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: 579)

1	2	3	4	5	6
AalianPG23 [1]	AbohashimaEG21 [2]	AbreuAPNM21 [144]	AbreuN22 [145]	AbreuNP23 [146]	AbreuPNF23 [3]
AbrilSB05 [4]	Acuna-AgostMFG09 [5]	AdamsBZ88 [6]	AggounB93 [7]	AkkerDH07 [517]	AkramNHRSA23 [9]
AlesioNBG14 [158]	AlfieriGPS23 [11]	AlizdehS20 [12]	AngelsmarkJ00 [13]	AntunesABDEGGOL18 [14]	AntunesABDEGGOL20 [15
AntuoriHHEN20 [16]	AntuoriHHEN21 [17]	ApplegateC91 [18]	ArbaouiY18 [19]	ArmstrongGOS21 [20]	ArmstrongGOS22 [21]
AronssonBK09 [22]	ArtiguesBF04 [23]	ArtiguesHQT21 [24]	ArtiguesR00 [25]	ArtiouchineB05 [26]	Astrand0F21 [28]
Astrand21 [27]	AstrandJZ18 [29]	AstrandJZ20 [30]	BadicaBI20 [31]	BadicaBIL19 [32]	BajestaniB11 [33]
BajestaniB13 [34]	BajestaniB15 [35]	BandaSC11 [148]	Baptiste02 [36]	Baptiste09 [37]	BaptisteB18 [38]
BaptisteLPN06 [39]	BaptisteLV92 [43]	BaptisteP00 [41]	BaptisteP97 [40]	BaptistePN01 [42]	BarlattCG08 [44]
Bartak02 [46]	Bartak02a [45]	Bartak14 [47]	BartakCS10 [48]	BartakS11 [49]	BartakSR10 [50]
BartakV15 [51]	BartoliniBBLM14 [52]	BarzegaranZP20 [53]	Beck06 [55]	Beck07 [56]	Beck99 [54]
BeckDF97 [57]	BeckF00 [60]	BeckF98 [59]	BeckFW11 [58]	BeckPS03 [61]	BeckR03 [62]
BeckW04 [63]	BeckW05 [64]	BeckW07 [65]	Bedhief21 [66]	BegB13 [67]	BehrensLM19 [68]
BeldiceanuC02 [71]	BeldiceanuC94 [70]	BeldiceanuCDP11 [72]	BeldiceanuCP08 [73]	BeldiceanuP07 [74]	BelhadjiI98 [75]
BenderWS21 [76]	Benders62 [77]	BenediktMH20 [78]	BenediktSMVH18 [79]	BeniniBGM06 [80]	BeniniLMR11 [81]
BensanaLV99 [82]	BertholdHLMS10 [83]	BessiereHMQW14 [84]	BidotVLB09 [85]	BillautHL12 [86]	Bit-Monnot23 [87]
BlazewiczEP19 [88]	BlazewiczLK83 [89]	BlomBPS14 [90]	BlomPS16 [91]	BocewiczBB09 [92]	BofillCSV17 [93]
BofillEGPSV14 [94]	BofillGSV15 [95]	BogaerdtW19 [518]	Bonfietti16 [96]	BonfiettiLBM11 [97]	BonfiettiLBM12 [98]
BonfiettiLBM14 [99]	BonfiettiLM13 [100]	BonfiettiLM14 [101]	BonfiettiM12 [102]	BonfiettiZLM16 [103]	BoothNB16 [104]
BorghesiBLMB18 [105]	BoucherBVBL97 [106]	BoudreaultSLQ22 [107]	BourreauGGLT22 [108]	BreitingerL95 [109]	BridiBLMB16 [110]
BridiLBBM16 [111]	BruckerDMNP99 [112]	BrusoniCLMMT96 [113]	BurtLPS15 [114]	Caballero19 [**?**]	Caballero23 [115]
CampeauG22 [116]	CappartS17 [117]	CappartTSR18 [118]	CarchraeBF05 [119]	CarlierP89 [120]	CarlierP90 [121]
CarlierP94 [122]	Caseau97 [123]	CauwelaertDMS16 [124]	CauwelaertDS20 [126]	CauwelaertLS18 [125]	CestaOS98 [127]
ChapadosJR11 [128]	ChuGNSW13 [129]	ChuX05 [130]	CireCH13 [131]	Clercq12 [147]	ClercqPBJ11 [132]
CobanH10 [133]	CohenHB17 [134]	ColT19 [136]	ColT22 [137]	Colombani96 [138]	CzerniachowskaWZ23 [139]
DannaP03 [140]	Darby-DowmanLMZ97 [141]	Davenport10 [142]	DavenportKRSH07 [143]	DechterMP91 [149]	Dejemeppe16 [150]
DejemeppeCS15 [151]	DejemeppeD14 [152]	Demassey03 [153]	DemirovicS18 [154]	Derrien15 [155]	DerrienP14 [156]
DerrienPZ14 [157]	DilkinaDH05 [159]	DincbasSH90 [160]	DoomsH08 [161]	DoulabiRP14 [162]	DoulabiRP16 [163]
EdisO11 [164]	EfthymiouY23 [165]	Elkhyari03 [166]	ElkhyariGJ02 [167]	ElkhyariGJ02a [168]	ErtlK91 [169]
EscobetPQPRA19 [170]	EvenSH15 [171]	EvenSH15a [172]	Fahimi16 [**?**]	FahimiOQ18 [173]	FalaschiGMP97 [174]
FallahiAC20 [175]	FanXG21 [176]	FarsiTM22 [177]	Fatemi-AnarakiMFN22 [178]	FetgoD22 [179]	FocacciLN00 [180]
FontaineMH16 [181]	FortinZDF05 [182]	FrankK05 [183]	FriedrichFMRSST14 [184]	FrimodigS19 [185]	Froger16 [186]
FrohnerTR19 [187]	FrostD98 [188]	GalleguillosKSB19 [189]	GarganiR07 [190]	GarridoAO09 [191]	GarridoOS08 [192]
GayHLS15 [193]	GayHS15 [194]	GayHS15a [195]	GaySS14 [196]	GedikKEK18 [197]	GeibingerKKMMW21 [198]
GeibingerMM19 [200]	GeibingerMM21 [201]	GeitzGSSW22 [202]	GelainPRVW17 [203]	German18 [204]	Geske05 [205]
GilesH16 [206]	GingrasQ16 [207]	GodardLN05 [208]	Godet21a [209]	GodetLHS20 [210]	GoelSHFS15 [211]
GokgurHO18 [212]	GoldwaserS17 [213]	GoldwaserS18 [214]	Goltz95 [215]	GomesHS06 [216]	GrimesH10 [217]

