table 25: Works from bibtex (Total 24)

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	[102]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1187	1421
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanmarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[100]	2016	CP 2016	17	0	11	363	709
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[107]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1189	1441
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized Dispatching and Scheduling	Yes	[108]	2016	ECAI 2016	2	0	0	366	711
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[331]	2015	CP 2015	16	0	8	496	736
BartoliniBBLM14 BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[49]	2014	CP 2014	16	12	3	336	745
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[96]	2014	Artif. Intell.	28	8	15	1186	1460
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[98]	2014	CPAIOR 2014	16	3	12	361	748
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[97]	2013	ICAPS 2013	5	0	0	360	759
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[338]	2013	ICAPS 2013	2	0	0	500	766
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[95]	2012	CPAIOR 2012	16	2	11	359	772
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[99]	2012	DC SIAAI 2012	3	0	0	362	773
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[337]	2012	Constraints An Int. J.	35	39	68	1252	1473
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[336]	2012	Artif. Intell.	10	3	13	1253	1474
BeniniLMR11 BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[78]	2011	Ann. Oper. Res.	27	18	16	1180	1481
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[94]	2011	CP 2011	15	3	14	358	785
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[332]	2011	CPAIOR 2011	17	1	13	497	794
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[335]	2010	CP 2010	15	1	11	499	802
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[334]	2010	Artif. Intell.	30	8	24	1251	1494

Table 25: Works from bibtex (Total 24)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[333]	2009	CP 2009	15	7	12	498	811
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	[432]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst. CPAIOR 2006	14	9	27	1291	1504
BeniniBGM06 BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[77]	2006	CPAIOR 2006	15	18	10	349	839
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[312]	1997	Artif. Intell. Eng.	15	11	7	1247	1556
BrusoniCLMMT96 BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[110]	1996	ISMIS 1996	10	1	9	367	910

D.3 Works by Andreas Schutt

Table 26: Works from bibtex (Total 24)

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	[537]	2019	CPAIOR 2019	10	1	14	602	680
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[207]	2018	J. Artif. Intell. Res.	32	8	0	1214	1426
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	No	[300]	2018	Eur. J. Oper. Res.	15	25	31	No	1429
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[376]	2018	CPAIOR 2018	17	7	23	520	690
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[206]	2017	CP 2017	16	0	10	424	700
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[299]	2017	Constraints An Int. J.	31	15	20	1242	1436
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[539]	2017	CP 2017	10	6	21	603	708
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[447]	2016	CP 2016	17	3	23	552	721
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[470]	2016	CP 2016	10	9	14	564	722
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[166]	2015	CP 2015	18	3	12	400	730
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[167]	2015	CoRR	16	0	0	1202	1450
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[298]	2015	CP 2015	17	7	16	476	734
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	[484]	2014	J. Heuristics	34	19	18	1309	1465
ChuGNSW13 ChuGNSW13	G. Chu, S. Gaspers, N. Narodytska, A. Schutt, T. Walsh	On the Complexity of Global Scheduling Constraints under Structural Restrictions	Yes	[126]	2013	IJCAI 2013	7	0	0	376	760
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	[218]	2013	CPAIOR 2013	7	10	24	433	762
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[441]	2013	CP 2013	17	10	20	549	768
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[440]	2013	CPAIOR 2013	17	20	27	550	769

Table 26: Works from bibtex (Total 24)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[445]	2013	J. Sched.	17	43	23	1298	1470
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[439]	2012	CPAIOR 2012	17	18	21	548	779
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[444]	2011	Constraints An Int. J.	33	57	23	1297	1488
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[448]	2010	CP 2010	15	13	14	553	804
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	[443]	2010	CoRR	37	0	0	1335	1498
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[442]	2009	CP 2009	16	34	11	551	813
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[449]	2005	INAP 2005	15	6	4	554	860

D.4 Works by Peter J. Stuckey

Table 27: Works from bibtex (Total 23)

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	[537]	2019	CPAIOR 2019	10	1	14	602	680
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[150]	2018	CPAIOR 2018	18	4	16	389	685
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	No	[300]	2018	Eur. J. Oper. Res.	15	25	31	No	1429
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[376]	2018	CPAIOR 2018	17	7	23	520	690
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[299]	2017	Constraints An Int. J.	31	15	20	1242	1436
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	No	[88]	2016	Manag. Sci.	26	20	36	No	1439
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[447]	2016	CP 2016	17	3	23	552	721
BurtLPS15 BurtLPS15	Christina N. Burt, N. Lipovetzky, Adrian R. Pearce, Peter J. Stuckey	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feederate Constraints: A Mine Planning Case Study	Yes	[111]	2015	CPAIOR 2015	17	0	8	368	728
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[298]	2015	CP 2015	17	7	16	476	734
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	No	[87]	2014	INFORMS J. Comput.	19	15	47	No	1459
LipovetzkyBPS14 LipovetzkyBPS14	N. Lipovetzky, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	Planning for Mining Operations with Time and Resource Constraints	Yes	[326]	2014	ICAPS 2014	9	0	0	492	757
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	[218]	2013	CPAIOR 2013	7	10	24	433	762
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[441]	2013	CP 2013	17	10	20	549	768

Table 27: Works from bibtex (Total 23)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[440]	2013	CPAIOR 2013	17	20	27	550	769
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[445]	2013	J. Sched.	17	43	23	1298	1470
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[219]	2012	CP 2012	15	5	20	434	774
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[439]	2012	CPAIOR 2012	17	18	21	548	779
BandaSC11 BandaSC11	Maria Garcia de la Banda, Peter J. Stuckey, G. Chu	Solving Talent Scheduling with Dynamic Programming	No	[144]	2011	INFORMS J. Comput.	18	24	17	No	1477
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[444]	2011	Constraints An Int. J.	33	57	23	1297	1488
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	[443]	2010	CoRR	37	0	0	1335	1498
OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[395]	2009	Constraints	35	127	15	1278	1503
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[442]	2009	CP 2009	16	34	11	551	813
NethercoteSBBDT07 NethercoteSBBDT07	N. Nethercote, Peter J. Stuckey, R. Becket, S. Brand, Gregory J. Duck, G. Tack	MiniZinc: Towards a Standard CP Modelling Language	Yes	[382]	2007	CP 2007	15	344	5	522	836

D.5 Works by Michele Lombardi

Table 28: Works from bibtex (Total 22)

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	[102]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1187	1421
CauwelaertLS18 CauwelaertLS18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[122]	2018	Constraints An Int. J.	36	2	39	1194	1422
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[100]	2016	CP 2016	17	0	11	363	709
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[107]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1189	1441
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized Dispatching and Scheduling	Yes	[108]	2016	ECAI 2016	2	0	0	366	711
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[331]	2015	CP 2015	16	0	8	496	736
BartoliniBBLM14 BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[49]	2014	CP 2014	16	12	3	336	745
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[96]	2014	Artif. Intell.	28	8	15	1186	1460
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[98]	2014	CPAIOR 2014	16	3	12	361	748
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[97]	2013	ICAPS 2013	5	0	0	360	759

Table 28: Works from bibtex (Total 22)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[338]	2013	ICAPS 2013	2	0	0	500	766
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[95]	2012	CPAIOR 2012	16	2	11	359	772
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[337]	2012	Constraints An Int. J.	35	39	68	1252	1473
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[336]	2012	Artif. Intell.	10	3	13	1253	1474
BeniniLMR11 BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[78]	2011	Ann. Oper. Res.	27	18	16	1180	1481
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[94]	2011	CP 2011	15	3	14	358	785
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[332]	2011	CPAIOR 2011	17	1	13	497	794
Lombardi10 Lombardi10	M. Lombardi	Hybrid Methods for Resource Allocation and Scheduling Problems in Deterministic and Stochastic Environments	Yes	[330]	2010	University of Bologna, Italy	175	0	0	2490	??
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[335]	2010	CP 2010	15	1	11	499	802
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[334]	2010	Artif. Intell.	30	8	24	1251	1494
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[333]	2009	CP 2009	15	7	12	498	811
HoeveGSL07 HoeveGSL07	Willem Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[506]	2007	AAAI 2007	6	0	0	448	830

D.6 Works by Emmanuel Hebrard

Table 29: 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	[268]	2023	CP 2023	16	0	0	457	616
HebrardALLCMR22 HebrardALLCMR22	E. Hebrard, C. Artigues, P. Lopez, A. Lussion, Steve A. Chien, A. Maillard, Gregg R. Rabideau	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration	Yes	[230]	2022	IJCAI 2022	7	0	0	437	631
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	[15]	2021	CP 2021	16	0	0	318	644
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	No	[22]	2021	ICORES 2021	8	0	0	No	646
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	[14]	2020	CP 2020	16	3	8	317	656
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	[203]	2020	AAAI 2020	8	1	0	423	658
HebrardHJMPV16 HebrardHJMPV16	E. Hebrard, M. Huguet, N. Jozefowicz, A. Maillard, C. Pralet, G. Verfaillie	Approximation of the parallel machine scheduling problem with additional unit resources	Yes	[231]	2016	Discret. Appl. Math.	10	9	8	1221	1444

Table 29: Works from bibtex (Total 17)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	No	[212]	2015	INFORMS J. Comput.	17	12	41	No	1452
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[457]	2015	CP 2015	10	4	17	557	741
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[459]	2015	Constraints An Int. J.	23	4	5	1302	1457
BessiereHMQW14 BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[81]	2014	CPAIOR 2014	16	1	3	351	746
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[83]	2012	CPAIOR 2012	15	1	19	352	771
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[458]	2012	CP 2012	15	3	8	558	781
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[211]	2011	CP 2011	17	5	18	428	789
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[210]	2010	CPAIOR 2010	15	13	20	427	801
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[213]	2009	CP 2009	9	15	12	429	809
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[232]	2005	CP 2005	1	0	3	438	855

D.7 Works by John N. Hooker

Table 30: Works from bibtex (Total 14)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Hooker19 Hooker19	John N. Hooker	Logic-Based Benders Decomposition for Large-Scale Optimization	No	[255]	2019	Large Scale Optimization in Supply Chains and Smart Manufacturing	26	8	0	No	??
HookerH18 HookerH18	John N. Hooker, Willem Jan van Hoeve	Constraint programming and operations research	Yes	[257]	2018	Constraints An Int. J.	24	12	189	1229	1428
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[254]	2017	CP 2017	14	6	24	451	701
HechingH16 HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[233]	2016	CPAIOR 2016	11	10	0	439	716
CireCH13 CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[128]	2013	CPAIOR 2013	7	3	23	378	761
CobanH10 CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes	[130]	2010	CPAIOR 2010	5	9	9	380	799
Hooker07 Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	No	[253]	2007	Operations Research	null	181	19	No	1514
Hooker06 Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[252]	2006	Constraints An Int. J.	19	19	13	1228	1517
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[250]	2005	Constraints An Int. J.	17	68	11	1227	1521
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[251]	2005	CP 2005	14	30	10	450	856
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[249]	2004	CP 2004	12	39	9	449	867

Table 30: Works from bibtex (Total 14)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[256]	2003	Mathematical Programming	28	317	0	1230	1526
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[258]	2002	CP 2002	5	8	7	452	888
Hooker00 Hooker00	John N. Hooker	Logic Based Methods for Optimization: Combining Optimization and Constraint Satisfaction	No	[248]	2000	Book	null	185	0	No	??