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1	2	3	4	5	6
GrimesH11 [218]	GrimesH15 [219]	GrimesHM09 [220]	GrimesIOS14 [221]	Groleaz21 [222]	GroleazNS20 [224]
GroleazNS20a [223]	GruianK98 [225]	GuSS13 [226]	GuSW12 [227]	GurEA19 [575]	GurPAE23 [228]
HachemiGR11 [229]	Ham18 [230]	HamC16 [232]	HamPK21 [231]	HanenKP21 [233]	HarjunkoskiG02 [234]
HartmannB10 [235]	He0GLW18 [237]	HebrardALLCMR22 [238]	HebrardHJMPV16 [239]	HebrardTW05 [240]	HechingH16 [241]
HeckmanB11 [242]	HeinzB12 [243]	HeinzKB13 [244]	HeinzNVH22 [248]	HeinzS11 [246]	HeinzSB13 [247]
HeinzSSW12 [245]	HeipckeCCS00 [250]	HentenryckM04 [251]	HentenryckM08 [252]	HermenierDL11 [253]	HillTV21 [254]
HoYCLLCLC18 [255]	HoeveGSL07 [520]	Hooker00 [256]	Hooker04 [257]	Hooker05 [258]	Hooker05a [259]
Hooker06 [260]	Hooker07 [261]	Hooker17 [262]	Hooker19 [263]	HookerH18 [265]	HookerO03 [264]
HookerY02 [266]	HoundjiSWD14 [267]	HubnerGSV21 [268]	HurleyOS16 [269]	IfrimOS12 [270]	IsikYA23 [271]
JainG01 [272]	Jans09 [273]	JelinekB16 [274]	JourdanFRD94 [275]	JungblutK22 [276]	JuvinHHL23 [277]
JuvinHL23 [278]	KamarainenS02 [279]	Kameugne14 [**?**]	Kameugne15 [280]	KameugneFGOQ18 [281]	KameugneFND23 [282]
KameugneFSN11 [283]	KameugneFSN14 [284]	KanetAG04 [285]	KelarevaTK13 [286]	KelbelH11 [287]	KeriK07 [288]
KhayatLR06 [289]	KhemmoudjPB06 [290]	KimCMLLP23 [291]	KlankeBYE21 [292]	KletzanderM17 [293]	KoehlerBFFHPSSS21 [294]
KolischS97 [295]	KorbaaYG00 [297]	KorbaaYG99 [296]	KoschB14 [298]	KovacsB07 [299]	KovacsB08 [300]
KovacsB11 [301]	KovacsEKV05 [302]	KovacsK11 [303]	KovacsTKSG21 [306]	KovacsV04 [304]	KovacsV06 [305]
KreterSS15 [307]	KreterSS17 [308]	KreterSSZ18 [309]	KrogtLPHJ07 [519]	KuB16 [310]	KuchcinskiW03 [311]
KucukY19 [313]	Kumar03 [312]	Laborie03 [314]	Laborie09 [315]	Laborie18a [316]	LaborieRSV18 [317]
LacknerMMWW21 [318]	LacknerMMWW23 [319]	LahimerLH11 [320]	LammaMM97 [321]	LauLN08 [322]	Layfield02 [323]
Lemos21 [324]	Letort13 [325]	LetortBC12 [326]	LetortCB13 [327]	LetortCB15 [328]	LiFJZLL22 [329]
LiessM08 [330]	LimBTBB15 [333]	LimHTB16 [332]	LimRX04 [331]	Limtanyakul07 [334]	LimtanyakulS12 [335]
LipovetzkyBPS14 [336]	LiuCGM17 [338]	LiuJ06 [339]	LiuLH19 [337]	Lombardi10 [340]	LombardiBM15 [341]
LombardiBMB11 [342]	LombardiM09 [343]	LombardiM10 [345]	LombardiM10a [344]	LombardiM12 [347]	LombardiM12a [346]
LombardiM13 [348]	LopesCSM10 [349]	LopezAKYG00 [350]	LorigeonBB02 [351]	LouieVNB14 [352]	Lunardi20 [354]
LunardiBLRV20 [353]	LuoB22 [356]	LuoVLBM16 [355]	Madi-WambaB16 [357]	Madi-WambaLOBM17 [358]	MakMS10 [359]
Malapert11 [360]	MalapertN19 [361]	Malik08 [362]	MalikMB08 [363]	MaraveliasG04 [364]	MartinPY01 [365]
Mason01 [366]	Mehdizadeh-Somarin23 [367]	MejiaY20 [368]	MelgarejoLS15 [8]	Menana11 [369]	MengZRZL20 [370]
Mercier-AubinGQ20 [372]	MercierH08 [371]	MoffittPP05 [373]	MokhtarzadehTNF20 [374]	MonetteDD07 [375]	MonetteDH09 [376]
MontemanniD23 [378]	MontemanniD23a [377]	MossigeGSMC17 [379]	MouraSCL08 [381]	MouraSCL08a [380]	MullerMKP22 [382]
MurinR19 [383]	MurphyMB15 [384]	Muscettola02 [385]	MusliuSS18 [386]	NaderiBZ22 [387]	NaderiRR23 [388]
Nattaf16 [389]	NattafAL15 [390]	NattafAL17 [391]	NattafM20 [392]	NethercoteSBBDT07 [393]	NishikawaSTT18 [395]
NishikawaSTT18a [396]	NishikawaSTT19 [397]	NovaraNH16 [398]	Novas19 [399]	NovasH10 [400]	NovasH12 [401]
NovasH14 [402]	NuijtenA94 [403]	NuijtenP98 [404]	OddiPCC03 [405]	OhrimenkoSC09 [406]	OuelletQ13 [407]
OuelletQ18 [408]	OuelletQ22 [409]	OujanaAYB22 [410]	OzturkTHO13 [411]	PandeyS21a [412]	PapaB98 [415]
Pape94 [413]	PapeB97 [414]	ParkUJR19 [416]	PembertonG98 [417]	PerezGSL23 [418]	PesantRR15 [420]
PoderB08 [422]	PoderBS04 [423]	PohlAK22 [424]	Polo-MejiaALB20 [425]	PopovicCGNC22 [426]	PourDERB18 [427]
PovedaAA23 [428]	Pralet17 [429]	PraletLJ15 [430]	PrataAN23 [431]	Puget95 [432]	QinDCS20 [434]

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1	2	3	4	5	6
QinWSLS21 [433]	QuSN06 [435]	QuirogaZH05 [436]	RendlPHPR12 [437]	RiahiNS018 [438]	RodosekW98 [439]
Rodriguez07 [441]	RodriguezDG02 [440]	RossiTHP07 [442]	RuggieroBBMA09 [443]	SacramentoSP20 [444]	Sadykov04 [445]
SadykovW06 [446]	SakkoutW00 [447]	SchausHMCMD11 [448]	SchildW00 [449]	Schutt11 [?]	SchuttCSW12 [450]
SchuttFS13 [452]	SchuttFS13a [451]	SchuttFSW09 [453]	SchuttFSW11 [455]	SchuttFSW13 [456]	SchuttFSW15 [457]
SchuttS16 [458]	SchuttW10 [459]	SchuttWS05 [460]	SerraNM12 [461]	ShaikhK23 [462]	Shaw98 [463]
ShiYXQ22 [464]	ShinBBHO18 [465]	Siala15 [466]	Siala15a [467]	SialaAH15 [468]	SimoninAHL12 [469]
SimoninAHL15 [470]	Simonis07 [474]	Simonis95 [472]	Simonis95a [471]	Simonis99 [473]	SimonisC95 [476]
SimonisCK00 [475]	SourdN00 [477]	SquillaciPR23 [478]	SubulanC22 [479]	SunLYL10 [481]	SureshMOK06 [482]
SvancaraB22 [483]	SzerediS16 [484]	Taillard93 [485]	TangB20 [486]	TangLWSK18 [487]	TardivoDFMP23 [488]
TasselGS23 [489]	Tay92 [491]	Teppan22 [492]	TerekhovDOB12 [493]	TerekhovTDB14 [494]	Tesch16 [495]
Tesch18 [496]	ThiruvadyBME09 [497]	ThiruvadyWGS14 [498]	Thorsteinsson01 [499]	Timpe02 [500]	Tom19 [501]
TopalogluO11 [502]	TorresL00 [503]	TouatBT22 [504]	Touraivane95 [505]	TranAB16 [506]	TranB12 [507]
TranDRFWOVB16 [508]	TranPZLDB18 [509]	TranTDB13 [510]	TranVNB17 [511]	TranVNB17a [512]	TranWDRFOVB16 [513]
TrojetHL11 [514]	Tsang03 [515]	ValleMGT03 [516]	VanczaM01 [521]	VerfaillieL01 [522]	Vilim02 [523]
Vilim03 [524]	Vilim04 [525]	Vilim05 [526]	Vilim09 [527]	Vilim09a [528]	Vilim11 [529]
VilimBC04 [530]	VilimBC05 [531]	VilimLS15 [532]	VillaverdeP04 [533]	VlkHT21 [534]	Wallace94 [535]
Wallace96 [536]	WallaceY20 [537]	WangB20 [538]	WangB23 [539]	WangMD15 [540]	WariZ19 [541]
WatsonB08 [542]	WessenCS20 [543]	WikarekS19 [544]	WinterMMW22 [545]	Wolf03 [546]	WolfS05 [547]
WolinskiKG04 [548]	WuBB05 [549]	WuBB09 [550]	YangSS19 [551]	YounespourAKE19 [552]	YoungFS17 [553]
YunusogluY22 [554]	YuraszeckMC23 [555]	YuraszeckMCCR23 [557]	YuraszeckMPV22 [556]	Zahout21 [558]	ZarandiASC20 [560]
ZarandiKS16 [559]	ZeballosH05 [561]	ZeballosQH10 [562]	ZhangBB22 [564]	ZhangJZL22 [563]	ZhangLS12 [567]
ZhangW18 [566]	ZhangYW21 [565]	Zhou96 [568]	Zhou97 [569]	ZhouGL15 [570]	ZhuS02 [571]
ZibranR11 [572]	ZibranR11a [573]	ZouZ20 [574]	abs-0907-0939 [421]	abs-1009-0347 [454]	abs-1901-07914 [69]
abs-1902-01193 [10]	abs-1902-09244 [236]	abs-1911-04766 [199]	abs-2102-08778 [135]	abs-2211-14492 [480]	abs-2305-19888 [249]
abs-2306-05747 [490]	abs-2312-13682 [419]	abs-2402-00459 [394]			