D.8 Works by Nicolas Beldiceanu

Table 31: Works from bibtex (Total 13)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Green Energy Aware Scheduling Problem in Virtualized Datacenters	Yes	[348]	2017	ICPADS 2017	8	1	8	504	704
Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[347]	2016	CPAIOR 2016	16	0	0	503	720
Madi-WambaB16											
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[318]	2015	Constraints An Int. J.	52	2	14	1248	1454
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[317]	2013	CPAIOR 2013	16	3	10	486	765
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[316]	2012	CP 2012	16	18	12	485	777
BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demasse, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[69]	2011	Ann. Oper. Res.	24	8	8	1176	1480
ClercPB11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[129]	2011	CP 2011	16	3	11	379	787
BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[70]	2008	CPAIOR 2008	15	8	9	345	818
BeldiceanuCP08											
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[411]	2008	ICAPS 2008	8	0	0	535	824
BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	Yes	[71]	2007	CPAIOR 2007	15	4	7	346	827
BeldiceanuP07											
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	[412]	2004	Eur. J. Oper. Res.	16	7	8	1282	1524
BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[68]	2002	CP 2002	17	33	9	344	885
BeldiceanuC02											
AggounB93 AggounB93	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	Yes	[7]	1993	Mathematical and Computer Modelling	17	187	11	1154	1562

D.9 Works by Pierre Lopez

Table 32: Works from bibtex (Total 13)

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	[268]	2023	CP 2023	16	0	0	457	616
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[269]	2023	CPAIOR 2023	16	0	11	458	617
HebrardALLCMR22 HebrardALLCMR22	E. Hebrard, C. Artigues, P. Lopez, A. Lussion, Steve A. Chien, A. Maillard, Gregg R. Rabideau	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration	Yes	[230]	2022	IJCAI 2022	7	0	0	437	631
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	[414]	2020	Int. J. Prod. Res.	18	8	23	1284	1403
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[380]	2017	Constraints An Int. J.	18	5	10	1270	1437
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[379]	2015	Constraints An Int. J.	21	14	13	1269	1455
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[459]	2015	Constraints An Int. J.	23	4	5	1302	1457
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[83]	2012	CPAIOR 2012	15	1	19	352	771
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[458]	2012	CP 2012	15	3	8	558	781
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	[311]	2011	CPAIOR 2011	14	3	15	483	793
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	[500]	2011	Comput. Ind. Eng.	7	11	17	1314	1490
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	[340]	2000	Eur. J. Control	4	0	0	1255	1542
TorresL00 TorresL00	P. Torres, P. Lopez	On Not-First/Not-Last conditions in disjunctive scheduling	No	[489]	2000	European Journal of Operational Research	null	26	13	No	1546

D.10 Works by Christian Artigues

Table 33: Works from bibtex (Total 12)

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	[417]	2023	CP 2023	21	0	0	537	622
HebrardALLCMR22 HebrardALLCMR22	E. Hebrard, C. Artigues, P. Lopez, A. Lussion, Steve A. Chien, A. Maillard, Gregg R. Rabideau	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration	Yes	[230]	2022	IJCAI 2022	7	0	0	437	631
PohlAK22 PohlAK22	M. Pohl, C. Artigues, R. Kolisch	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach	Yes	[413]	2022	Eur. J. Oper. Res.	16	4	31	1283	1375

Table 33: Works from bibtex (Total 12)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	No	[22]	2021	ICORES 2021	8	0	0	No	646
Polo-MejiaALB20 Polo-MejiaALB20	O. Polo-Mejia, C. Artigues, P. Lopez, V. Basini	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility	Yes	[414]	2020	Int. J. Prod. Res.	18	8	23	1284	1403
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[380]	2017	Constraints An Int. J.	18	5	10	1270	1437
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[379]	2015	Constraints An Int. J.	21	14	13	1269	1455
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[457]	2015	CP 2015	10	4	17	557	741
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[459]	2015	Constraints An Int. J.	23	4	5	1302	1457
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[458]	2012	CP 2012	15	3	8	558	781
ArtiguesBF04 ArtiguesBF04	C. Artigues, S. Belmokhtar, D. Feillet	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times	Yes	[21]	2004	CPAIOR 2004	13	16	9	323	864
ArtiguesR00 ArtiguesR00	C. Artigues, F. Roubellat	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes	Yes	[23]	2000	Eur. J. Oper. Res.	20	84	3	1157	1537

D.11 Works by Pierre Schaus

Table 34: Works from bibtex (Total 12)

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	[123]	2020	Journal of Scheduling	19	2	21	1193	1397
CappartTSR18 CappartTSR18	Q. Cappart, C. Thomas, P. Schaus, L. Rousseau	A Constraint Programming Approach for Solving Patient Transportation Problems	Yes	[115]	2018	CP 2018	17	6	31	370	684
CauwelaertLS18 CauwelaertLS18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[122]	2018	Constraints An Int. J.	36	2	39	1194	1422
CappartS17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[114]	2017	CPAIOR 2017	16	2	28	369	697
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[121]	2016	CP 2016	16	1	12	373	712
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[147]	2015	CP 2015	16	5	11	387	729
GayHLS15 GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	Yes	[187]	2015	CP 2015	9	20	15	410	731
GayHS15 GayHS15	S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint	Yes	[188]	2015	CP 2015	9	10	9	411	732
GayHS15a GayHS15a	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[189]	2015	CPAIOR 2015	16	5	12	412	733
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[190]	2014	CP 2014	15	7	11	413	754
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[259]	2014	CP 2014	16	5	7	453	755

Table 34: Works from bibtex (Total 12)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[437]	2011	Constraints An Int. J.	23	14	5	1295	1487

D.12 Works by Roman Barták

Table 35: 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	[469]	2022	ICAART 2022	8	0	0	563	638
JelinekB16 JelinekB16	J. Jelínek, R. Barták	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station	Yes	[265]	2016	PADL 2016	10	0	5	455	717
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[48]	2015	ICAART 2015	12	0	0	335	726
Bartak14 Bartak14	R. Barták	Planning and Scheduling	No	[44]	2014	Computing Hand- book, Third Edi- tion: Computer Science and Soft- ware Engineering	null	0	0	No	??
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[46]	2011	Constraints An Int. J.	5	17	3	1165	1478
BartakCS10 BartakCS10	R. Barták, O. Cepek, P. Surynek	Discovering implied constraints in precedence graphs with alternatives	Yes	[45]	2010	Ann. Oper. Res.	31	2	9	1164	1491
BartakSR10 BartakSR10	R. Barták, Miguel A. Salido, F. Rossi	New trends in constraint satisfaction, planning, and scheduling: a survey	Yes	[47]	2010	Knowl. Eng. Rev.	31	28	47	1166	1492
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	[517]	2005	Constraints An Int. J.	23	21	5	1316	1522
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[516]	2004	CP 2004	15	13	4	591	873
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[43]	2002	CP 2002	16	6	4	333	883
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[42]	2002	ERCIM/CologNet 2002	15	1	9	334	884

D.13 Works by Philippe Laborie

Table 36: Works from bibtex (Total 11)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
LunardiBLRV20 LunardiBLRV20	William T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem	Yes	[343]	2020	Comput. Oper. Res.	20	30	18	1257	1399

Table 36: Works from bibtex (Total 11)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[307]	2018	CPAIOR 2018	9	18	10	481	689
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	[308]	2018	Constraints An Int. J.	41	148	35	1245	1430
MelgarejoLS15 MelgarejoLS15	P. Aguiar-Melgarejo, P. Laborie, C. Solnon	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems	Yes	[8]	2015	CPAIOR 2015	17	14	17	509	737
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[518]	2015	CPAIOR 2015	17	31	19	592	742
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[82]	2009	J. Sched.	30	58	20	1182	1499
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[306]	2009	CPAIOR 2009	15	53	2	480	810
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[36]	2006	Handbook of Constraint Programming	39	30	25	No	??
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[201]	2005	ICAPS 2005	9	0	0	422	854
Laborie03 Laborie03	P. Laborie	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results	Yes	[305]	2003	Artificial Intelligence	38	128	10	1244	1528
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[175]	2000	AIPS 2000	10	0	0	401	897

D.14 Works by Petr Vilím

Table 37: 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	[308]	2018	Constraints An Int. J.	41	148	35	1245	1430
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[518]	2015	CPAIOR 2015	17	31	19	592	742
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[515]	2011	CPAIOR 2011	16	28	6	590	795
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$	Yes	[513]	2009	CP 2009	15	25	4	588	815
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[514]	2009	CPAIOR 2009	15	13	4	589	816
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[512]	2005	CPAIOR 2005	14	5	8	587	861
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	[517]	2005	Constraints An Int. J.	23	21	5	1316	1522
Vilim04 Vilim04	P. Vilím	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint	Yes	[511]	2004	CPAIOR 2004	13	22	5	586	872
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[516]	2004	CP 2004	15	13	4	591	873
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[510]	2003	CP 2003	1	1	1	585	881

Table 37: Works from bibtex (Total 11)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[509]	2002	CP 2002	1	6	1	584	891

D.15 Works by Luca Benini

Table 38: Works from bibtex (Total 10)

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	[102]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1187	1421
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[107]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1189	1441
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[108]	2016	ECAI 2016	2	0	0	366	711
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[96]	2014	Artif. Intell.	28	8	15	1186	1460
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[95]	2012	CPAIOR 2012	16	2	11	359	772
BeniniLMR11 BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[78]	2011	Ann. Oper. Res.	27	18	16	1180	1481
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[94]	2011	CP 2011	15	3	14	358	785
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[332]	2011	CPAIOR 2011	17	1	13	497	794
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	[432]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	9	27	1291	1504
BeniniBGM06 BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[77]	2006	CPAIOR 2006	15	18	10	349	839

D.16 Works by Alessio Bonfietti

Table 39: 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	[93]	2016	Intelligenza Artificiale	13	0	19	1185	1440
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[100]	2016	CP 2016	17	0	11	363	709
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[331]	2015	CP 2015	16	0	8	496	736

Table 39: Works from bibtex (Total 10)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[96]	2014	Artif. Intell.	28	8	15	1186	1460
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[98]	2014	CPAIOR 2014	16	3	12	361	748
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[97]	2013	ICAPS 2013	5	0	0	360	759
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[95]	2012	CPAIOR 2012	16	2	11	359	772
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[99]	2012	DC SIAAI 2012	3	0	0	362	773
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[94]	2011	CP 2011	15	3	14	358	785
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[332]	2011	CPAIOR 2011	17	1	13	497	794