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 313)

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	314	620
Bit-Monnot23 Bit-Monnot23	A. Bit-Monnot	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	Yes	[87]	2023	ECAI 2023	8	0	0	357	621
EfthymiouY23 EfthymiouY23	N. Efthymiou, N. Yorke-Smith	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	Yes	[165]	2023	CPAIOR 2023	16	0	23	400	622
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[277]	2023	CP 2023	16	0	0	461	623
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[278]	2023	CPAIOR 2023	16	0	11	462	624
KameugneFND23 KameugneFND23	R. Kameugne, Sévérine Betmbe Fetgo, T. Noulamo, Clémentin Tayou Djamégni	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	Yes	[282]	2023	CP 2023	17	0	0	465	625
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	[291]	2023	CPAIOR 2023	16	0	13	470	626
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	[367]	2023	APMS 2023	14	0	0	513	627
PerezGSL23 PerezGSL23	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	Yes	[418]	2023	ICTAI 2023	7	0	0	538	628
PovedaAA23 PovedaAA23	G. Povéda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	Yes	[428]	2023	CP 2023	21	0	0	542	629
SquillaciPR23 SquillaciPR23	S. Squillaci, C. Pralet, S. Roussel	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Yes	[478]	2023	CPAIOR 2023	17	0	19	568	630
TardivoDFMP23 TardivoDFMP23	F. Tardivo, A. Dovier, A. Formisano, L. Michel, E. Pontelli	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	Yes	[488]	2023	CPAIOR 2023	18	0	30	573	631
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	[489]	2023	ICAPS 2023	9	0	0	574	632
WangB23 WangB23	R. Wang, N. Barnier	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	Yes	[539]	2023	ICTAI 2023	8	0	0	601	633
YuraszeckMC23 YuraszeckMC23	F. Yuraszeck, G. Mejía, D. Canut-de-Bon	A competitive constraint programming approach for the group shop scheduling problem	Yes	[555]	2023	ANT 2023	6	1	15	611	634
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	[21]	2022	CPAIOR 2022	13	0	14	325	635
BoudreaultSLQ22 BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling	Yes	[107]	2022	CP 2022	16	0	0	369	636
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	[202]	2022	CPAIOR 2022	18	0	24	421	637
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	[238]	2022	IJCAI 2022	7	0	0	441	638
JungblutK22 JungblutK22	P. Jungblut, D. Kranzlmüller	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	Yes	[276]	2022	IPDPS 2022	4	0	0	460	639
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	[329]	2022	ICNSC 2022	6	0	31	491	640

Table 2: Works from bibtex (Total 313)

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	[356]	2022	CPAIOR 2022	17	0	28	506	641
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[409]	2022	CPAIOR 2022	17	1	22	534	642
OujanaAYB22 OujanaAYB22	S. Oujana, L. Amodeo, F. Yalaoui, D. Brodart	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	Yes	[410]	2022	CoDIT 2022	6	1	21	535	643
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	[426]	2022	CP 2022	15	0	0	541	644
SvancaraB22 SvancaraB22	J. Svancara, R. Barták	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling	Yes	[483]	2022	ICAART 2022	8	0	0	570	645
Teppan22 Teppan22	Erich Christian Teppan	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	Yes	[492]	2022	ICAART 2022	8	0	0	575	646
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	[504]	2022	ICAART 2022	8	0	0	581	647
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[545]	2022	CP 2022	18	0	0	604	648
ZhangBB22 ZhangBB22	J. Zhang, Giovanni Lo Bianco, J. Christopher Beck	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware	Yes	[564]	2022	ICAPS 2022	9	0	0	612	649
ZhangJZL22 ZhangJZL22	H. Zhang, Y. Ji, Z. Zhao, S. Liu	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	Yes	[563]	2022	ICNSC 2022	6	0	21	613	650
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	[17]	2021	CP 2021	16	0	0	322	651
ArmstrongGOS21 ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[20]	2021	CP 2021	18	1	0	324	652
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	No	[24]	2021	ICORES 2021	8	0	0	No	653
Astrand0F21 Astrand0F21	M. Åstrand, M. Johansson, Hamid Reza Feyzmahdavian	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	Yes	[28]	2021	CPAIOR 2021	18	2	25	329	654
BenderWS21 BenderWS21	T. Bender, D. Wittwer, T. Schmidt	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	Yes	[76]	2021	ICCL 2021	16	1	16	351	655
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[198]	2021	CPAIOR 2021	10	0	6	418	656
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[201]	2021	AAAI 2021	9	0	0	420	657
HanenKP21 HanenKP21	C. Hanen, Alix Munier Kordon, T. Pedersen	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Yes	[233]	2021	CPAIOR 2021	17	1	24	439	658
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	[254]	2021	CPAIOR 2021	19	0	38	450	659
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	[292]	2021	CPAIOR 2021	16	3	13	471	660
KovacsTKSG21 KovacsTKSG21	B. Kovács, P. Tassel, W. Kohlenbrein, P. Schrott-Kostwein, M. Gebser	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Yes	[306]	2021	CP 2021	17	0	0	477	661
LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[318]	2021	CP 2021	18	0	0	486	662
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	[16]	2020	CP 2020	16	3	8	321	663