D.17 Works by Pascal Van Hentenryck

Table 40: Works from bibtex (Total 10)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
FontaineMH16 FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[176]	2016	CPAIOR 2016	11	3	0	402	713
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[166]	2015	CP 2015	18	3	12	400	730
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[167]	2015	CoRR	16	0	0	1202	1450
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	[437]	2011	Constraints An Int. J.	23	14	5	1295	1487
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[366]	2009	ICAPS 2009	8	0	0	513	812
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[157]	2008	CPAIOR 2008	16	1	2	393	819
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[244]	2008	CPAIOR 2008	5	13	3	444	820
MercierH08 MercierH08	L. Mercier, Pascal Van Hentenryck	Edge Finding for Cumulative Scheduling	No	[361]	2008	INFORMS Journal on Computing	null	32	5	No	1511
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[243]	2004	CPAIOR 2004	16	12	14	443	866
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[156]	1990	J. Log. Program.	19	86	9	1199	1568

D.18 Works by Philippe Baptiste

Table 41: Works from bibtex (Total 9)

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	[35]	2018	Discret. Math. Appl.	10	3	13	1162	1420
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[34]	2009	CP 2009	1	0	0	329	808
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[36]	2006	Handbook of Constraint Programming	39	30	25	No	??
ArtiouchineB05 ArtiouchineB05	K. Artiouchine, P. Baptiste	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs	Yes	[24]	2005	CP 2005	15	3	11	324	846
BaptistePN01 BaptistePN01	P. Baptiste, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling	No	[39]	2001	Book	null	296	0	No	??
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[38]	2000	Constraints An Int. J.	21	46	0	1163	1538
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[404]	1998	Constraints An Int. J.	25	14	0	1281	1552
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[37]	1997	CP 1997	15	8	10	331	905
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[403]	1997	PACT 1997	20	0	0	No	909

D.19 Works by Nysret Musliu

Table 42: 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	[310]	2023	Constraints An Int. J.	42	0	32	1246	1356
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[531]	2022	CP 2022	18	0	0	597	641
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[192]	2021	CPAIOR 2021	10	0	6	414	649
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[195]	2021	AAAI 2021	9	0	0	416	650
LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[309]	2021	CP 2021	18	0	0	482	655
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[194]	2019	CPAIOR 2019	16	6	15	415	673
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	[193]	2019	CoRR	16	0	0	1339	1419
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[376]	2018	CPAIOR 2018	17	7	23	520	690
KletzanderM17 KletzanderM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[284]	2017	CPAIOR 2017	15	1	9	468	702

D.20 Works by Claude-Guy Quimper

Table 43: 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	[104]	2022	CP 2022	16	0	0	365	629
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[398]	2022	CPAIOR 2022	17	1	22	529	635
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[362]	2020	CPAIOR 2020	13	2	13	510	661
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	[168]	2018	Constraints An Int. J.	22	2	20	1203	1423
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Séverine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[272]	2018	CPAIOR 2018	17	1	12	460	688
OuelletQ18 OuelletQ18	Y. Ouellet, C. Quimper	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning	Yes	[397]	2018	CPAIOR 2018	18	6	16	528	693
GingrasQ16 GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[200]	2016	IJCAI 2016	7	0	0	421	715
BessiereHMQW14 BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[81]	2014	CPAIOR 2014	16	1	3	351	746
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[396]	2013	CP 2013	16	12	14	527	767

D.21 Works by Tony T. Tran

Table 44: 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	[495]	2018	J. Sched.	17	8	26	1312	1434
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	[497]	2017	J. Artif. Intell. Res.	68	12	0	1313	1438
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	[498]	2017	IJCAI 2017	5	1	0	579	707
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	No	[492]	2016	INFORMS J. Comput.	13	72	28	No	1447
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	[494]	2016	SOCS 2016	9	3	0	577	724
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	[499]	2016	AAAI 2016	9	0	0	580	725
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[480]	2014	J. Artif. Intell. Res.	38	12	0	1308	1464

Table 44: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[496]	2013	ICAPS 2013	9	0	0	578	770
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[493]	2012	ECAI 2012	6	0	0	576	782

D.22 Works by Mats Carlsson

Table 45: 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	[529]	2020	CPAIOR 2020	10	2	11	596	665
MossigeGSMC17 MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[369]	2017	CP 2017	18	6	33	514	705
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[318]	2015	Constraints An Int. J.	52	2	14	1248	1454
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[317]	2013	CPAIOR 2013	16	3	10	486	765
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[316]	2012	CP 2012	16	18	12	485	777
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[69]	2011	Ann. Oper. Res.	24	8	8	1176	1480
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[70]	2008	CPAIOR 2008	15	8	9	345	818
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[68]	2002	CP 2002	17	33	9	344	885

D.23 Works by Claude Le Pape

Table 46: Works from bibtex (Total 8)

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	[36]	2006	Handbook of Constraint Programming	39	30	25	No	??
BaptistePN01 BaptistePN01	P. Baptiste, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling	No	[39]	2001	Book	null	296	0	No	??
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[38]	2000	Constraints An Int. J.	21	46	0	1163	1538

Table 46: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[393]	1998	J. Heuristics	16	42	0	1277	1551
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[404]	1998	Constraints An Int. J.	25	14	0	1281	1552
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[37]	1997	CP 1997	15	8	10	331	905
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[403]	1997	PACT 1997	20	0	0	No	909
Pape94 Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	No	[402]	1994	Intelligent Systems Engineering	1	98	0	No	1561

D.24 Works by Helmut Simonis

Table 47: Works from bibtex (Total 8)

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	[19]	2022	CPAIOR 2022	13	0	14	321	628
ArmstrongGOS21 ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O’Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[18]	2021	CP 2021	18	1	0	320	645
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O’Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[214]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1215	1461
IfrimOS12 IfrimOS12	G. Ifrim, B. O’Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[261]	2012	CP 2012	16	6	20	454	776
Simonis07 Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[461]	2007	Constraints An Int. J.	30	10	17	1303	1516
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[460]	1995	CP 1995	4	7	3	559	915
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[462]	1995	CP 1995	14	17	8	560	916
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[156]	1990	J. Log. Program.	19	86	9	1199	1568

D.25 Works by Mark Wallace

Table 48: Works from bibtex (Total 8)

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	[523]	2020	Constraints An Int. J.	19	5	18	1319	1406
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	[229]	2018	CP 2018	18	6	26	436	686

Table 48: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[484]	2014	J. Heuristics	34	19	18	1309	1465
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[442]	2009	CP 2009	16	34	11	551	813
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[436]	2000	Constraints An Int. J.	30	73	0	1294	1543
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[428]	1998	CP 1998	15	19	10	545	903
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[522]	1996	Constraints An Int. J.	30	87	55	1318	1558
Wallace94 Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[521]	1994	Constraint Programming 1994	19	0	0	No	920

D.26 Works by Thibaut Feydy

Table 49: Works from bibtex (Total 7)

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	[539]	2017	CP 2017	10	6	21	603	708
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[441]	2013	CP 2013	17	10	20	549	768
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[440]	2013	CPAIOR 2013	17	20	27	550	769
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[445]	2013	J. Sched.	17	43	23	1298	1470
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[444]	2011	Constraints An Int. J.	33	57	23	1297	1488
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	[443]	2010	CoRR	37	0	0	1335	1498
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[442]	2009	CP 2009	16	34	11	551	813

D.27 Works by Zdenek Hanzálek

Table 50: 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	[357]	2023	APMS 2023	14	0	0	508	620

Table 50: Works from bibtex (Total 7)

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	[241]	2023	CoRR	42	0	0	1342	1362
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	[240]	2022	Comput. Ind. Eng.	16	5	25	1223	1372
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[520]	2021	Comput. Ind. Eng.	14	7	22	1317	1390
BenediktMH20 BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	Yes	[75]	2020	Constraints An Int. J.	19	1	18	1179	1396
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[76]	2018	CPAIOR 2018	10	2	12	348	683
KelbelH11 KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[278]	2011	J. Intell. Manuf.	10	12	14	1235	1484

D.28 Works by András Kovács

Table 51: 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	[292]	2011	Constraints An Int. J.	24	4	26	1240	1485
KovacsK11 KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[294]	2011	Constraints An Int. J.	24	3	24	1241	1486
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[291]	2008	Eng. Appl. Artif. Intell.	7	5	14	1239	1508
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[290]	2007	CPAIOR 2007	15	2	12	471	832
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[296]	2006	CPAIOR 2006	13	2	7	475	842
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[293]	2005	CP 2005	1	2	3	472	857
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[295]	2004	CP 2004	15	3	12	474	868

D.29 Works by Gabriela P. Henning

Table 52: 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	[387]	2016	Comput. Chem. Eng.	17	18	31	1272	1446
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[391]	2014	Expert Syst. Appl.	14	35	26	1276	1463
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	[390]	2012	Comput. Chem. Eng.	17	17	15	1275	1475
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[389]	2010	Comput. Chem. Eng. Appl. Artif. Intell.	20	48	19	1274	1496
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	[547]	2010	Eng. Appl. Artif. Intell.	20	33	28	1329	1497
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[425]	2005	ICRA 2005	6	2	7	542	859
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[546]	2005	Inteligencia Artif.	10	0	0	1328	1523

D.30 Works by Stefan Heinz

Table 53: 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	[236]	2013	CPAIOR 2013	16	9	15	441	763
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[239]	2013	Constraints An Int. J.	36	7	31	1224	1468
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[235]	2012	CPAIOR 2012	17	8	21	440	775
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[237]	2012	Constraints An Int. J.	12	10	9	1225	1471
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[238]	2011	SEA 2011	10	5	12	442	790
BertholdHLS10 BertholdHLS10	T. Berthold, S. Heinz, Marco E. Lübbecke, Rolf H. Möhring, J. Schulz	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling	Yes	[80]	2010	CPAIOR 2010	5	28	10	350	798

D.31 Works by Wim Nuijten

Table 54: 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	[36]	2006	Handbook of Constraint Programming	39	30	25	No	??
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[201]	2005	ICAPS 2005	9	0	0	422	854
BaptistePN01 BaptistePN01	P. Baptiste, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling	No	[39]	2001	Book	null	296	0	No	??
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[175]	2000	AIPS 2000	10	0	0	401	897
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[463]	2000	INFORMS J. Comput.	12	7	14	1304	1545
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[393]	1998	J. Heuristics	16	42	0	1277	1551

D.32 Works by Emmanuel Poder

Table 55: 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. Demasse, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[69]	2011	Ann. Oper. Res.	24	8	8	1176	1480
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[410]	2009	CoRR	12	0	0	1334	1506
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[70]	2008	CPAIOR 2008	15	8	9	345	818
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[411]	2008	ICAPS 2008	8	0	0	535	824
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	Yes	[71]	2007	CPAIOR 2007	15	4	7	346	827
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	[412]	2004	Eur. J. Oper. Res.	16	7	8	1282	1524