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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	[53]	2020	Fog-IoT 2020	9	0	0	341	664
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	[210]	2020	AAAI 2020	8	1	0	427	665
GroleazNS20 GroleazNS20	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	Solving the Group Cumulative Scheduling Problem with CPO and ACO	Yes	[224]	2020	CP 2020	17	1	25	434	666
GroleazNS20a GroleazNS20a	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	Yes	[223]	2020	GECCO 2020	9	3	28	435	667
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[372]	2020	CPAIOR 2020	13	2	13	515	668
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[392]	2020	CP 2020	16	0	6	526	669
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[486]	2020	CPAIOR 2020	16	6	12	572	670
WangB20 WangB20	R. Wang, N. Barnier	Global Propagation of Transition Cost for Fixed Job Scheduling	Yes	[538]	2020	ECAI 2020	8	0	0	600	671
WessenCS20 WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Yes	[543]	2020	CPAIOR 2020	10	2	11	603	672
BadicaBIL19 BadicaBIL19	A. Badica, C. Badica, M. Ivanovic, D. Logofatu	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	Yes	[32]	2019	IDC 2019	11	2	6	331	673
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	[68]	2019	ICRA 2019	7	12	18	347	674
BogaerdtW19 BogaerdtW19	Pim van den Bogaerdt, Mathijs de Weerdt	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	Yes	[518]	2019	CPAIOR 2019	16	1	16	361	675
ColT19 ColT19	Giacomo Da Col, Erich Christian Teppan	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	Yes	[136]	2019	CP 2019	17	11	12	386	676
FrimodigS19 FrimodigS19	S. Frimodig, C. Schulte	Models for Radiation Therapy Patient Scheduling	Yes	[185]	2019	CP 2019	17	3	26	409	677
FrohnerTR19 FrohnerTR19	N. Frohner, S. Teuschl, Günther R. Raidl	Casual Employee Scheduling with Constraint Programming and Metaheuristics	Yes	[187]	2019	EUROCAST 2019	9	0	6	410	678
GalleguillosKSB19 GalleguillosKSB19	C. Galleguillos, Z. Kiziltan, A. Sîrbu, Özalp Babaoglu	Constraint Programming-Based Job Dispatching for Modern HPC Applications	Yes	[189]	2019	CP 2019	18	1	27	412	679
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[200]	2019	CPAIOR 2019	16	6	15	419	680
KucukY19 KucukY19	M. Küçük, Seyda Topaloglu Yildiz	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem	Yes	[313]	2019	RAST 2019	5	0	0	482	681
LiuLH19 LiuLH19	K. Liu, S. Löffler, P. Hofstedt	Solving the Talent Scheduling Problem by Parallel Constraint Programming	Yes	[337]	2019	AIAI 2019	9	1	5	499	682
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[361]	2019	CPAIOR 2019	17	1	7	511	683
MurinR19 MurinR19	S. Murín, H. Rudová	Scheduling of Mobile Robots Using Constraint Programming	Yes	[383]	2019	CP 2019	16	2	22	522	684
ParkUJR19 ParkUJR19	H. Park, J. Um, J. Jung, M. Ruskowski	Developing a Production Scheduling System for Modular Factory Using Constraint Programming	Yes	[416]	2019	RAAD 2019	8	1	3	536	685
Tom19 Tom19	M. Tom	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling	Yes	[501]	2019	FUZZ-IEEE 2019	6	0	21	580	686
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[551]	2019	CPAIOR 2019	10	1	14	609	687

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AntunesABDEGGOL18 AntunesABDEGGOL18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[14]	2018	ICTAI 2018	8	1	24	320	688
ArbaouiY18 ArbaouiY18	T. Arbaoui, F. Yalaoui	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming	Yes	[19]	2018	ACIIDS 2018	10	2	14	323	689
AstrandJZ18 AstrandJZ18	M. Åstrand, M. Johansson, A. Zanarini	Fleet Scheduling in Underground Mines Using Constraint Programming	Yes	[29]	2018	CPAIOR 2018	9	9	10	330	690
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[79]	2018	CPAIOR 2018	10	2	12	352	691
CappartTSR18 CappartTSR18	Q. Cappart, C. Thomas, P. Schaus, L. Rousseau	A Constraint Programming Approach for Solving Patient Transportation Problems	Yes	[118]	2018	CP 2018	17	6	31	374	692
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[154]	2018	CPAIOR 2018	18	4	16	393	693
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	[237]	2018	CP 2018	18	6	26	440	694
HoYCLLCLC18 HoYCLLCLC18	T. Ho, J. Yao, Y. Chang, F. Lai, J. Lai, S. Chu, W. Liao, H. Chiu	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints	Yes	[255]	2018	AICCC 2018	6	2	14	451	695
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Sévérine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[281]	2018	CPAIOR 2018	17	1	12	464	696
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[316]	2018	CPAIOR 2018	9	18	10	485	697
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[386]	2018	CPAIOR 2018	17	7	23	525	698
NishikawaSTT18 NishikawaSTT18	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Fork-Join Tasks with Constraint Programming	Yes	[395]	2018	CANDAR 2018	6	2	14	528	699
NishikawaSTT18a NishikawaSTT18a	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Tasks Based on Constraint Programming	Yes	[396]	2018	TENCON 2018	6	1	9	529	700
OuelletQ18 OuelletQ18	Y. Ouellet, C. Quimper	A O(n \log ˆ2 n) Checker and O(nˆ2 \log n) Filtering Algorithm for the Energetic Reasoning	Yes	[408]	2018	CPAIOR 2018	18	6	16	533	701
RiahiNS018 RiahiNS018	V. Riahi, M. A. Hakim Newton, K. Su, A. Sattar	Local Search for Flowshops with Setup Times and Blocking Constraints	Yes	[438]	2018	ICAPS 2018	9	0	0	549	702
Tesch18 Tesch18	A. Tesch	Improving Energetic Propagations for Cumulative Scheduling	Yes	[496]	2018	CP 2018	17	5	21	577	703
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	[93]	2017	CP 2017	9	1	12	358	704
CappartS17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[117]	2017	CPAIOR 2017	16	2	28	373	705
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	[134]	2017	SAT 2017	17	1	12	385	706
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	[203]	2017	CPAIOR 2017	16	1	5	422	707
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[213]	2017	CP 2017	16	0	10	428	708
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[262]	2017	CP 2017	14	6	24	455	709
KletzanderM17 KletzanderM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[293]	2017	CPAIOR 2017	15	1	9	472	710
LiuCGM17 LiuCGM17	T. Liu, Roberto Di Cosmo, M. Gabbrielli, J. Mauro	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Yes	[338]	2017	CP 2017	17	0	15	497	711

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Madi-WambaLOBM17 Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Green Energy Aware Scheduling Problem in Virtualized Datacenters	Yes	[358]	2017	ICPADS 2017	8	1	8	509	712
MossigeGSMC17 MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[379]	2017	CP 2017	18	6	33	519	713
Pralet17 Pralet17	C. Pralet	An Incomplete Constraint-Based System for Scheduling with Renewable Resources	Yes	[429]	2017	CP 2017	19	1	30	543	714
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	[512]	2017	IJCAI 2017	5	1	0	586	715
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[553]	2017	CP 2017	10	6	21	610	716
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[103]	2016	CP 2016	17	0	11	367	717
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	[104]	2016	CP 2016	17	21	24	368	718
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[111]	2016	ECAI 2016	2	0	0	370	719
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[124]	2016	CP 2016	16	1	12	377	720
FontaineMH16 FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[181]	2016	CPAIOR 2016	11	3	0	406	721
GilesH16 GilesH16	K. Giles, Willem-Jan van Hoeve	Solving a Supply-Delivery Scheduling Problem with Constraint Programming	Yes	[206]	2016	CP 2016	16	2	6	424	722
GingrasQ16 GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[207]	2016	IJCAI 2016	7	0	0	425	723
HechingH16 HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[241]	2016	CPAIOR 2016	11	10	0	443	724
JelinekB16 JelinekB16	J. Jelínek, R. Barták	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station	Yes	[274]	2016	PADL 2016	10	0	5	459	725
LimHTB16 LimHTB16	B. Lim, Hassan L. Hijazi, S. Thiébaux, Menkes van den Briel	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control	Yes	[332]	2016	CP 2016	18	2	23	493	726
LuoVLBM16 LuoVLBM16	R. Luo, Richard Anthony Valenzano, Y. Li, J. Christopher Beck, Sheila A. McIlraith	Using Metric Temporal Logic to Specify Scheduling Problems	Yes	[355]	2016	KR 2016	4	0	0	507	727
Madi-WambaB16 Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[357]	2016	CPAIOR 2016	16	0	0	508	728
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[458]	2016	CP 2016	17	3	23	557	729
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[484]	2016	CP 2016	10	9	14	571	730
Tesch16 Tesch16	A. Tesch	A Nearly Exact Propagation Algorithm for Energetic Reasoning in \mathcal O(n^2 \log n)	Yes	[495]	2016	CP 2016	27	4	14	576	731
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	[508]	2016	SOCS 2016	9	3	0	584	732
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	[513]	2016	AAAI 2016	9	0	0	587	733
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[51]	2015	ICAART 2015	12	0	0	339	734
BofillGSV15 BofillGSV15	M. Bofill, M. Garcia, J. Suy, M. Villaret	MaxSAT-Based Scheduling of B2B Meetings	Yes	[95]	2015	CPAIOR 2015	9	7	8	360	735