D.33 Works by Louis-Martin Rousseau

Table 56: Works from bibtex (Total 6)

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	[115]	2018	CP 2018	17	6	31	370	684

Table 56: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[159]	2016	INFORMS J. Comput.	17	56	28	1200	1442
PesantRR15 PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	Yes	[409]	2015	CPAIOR 2015	16	1	7	534	739
DoulabiRP14 DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[158]	2014	CPAIOR 2014	9	3	10	394	752
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[125]	2011	CPAIOR 2011	6	5	12	375	786
HachemiGR11 HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[221]	2011	Ann. Oper. Res.	16	32	19	1218	1482

D.34 Works by Cyrille Dejemeppe

Table 57: 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	[123]	2020	Journal of Scheduling	19	2	21	1193	1397
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[121]	2016	CP 2016	16	1	12	373	712
Dejemeppe16 Dejemeppe16	C. Dejemeppe	Constraint programming algorithms and models for scheduling applications	Yes	[146]	2016	Catholic University of Louvain, Louvain-la-Neuve, Belgium	274	0	0	2484	??
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[147]	2015	CP 2015	16	5	11	387	729
DejemeppeD14 DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[148]	2014	CPAIOR 2014	9	0	7	388	749

D.35 Works by Yves Deville

Table 58: Works from bibtex (Total 5)

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	[148]	2014	CPAIOR 2014	9	0	7	388	749
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[259]	2014	CP 2014	16	5	7	453	755

Table 58: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[437]	2011	Constraints An Int. J.	23	14	5	1295	1487
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[366]	2009	ICAPS 2009	8	0	0	513	812
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[365]	2007	CPAIOR 2007	14	0	12	512	835

D.36 Works by Mark G. Wallace

Table 59: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[445]	2013	J. Sched.	17	43	23	1298	1470
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[219]	2012	CP 2012	15	5	20	434	774
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[439]	2012	CPAIOR 2012	17	18	21	548	779
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[444]	2011	Constraints An Int. J.	33	57	23	1297	1488
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	[443]	2010	CoRR	37	0	0	1335	1498

D.37 Works by Diarmuid Grimes

Table 60: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	No	[212]	2015	INFORMS J. Comput.	17	12	41	No	1452
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[214]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1215	1461
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[211]	2011	CP 2011	17	5	18	428	789
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[210]	2010	CPAIOR 2010	15	13	20	427	801
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[213]	2009	CP 2009	9	15	12	429	809

D.38 Works by Roger Kameugne

Table 61: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
KameugneFND23	R. Kameugne, Séverine Betmbe Fetgo, T. Noulamo, Clémentin Tayou Djamégni	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	Yes	[273]	2023	CP 2023	17	0	0	461	618
KameugneFGOQ18	R. Kameugne, Séverine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[272]	2018	CPAIOR 2018	17	1	12	460	688
Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[271]	2015	Constraints An Int. J.	2	0	0	1233	1453
KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[275]	2014	Constraints An Int. J.	27	6	10	1234	1462
KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[274]	2011	CP 2011	15	7	9	462	792

D.39 Works by Juan M. Novas

Table 62: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[388]	2019	Comput. Ind. Eng.	13	30	29	1273	1412
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	[387]	2016	Comput. Chem. Eng.	17	18	31	1272	1446
NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[391]	2014	Expert Syst. Appl.	14	35	26	1276	1463
NovasH12	Juan M. Novas, Gabriela P. Henning	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations	Yes	[390]	2012	Comput. Chem. Eng.	17	17	15	1275	1475
NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[389]	2010	Comput. Chem. Eng.	20	48	19	1274	1496

D.40 Works by Marek Vlk

Table 63: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[241]	2023	CoRR	42	0	0	1342	1362

Table 63: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[240]	2022	Comput. Ind. Eng.	16	5	25	1223	1372
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[520]	2021	Comput. Ind. Eng.	14	7	22	1317	1390
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[76]	2018	CPAIOR 2018	10	2	12	348	683
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[48]	2015	ICAART 2015	12	0	0	335	726

D.41 Works by Armin Wolf

Table 64: Works from bibtex (Total 5)

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	[196]	2022	CPAIOR 2022	18	0	24	417	630
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[448]	2010	CP 2010	15	13	14	553	804
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[449]	2005	INAP 2005	15	6	4	554	860
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[533]	2005	INAP 2005	14	6	6	599	862
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[532]	2003	CP 2003	15	11	7	598	882

E Other Works

E.1 Books from bibtex

Table 65: Works from bibtex (Total 2)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BaptistePN01 BaptistePN01	P. Baptiste, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling	No	[39]	2001	Book	null	296	0	No	??
Hooker00 Hooker00	John N. Hooker	Logic Based Methods for Optimization: Combining Optimization and Constraint Satisfaction	No	[248]	2000	Book	null	185	0	No	??