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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	[114]	2015	CPAIOR 2015	17	0	8	372	736
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[151]	2015	CP 2015	16	5	11	391	737
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[171]	2015	CP 2015	18	3	12	404	738
GayHLS15 GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	Yes	[193]	2015	CP 2015	9	20	15	414	739
GayHS15 GayHS15	S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint	Yes	[194]	2015	CP 2015	9	10	9	415	740
GayHS15a GayHS15a	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[195]	2015	CPAIOR 2015	16	5	12	416	741
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[307]	2015	CP 2015	17	7	16	480	742
LimBTBB15 LimBTBB15	B. Lim, Menkes van den Briel, S. Thiébaux, R. Bent, S. Backhaus	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings	Yes	[333]	2015	CPAIOR 2015	15	4	18	492	743
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[341]	2015	CP 2015	16	0	8	500	744
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	514	745
MurphyMB15 MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System	Yes	[384]	2015	CP 2015	17	1	20	523	746
PesantRR15 PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	Yes	[420]	2015	CPAIOR 2015	16	1	7	539	747
PraletLJ15 PraletLJ15	C. Pralet, S. Lemai-Chenevier, J. Jaubert	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search	Yes	[430]	2015	CP 2015	16	0	8	544	748
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[468]	2015	CP 2015	10	4	17	562	749
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[532]	2015	CPAIOR 2015	17	31	19	599	750
ZhouGL15 ZhouGL15	J. Zhou, Y. Guo, G. Li	On complex hybrid flexible flowshop scheduling problems based on constraint programming	Yes	[570]	2015	FSKD 2015	5	0	16	616	751
AlesioNBG14 AlesioNBG14	Stefano Di Alesio, S. Nejati, Lionel C. Briand, A. Gotlieb	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing	Yes	[158]	2014	CP 2014	18	3	19	318	752
BartoliniBBLM14 BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[52]	2014	CP 2014	16	12	3	340	753
BessiereHMQW14 BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[84]	2014	CPAIOR 2014	16	1	3	355	754
BofillEGPSV14 BofillEGPSV14	M. Bofill, J. Espasa, M. Garcia, M. Palahí, J. Suy, M. Villaret	Scheduling B2B Meetings	Yes	[94]	2014	CP 2014	16	3	10	359	755
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[101]	2014	CPAIOR 2014	16	3	12	365	756
DejemeppeD14 DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[152]	2014	CPAIOR 2014	9	0	7	392	757
DerrienP14 DerrienP14	A. Derrien, T. Petit	A New Characterization of Relevant Intervals for Energetic Reasoning	Yes	[156]	2014	CP 2014	9	14	0	394	758
DerrienPZ14 DerrienPZ14	A. Derrien, T. Petit, S. Zampelli	A Declarative Paradigm for Robust Cumulative Scheduling	Yes	[157]	2014	CP 2014	9	3	10	395	759
DoulabiRP14 DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[162]	2014	CPAIOR 2014	9	3	10	398	760
FriedrichFMRSST14 FriedrichFMRSST14	G. Friedrich, M. Frühstück, V. Mersheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	No	[184]	2014	GOR 2014	7	3	2	No	761

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GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[196]	2014	CP 2014	15	7	11	417	762
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[267]	2014	CP 2014	16	5	7	457	763
KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[298]	2014	CPAIOR 2014	16	4	18	474	764
LipovetzkyBPS14 LipovetzkyBPS14	N. Lipovetzky, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	Planning for Mining Operations with Time and Resource Constraints	Yes	[336]	2014	ICAPS 2014	9	0	0	496	765
LouieVNB14 LouieVNB14	Wing-Yue Geoffrey Louie, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities	Yes	[352]	2014	ICRA 2014	7	16	9	505	766
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[100]	2013	ICAPS 2013	5	0	0	364	767
ChuGNSW13 ChuGNSW13	G. Chu, S. Gaspers, N. Narodytska, A. Schutt, T. Walsh	On the Complexity of Global Scheduling Constraints under Structural Restrictions	Yes	[129]	2013	IJCAI 2013	7	0	0	380	768
CireCH13 CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[131]	2013	CPAIOR 2013	7	3	23	382	769
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	[226]	2013	CPAIOR 2013	7	10	24	437	770
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[244]	2013	CPAIOR 2013	16	9	15	445	771
KelarevaTK13 KelarevaTK13	E. Kelareva, K. Tierney, P. Kilby	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	Yes	[286]	2013	CPAIOR 2013	17	16	28	467	772
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the *k-dimensional cumulative* Constraint	Yes	[327]	2013	CPAIOR 2013	16	3	10	490	773
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[348]	2013	ICAPS 2013	2	0	0	504	774
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[407]	2013	CP 2013	16	12	14	532	775
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[452]	2013	CP 2013	17	10	20	554	776
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[451]	2013	CPAIOR 2013	17	20	27	555	777
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	[510]	2013	ICAPS 2013	9	0	0	585	778
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[86]	2012	CPAIOR 2012	15	1	19	356	779
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[98]	2012	CPAIOR 2012	16	2	11	363	780
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[102]	2012	DC SIAAI 2012	3	0	0	366	781
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[227]	2012	CP 2012	15	5	20	438	782
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[243]	2012	CPAIOR 2012	17	8	21	444	783
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[270]	2012	CP 2012	16	6	20	458	784
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[326]	2012	CP 2012	16	18	12	489	785
RendlPHPR12 RendlPHPR12	A. Rendl, M. Prandtstetter, G. Hiermann, J. Puchinger, Günther R. Raidl	Hybrid Heuristics for Multimodal Homecare Scheduling	Yes	[437]	2012	CPAIOR 2012	17	14	14	548	786
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[450]	2012	CPAIOR 2012	17	18	21	553	787

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SerraNM12 SerraNM12	T. Serra, G. Nishioka, Fernando J. M. Marcellino	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach	Yes	[461]	2012	CP 2012	17	0	8	560	788
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[469]	2012	CP 2012	15	3	8	563	789
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[507]	2012	ECAI 2012	6	0	0	583	790
ZhangLS12 ZhangLS12	X. Zhang, Z. Lv, X. Song	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method	Yes	[567]	2012	CIT 2012	4	1	3	614	791
BajestaniB11 BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[33]	2011	ICAPS 2011	8	0	0	332	792
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[97]	2011	CP 2011	15	3	14	362	793
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[128]	2011	CPAIOR 2011	6	5	12	379	794
ClercqPBJ11 ClercqPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[132]	2011	CP 2011	16	3	11	383	795
EdisO11 EdisO11	Emrah B. Edis, C. Oguz	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach	Yes	[164]	2011	CPAIOR 2011	7	5	16	399	796
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[218]	2011	CP 2011	17	5	18	432	797
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[246]	2011	SEA 2011	10	5	12	446	798
HermenierDL11 HermenierDL11	F. Hermenier, S. Demassey, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[253]	2011	CP 2011	15	28	5	449	799
KameugneFSN11 KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[283]	2011	CP 2011	15	7	9	466	800
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	[320]	2011	CPAIOR 2011	14	3	15	487	801
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[342]	2011	CPAIOR 2011	17	1	13	501	802
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[529]	2011	CPAIOR 2011	16	28	6	597	803
ZibranR11 ZibranR11	Minhaz F. Zibran, Chanchal K. Roy	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach	Yes	[572]	2011	ICPC 2011	4	17	18	618	804
ZibranR11a ZibranR11a	Minhaz F. Zibran, Chanchal K. Roy	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring	Yes	[573]	2011	SCAM 2011	10	26	27	619	805
BertholdHLMS10 BertholdHLMS10	T. Berthold, S. Heinz, Marco E. Lübbecke, Rolf H. Möhring, J. Schulz	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling	Yes	[83]	2010	CPAIOR 2010	5	28	10	354	806
CobanH10 CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes	[133]	2010	CPAIOR 2010	5	9	9	384	807
Davenport10 Davenport10	Andrew J. Davenport	Integrated Maintenance Scheduling for Semiconductor Manufacturing	Yes	[142]	2010	CPAIOR 2010	5	9	2	389	808
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[217]	2010	CPAIOR 2010	15	13	20	431	809
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[345]	2010	CP 2010	15	1	11	503	810
MakMS10 MakMS10	K. Mak, J. Ma, W. Su	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems	Yes	[359]	2010	ICNC 2010	5	1	3	510	811

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SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[459]	2010	CP 2010	15	13	14	558	812
SunLYL10 SunLYL10	Z. Sun, H. Li, M. Yao, N. Li	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming	Yes	[481]	2010	GreenCom 2010	6	4	8	569	813
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	316	814
AronssonBK09 AronssonBK09	M. Aronsson, M. Bohlin, P. Kreuger	MILP formulations of cumulative constraints for railway scheduling - A comparative study	Yes	[22]	2009	ATMOS 2009	13	0	0	326	815
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[37]	2009	CP 2009	1	0	0	333	816
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[220]	2009	CP 2009	9	15	12	433	817
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[315]	2009	CPAIOR 2009	15	53	2	484	818
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[343]	2009	CP 2009	15	7	12	502	819
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[376]	2009	ICAPS 2009	8	0	0	518	820
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[453]	2009	CP 2009	16	34	11	556	821
ThiruvadyBME09 ThiruvadyBME09	Dhananjay R. Thiruvady, C. Blum, B. Meyer, Andreas T. Ernst	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling	Yes	[497]	2009	HM 2009	15	13	12	578	822
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$\{\mathcal O}(kn {\rm log} n)	Yes	[527]	2009	CP 2009	15	25	4	595	823
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[528]	2009	CPAIOR 2009	15	13	4	596	824
BarlattCG08 BarlattCG08	A. Barlatt, Amy Mainville Cohn, Oleg Yu. Gusikhin	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems	Yes	[44]	2008	CPAIOR 2008	5	1	9	336	825
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[73]	2008	CPAIOR 2008	15	8	9	349	826
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[161]	2008	CPAIOR 2008	16	1	2	397	827
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[252]	2008	CPAIOR 2008	5	13	3	448	828
LauLN08 LauLN08	Hoong Chuin Lau, Kong Wei Lye, Viet Bang Nguyen	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)	Yes	[322]	2008	CPAIOR 2008	5	0	4	488	829
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	[381]	2008	CP 2008	16	11	10	520	830
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	[380]	2008	CSE 2008	8	5	14	521	831
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[422]	2008	ICAPS 2008	8	0	0	540	832
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[542]	2008	CPAIOR 2008	15	14	17	602	833
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	[517]	2007	CPAIOR 2007	15	2	8	317	834
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources *cumulative* Constraint with Positive-Negative Resource Consumption-Production	Yes	[74]	2007	CPAIOR 2007	15	4	7	350	835

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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	[143]	2007	CP 2007	13	1	2	390	836
GarganiR07 GarganiR07	A. Gargani, P. Refalo	An Efficient Model and Strategy for the Steel Mill Slab Design Problem	Yes	[190]	2007	CP 2007	13	17	5	413	837
HoeveGSL07 HoeveGSL07	Willem Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[520]	2007	AAAI 2007	6	0	0	452	838
KeriK07 KeriK07	A. Kéri, T. Kis	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method	Yes	[288]	2007	CPAIOR 2007	14	1	13	468	839
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[299]	2007	CPAIOR 2007	15	2	12	475	840
KrogtLPHJ07 KrogtLPHJ07	Roman van der Krogt, J. Little, K. Pulliam, S. Hanhilammi, Y. Jin	Scheduling for Cellular Manufacturing	Yes	[519]	2007	CP 2007	13	2	3	481	841
Limtanyakul07 Limtanyakul07	K. Limtanyakul	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming	Yes	[334]	2007	GOR 2007	6	2	3	495	842
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[375]	2007	CPAIOR 2007	14	0	12	517	843
NethercoteSBBDT07 NethercoteSBBDT07	N. Nethercote, Peter J. Stuckey, R. Becket, S. Brand, Gregory J. Duck, G. Tack	MiniZinc: Towards a Standard CP Modelling Language	Yes	[393]	2007	CP 2007	15	344	5	527	844
RossiTHP07 RossiTHP07	R. Rossi, A. Tarim, B. Hnich, Steven D. Prestwich	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost	Yes	[442]	2007	CPAIOR 2007	15	6	10	551	845
Beck06 Beck06	J. Christopher Beck	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling	Yes	[55]	2006	ICAPS 2006	10	0	0	342	846
BeniniBGM06 BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[80]	2006	CPAIOR 2006	15	18	10	353	847
GomesHS06 GomesHS06	Carla P. Gomes, Willem Jan van Hoeve, B. Selman	Constraint Programming for Distributed Planning and Scheduling	Yes	[216]	2006	AAAI 2006	2	0	0	430	848
KhemmoudjPB06 KhemmoudjPB06	Mohand Ou Idir Khemmoudj, M. Porcheron, H. Bennaceur	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages	Yes	[290]	2006	CP 2006	13	8	8	469	849
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[305]	2006	CPAIOR 2006	13	2	7	479	850
LiuJ06 LiuJ06	Y. Liu, Y. Jiang	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming	Yes	[339]	2006	PRICAI 2006	5	0	0	498	851
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	[435]	2006	SoC 2006	4	2	5	546	852
AbrilSB05 AbrilSB05	M. Abril, Miguel A. Salido, F. Barber	Distributed Constraints for Large-Scale Scheduling Problems	Yes	[4]	2005	CP 2005	1	0	0	315	853
ArtiouchineB05 ArtiouchineB05	K. Artiouchine, P. Baptiste	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs	Yes	[26]	2005	CP 2005	15	3	11	328	854
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[64]	2005	IJCAI 2005	6	0	0	346	855
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[119]	2005	CP 2005	1	0	0	375	856
ChuX05 ChuX05	Y. Chu, Q. Xia	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems	Yes	[130]	2005	CPAIOR 2005	15	13	13	381	857
DilkinaDH05 DilkinaDH05	B. Dilkina, L. Duan, William S. Havens	Extending Systematic Local Search for Job Shop Scheduling Problems	Yes	[159]	2005	CP 2005	5	2	7	396	858
FortinZDF05 FortinZDF05	J. Fortin, P. Zielinski, D. Dubois, H. Fargier	Interval Analysis in Scheduling	Yes	[182]	2005	CP 2005	15	13	11	407	859
FrankK05 FrankK05	J. Frank, E. Kürklü	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations	Yes	[183]	2005	CPAIOR 2005	18	4	4	408	860