E.2 PhDThesis from bibtex

Table 66: Works from bibtex (Total 14)

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	[25]	2021	Royal Institute of Technology, Stockholm, Sweden	142	0	0	2482	??
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	[202]	2021	IMT Atlantique Bretagne Pays de la Loire, Brest, France	168	0	0	2487	??
Lemos21 Lemos21	Alexandre Duarte de Almeida Lemos	Solving scheduling problems under disruptions	Yes	[315]	2021	UNIVERSIDADE DE LISBOA INSTITUTO SUPERIOR TÉCNICO	188	0	0	2489	??
Lunardi20 Lunardi20	Willian Tessaro Lunardi	A Real-World Flexible Job Shop Scheduling Problem With Sequencing Flexibility: Mathematical Programming, Constraint Programming, and Metaheuristics	Yes	[344]	2020	University of Luxembourg, Luxembourg City, Luxembourg	181	0	0	2491	??
Dejemeppe16 Dejemeppe16	C. Dejemeppe	Constraint programming algorithms and models for scheduling applications	Yes	[146]	2016	Catholic University of Louvain, Louvain-la-Neuve, Belgium	274	0	0	2484	??
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	[151]	2015	École des mines de Nantes, France	113	0	0	2486	??
Siala15a Siala15a	M. Siala	Search, propagation, and learning in sequencing and scheduling problems. (Recherche, propagation et apprentissage dans les problèmes de séquençement et d'ordonnancement)	Yes	[456]	2015	INSA Toulouse, France	199	0	0	2495	??
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	[350]	2011	École des mines de Nantes, France	194	0	0	2492	??
Menana11 Menana11	J. Menana	Automates et programmation par contraintes pour la planification de personnel. (Automata and Constraint Programming for Personnel Scheduling Problems)	Yes	[359]	2011	University of Nantes, France	148	0	0	2494	??
Lombardi10 Lombardi10	M. Lombardi	Hybrid Methods for Resource Allocation and Scheduling Problems in Deterministic and Stochastic Environments	Yes	[330]	2010	University of Bologna, Italy	175	0	0	2490	??
Malik08 Malik08	Abid M. Malik	Constraint Programming Techniques for Optimal Instruction Scheduling	Yes	[352]	2008	University of Waterloo, Ontario, Canada	151	0	0	2493	??
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	[149]	2003	University of Avignon, France	148	0	0	2485	??
Layfield02 Layfield02	Colin J. Layfield	A constraint programming pre-processor for duty scheduling	Yes	[314]	2002	University of Leeds, UK	230	0	0	2488	??

Table 66: Works from bibtex (Total 14)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Beck99 Beck99	J. Christopher Beck	Texture measurements as a basis for heuristic commitment techniques in constraint-directed scheduling	Yes	[51]	1999	University of Toronto, Canada	418	0	0	2483	??

Table 67: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Astrand21 [25]	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	2468	??
Beck99 [51]	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	2481	??
Dejemeppe16 [146]	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	2472	??
Demasse03 [149]	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	2479	??
Derrien15 [151]	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	2473	??
Godet21a [202]	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	2469	??
Layfield02 [314]	230				C	OZ, OPL	Z3,				2480	??

Table 67: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Lemos21 [315]	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, Roadeff, github, real-life, benchmark	time-tabling	2470	??
Lombardi10 [330]	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	2477	??
Lunardi20 [344]	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		2471	??
Malapert11 [350]	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	2475	??
Malik08 [352]	151	order, machine, task, job, completion-time, activity, distributed, precedence, resource, make-span, scheduling		alldifferent, cycle			pipeline		real-life, benchmark	edge-finding	2478	??
Menana11 [359]	148	distributed, resource, machine, task, manpower, activity, precedence, scheduling		alldifferent	Prolog	Choco Solver, Z3, OZ, CHIP, OPL, Claire	nurse		github, benchmark, Roadeff	time-tabling	2476	??
Siala15a [456]	199	setup-time, job-shop, task, activity, precedence, open-shop, earliness, cmax, sequence dependent setup, due-date, lazy clause generation, make-span, order, tardiness, scheduling, machine, job, resource	OSP, single machine, TMS, RCPSp	table constraint, cumulative, circuit, disjunctive, alldifferent, cycle		CHIP, Ilog Solver, Mistral, OPL, Claire	automotive, rectangle-packing		benchmark, github, random instance, Roadeff, real-world, CSPLib	time-tabling, edge-finding	2474	??

E.3 InBook from bibtex

Table 68: Works from bibtex (Total 1)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
SchuttFSW15 SchuttFSW15	S. Andreas, F. Thibaut, Stuckey, Peter J., Wallace, Mark G.	A Satisfiability Solving Approach	No	[446]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	??

E.4 InCollection from bibtex

Table 69: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BlazewiczEP19 BlazewiczEP19 Hooker19 Hooker19	J. Blazewicz, Klaus H. Ecker, E. Pesch, G. Schmidt, M. Sterna, J. Weglarz John N. Hooker	Constraint Programming and Disjunctive Scheduling Logic-Based Benders Decomposition for Large-Scale Optimization	No	[85]	2019	Handbook on Scheduling Large Scale Optimization in Supply Chains and Smart Manufacturing	62 26	38 8	0 0	No No	?? ??
Bartak14 Bartak14	R. Barták	Planning and Scheduling	No	[44]	2014	Computing Handbook, Third Edition: Computer Science and Software Engineering	null	0	0	No	??
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[36]	2006	Handbook of Constraint Programming	39	30	25	No	??
KanetAG04 KanetAG04	John J. Kanet, S. Ahire, Michael F. Gorman	Constraint Programming for Scheduling	No	[276]	2004	Handbook of Scheduling - Algorithms, Models, and Performance Analysis	null	0	0	No	??
BreitingerL95 BreitingerL95	S. Breitinger, Hendrik C. R. Lock	Using Constraint Logic Programming for Industrial Scheduling Problems	No	[106]	1995	Logic Programming: Formal Methods and Practical Applications, Studies in Computer Science and Artificial Intelligence	27	0	0	No	??