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Geske05 Geske05	U. Geske	Railway Scheduling with Declarative Constraint Programming	Yes	[205]	2005	INAP 2005	18	2	3	423	861
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[208]	2005	ICAPS 2005	9	0	0	426	862
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[240]	2005	CP 2005	1	0	3	442	863
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[259]	2005	CP 2005	14	30	10	454	864
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[302]	2005	CP 2005	1	2	3	476	865
MoffittPP05 MoffittPP05	Michael D. Moffitt, B. Peintner, Martha E. Pollack	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints	Yes	[373]	2005	AAAI 2005	6	0	0	516	866
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[436]	2005	ICRA 2005	6	2	7	547	867
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[460]	2005	INAP 2005	15	6	4	559	868
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[526]	2005	CPAIOR 2005	14	5	8	594	869
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[547]	2005	INAP 2005	14	6	6	606	870
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[549]	2005	CP 2005	1	0	0	608	871
ArtiguesBF04 ArtiguesBF04	C. Artigues, S. Belmokhtar, D. Feillet	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times	Yes	[23]	2004	CPAIOR 2004	13	16	9	327	872
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[63]	2004	ECAI 2004	5	0	0	345	873
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[251]	2004	CPAIOR 2004	16	12	14	447	874
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[257]	2004	CP 2004	12	39	9	453	875
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[304]	2004	CP 2004	15	3	12	478	876
LimRX04 LimRX04	A. Lim, B. Rodrigues, Z. Xu	Solving the Crane Scheduling Problem Using Intelligent Search Schemes	Yes	[331]	2004	CP 2004	5	5	6	494	877
MaraveliasG04 MaraveliasG04	Christos T. Maravelias, Ignacio E. Grossmann	Using MILP and CP for the Scheduling of Batch Chemical Processes	Yes	[364]	2004	CPAIOR 2004	20	15	15	512	878
Sadykov04 Sadykov04	R. Sadykov	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem	Yes	[445]	2004	CPAIOR 2004	7	11	7	552	879
Vilim04 Vilim04	P. Vilím	O(n log n) Filtering Algorithms for Unary Resource Constraint	Yes	[525]	2004	CPAIOR 2004	13	22	5	593	880
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[530]	2004	CP 2004	15	13	4	598	881
VillaverdeP04 VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	No	[533]	2004	ISCA 2004	6	0	0	No	882
WolinskiKG04 WolinskiKG04	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures	Yes	[548]	2004	DSD 2004	8	0	9	607	883
BeckPS03 BeckPS03	J. Christopher Beck, P. Prosser, E. Selensky	Vehicle Routing and Job Shop Scheduling: What's the Difference?	Yes	[61]	2003	ICAPS 2003	10	0	0	344	884
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	[140]	2003	CP 2003	5	21	3	388	885
Kumar03 Kumar03	T. K. Satish Kumar	Incremental Computation of Resource-Envelopes in Producer-Consumer Models	Yes	[312]	2003	CP 2003	15	4	2	483	886
OddiPCC03 OddiPCC03	A. Oddi, N. Policella, A. Cesta, G. Cortellessa	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem	Yes	[405]	2003	CP 2003	15	8	6	531	887
ValleMGT03 ValleMGT03	Carmelo Del Valle, Antonio A. Márquez, Rafael M. Gasca, M. Toro	On Selecting and Scheduling Assembly Plans Using Constraint Programming	Yes	[516]	2003	KES 2003	8	7	7	588	888
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[524]	2003	CP 2003	1	1	1	592	889

Table 2: Works from bibtex (Total 313)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[546]	2003	CP 2003	15	11	7	605	890
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[46]	2002	CP 2002	16	6	4	337	891
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[45]	2002	ERCIM/CologNet 2002	15	1	9	338	892
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[71]	2002	CP 2002	17	33	9	348	893
ElkhyariGJ02 ElkhyariGJ02	A. Elkhyari, C. Guéret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems	Yes	[167]	2002	CP 2002	6	1	6	401	894
ElkhyariGJ02a ElkhyariGJ02a	A. Elkhyari, C. Guéret, N. Jussien	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools	Yes	[168]	2002	PATAT 2002	24	9	20	402	895
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[266]	2002	CP 2002	5	8	7	456	896
KamarainenS02 KamarainenS02	O. Kamarainen, Hani El Sakkout	Local Probing Applied to Scheduling	Yes	[279]	2002	CP 2002	17	9	13	463	897
Muscettola02 Muscettola02	N. Muscettola	Computing the Envelope for Stepwise-Constant Resource Allocations	Yes	[385]	2002	CP 2002	16	14	4	524	898
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[523]	2002	CP 2002	1	6	1	591	899
ZhuS02 ZhuS02	Kenny Qili Zhu, Andrew E. Santosa	A Meeting Scheduling System Based on Open Constraint Programming	Yes	[571]	2002	CAiSE 2002	5	0	5	617	900
Thorsteinsson01 Thorsteinsson01	Erlendur S. Thorsteinsson	Branch-and-Check: A Hybrid Framework Integrating Mixed Integer Programming and Constraint Logic Programming	Yes	[499]	2001	CP 2001	15	67	12	579	901
VanczaM01 VanczaM01	J. Váncza, A. Márkus	A Constraint Engine for Manufacturing Process Planning	Yes	[521]	2001	CP 2001	15	2	19	589	902
VerfaillieL01 VerfaillieL01	G. Verfaillie, M. Lemaître	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View	Yes	[522]	2001	CP 2001	15	11	6	590	903
AngelsmarkJ00 AngelsmarkJ00	O. Angelsmark, P. Jonsson	Some Observations on Durations, Scheduling and Allen's Algebra	Yes	[13]	2000	CP 2000	5	1	9	319	904
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[180]	2000	AIPS 2000	10	0	0	405	905
KorbaaYG99 KorbaaYG99	O. Korbaa, P. Yim, J. Gentina	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming	Yes	[296]	1999	ECC 1999	8	1	0	473	906
Simonis99 Simonis99	H. Simonis	Building Industrial Applications with Constraint Programming	Yes	[473]	1999	CCL'99 1999	39	5	18	566	907
CestaOS98 CestaOS98	A. Cesta, A. Oddi, Stephen F. Smith	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints	Yes	[127]	1998	CP 1998	1	5	0	378	908
FrostD98 FrostD98	D. Frost, R. Dechter	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units	Yes	[188]	1998	CP 1998	1	10	2	411	909
GruianK98 GruianK98	F. Gruian, K. Kuchcinski	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming	Yes	[225]	1998	EUROMICRO 1998	8	5	10	436	910
PembertonG98 PembertonG98	Joseph C. Pemberton, Flavius Galiber III	A constraint-based approach to satellite scheduling	Yes	[417]	1998	DIMACS 1998	14	26	0	537	911
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[439]	1998	CP 1998	15	19	10	550	912
Shaw98 Shaw98	P. Shaw	Using Constraint Programming and Local Search Methods to Solve Vehicle Routing Problems	Yes	[463]	1998	CP 1998	15	630	11	561	913
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[40]	1997	CP 1997	15	8	10	335	914
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research	Yes	[57]	1997	CP 1997	15	3	12	343	915

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BoucherBVBL97 BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Schedulingt Problem	No	[106]	1997	PACT 1997	18	0	0	No	916
Caseau97 Caseau97	Y. Caseau	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel	Yes	[123]	1997	CP 1997	4	0	0	376	917
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[414]	1997	PACT 1997	20	0	0	No	918
BrusoniCLMMT96 BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[113]	1996	ISMIS 1996	10	1	9	371	919
Colombani96 Colombani96	Y. Colombani	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem	Yes	[138]	1996	CP 1996	15	4	5	387	920
Zhou96 Zhou96	J. Zhou	A Constraint Program for Solving the Job-Shop Problem	Yes	[568]	1996	CP 1996	15	10	7	615	921
Goltz95 Goltz95	H. Goltz	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling	Yes	[215]	1995	CP 1995	14	7	7	429	922
Puget95 Puget95	J. Puget	Applications of Constraint Programming	Yes	[432]	1995	CP 1995	4	6	2	545	923
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[472]	1995	CP 1995	4	7	3	564	924
Simonis95a Simonis95a	H. Simonis	Application Development with the CHIP System	Yes	[471]	1995	CONTESSA 1995	21	1	12	565	925
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[476]	1995	CP 1995	14	17	8	567	926
Touraivane95 Touraivane95	Touraïvane	Constraint Programming and Industrial Applications	Yes	[505]	1995	CP 1995	3	2	1	582	927
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	[275]	1994	ILPS 1994	1	0	0	No	928
NuijtenA94 NuijtenA94	W. P. M. Nuijten, Emile H. L. Aarts	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling	Yes	[403]	1994	ECAI 1994	5	0	0	530	929
Wallace94 Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[535]	1994	Constraint Programming 1994	19	0	0	No	930
BaptisteLV92 BaptisteLV92	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming	Yes	[43]	1992	ICRA 1992	6	13	6	334	931
ErtlK91 ErtlK91	M. Anton Ertl, A. Krall	Optimal Instruction Scheduling using Constraint Logic Programming	Yes	[169]	1991	PLILP 1991	12	14	14	403	932

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	620
AbrilSB05 [4]	1	distributed, scheduling, multi-agent, order					railway				234	853
Acuna-AgostMFG09 [5]	2	re-scheduling, order, scheduling, transportation					railway		Roadef		195	814
AkkerDH07 [517]	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					215	834
AlesioNBG14 [158]	18	preempt, job-shop, distributed, scheduling, completion-time, make-span, resource, open-shop, order, job, activity, task		alldifferent		OPL, Cplex	automotive		benchmark		133	752
AngelsmarkJ00 [13]	5	resource, job, order, scheduling, task, job-shop									285	904
AntunesABDEGGOL18 [1	8	lateness, task, re-scheduling, earliness, machine, activity, due-date, scheduling, order		bin-packing		Cplex, OZ		electricity industry	real-world, industrial partner, industry partner		69	688
AntuoriHHEN20 [16]	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	663
AntuoriHHEN21 [17]	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	651
ArbaouiY18 [19]	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		70	689
ArmstrongGOS21 [20]	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	652
ArmstrongGOS22 [21]	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	635

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
AronssonBK09 [22]	13	job-shop, transportation, order, job, task		cumulative	Prolog	Cplex, CHIP	railway		real-world, real-life	sweep	196	815
ArtiguesBF04 [23]	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	253	872
ArtiouchineB05 [26]	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	235	854
Astrand0F21 [28]	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	654
AstrandJZ18 [29]	9	resource, task, machine, make-span, order, activity, scheduling	single machine	disjunctive, cumulative, cycle		Gecode	hoist, robot	potash industry		time-tabling	71	690
BadicaBIL19 [32]	11	completion-time, resource, order, activity, machine, multi-agent, distributed, make-span, scheduling		cycle		ECLiPSe, Gecode			github		54	673
BajestaniB11 [33]	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				173	792
Baptiste09 [37]	1	scheduling									197	816
BaptisteLV92 [43]	6										312	931
BaptisteP97 [40]	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	295	914
BarlattCG08 [44]	5	scheduling, resource, setup-time, job, task, machine, flow-shop, job-shop, transportation					automotive, pipeline		real-world		206	825
Bartak02 [46]	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	272	891
Bartak02a [45]	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	273	892
BartakV15 [51]	12	job-shop, resource, scheduling, make-span, precedence, order, machine, job, lateness, activity, re-scheduling, setup-time							real-world, real-life	sweep	115	734

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BartoliniBBLM14 [52]	16	resource, tardiness, task, job, activity, make-span, machine, scheduling		alternative constraint, cumulative			super-computer				134	753
BarzegaranZP20 [53]	9	re-scheduling, resource, distributed, machine, task, scheduling, order			Java	OR-Tools	automotive, robot				45	664
Beck06 [55]	10	due-date, flow-shop, order, scheduling, make-span, machine, resource, job, job-shop, tardiness				Ilog Scheduler			benchmark		227	846
BeckDF97 [57]	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	296	915
BeckPS03 [61]	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		265	884
BeckW04 [63]	5	job-shop, machine, job, activity, order, distributed, make-span, scheduling, flow-shop, resource	single machine			Ilog Scheduler				edge-finding, time-tabling	254	873
BeckW05 [64]	6	job-shop, job, activity, order, make-span, scheduling, flow-shop, resource				Ilog Scheduler				edge-finder	236	855
BehrensLM19 [68]	7	order, setup-time, resource, task, machine, distributed, multi-agent, scheduling, make-span			Python	OR-Tools, MiniZinc, OZ	robot		real-world, github		55	674
BeldiceanuC02 [71]	17	order, producer/consumer, scheduling, machine, task, resource, activity	single machine	cumulative	Prolog	SICStus, CHIP, OZ	crew-scheduling		real-life, random instance, benchmark	sweep	274	893
BeldiceanuCP08 [73]	15	resource, task, scheduling, order		geost, cumulative, disjunctive	Prolog	SICStus, CHIP, OPL	rectangle-packing, perfect-square		benchmark	edge-finding, sweep	207	826
BeldiceanuP07 [74]	15	preempt, scheduling, release-date, task, resource, order, due-date		cumulative, disjunctive						sweep	216	835
BenderWS21 [76]	16	preempt, activity, task, order, machine, make-span, job, distributed, resource, setup-time, scheduling	RCPSP	noOverlap	Python		agriculture				36	655
BenediktSMVH18 [79]	10	job-shop, scheduling, order, job, preempt, resource, machine	single machine, parallel machine	noOverlap		OZ, Gurobi	energy-price		github, random instance, generated instance		72	691
BeniniBGM06 [80]	15	activity, task, distributed, tardiness, precedence, scheduling, make-span, resource, order, setup-time		cycle, cumulative		ECLiPSe, Cplex, Ilog Solver, OZ	automotive, pipeline		real-life		228	847

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BertholdHLMS10 [83]	5	precedence, scheduling, order, completion-time, job, resource, preempt	psplib, RCPSP	disjunctive, cumulative		Cplex, Z3					187	806
BessiereHMQW14 [84]	16	scheduling, order, job, resource, setup-time, task, machine		alldifferent, cycle		Choco Solver	satellite	textile industry	benchmark, real-life		135	754
BillautHL12 [86]	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		160	779
Bit-Monnot23 [87]	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	621
BofillCSV17 [93]	9	machine, preempt, cmax, lazy clause generation, precedence, scheduling, make-span, resource, order, activity	RCPSP, psplib	cumulative		Z3			benchmark	energetic reasoning	85	704
BofillEGPSV14 [94]	16	order, scheduling, lazy clause generation, machine, task				Cplex, Gecode, MiniZinc			industrial instance	time-tabling	136	755
BofillGSV15 [95]	9	machine, scheduling, order				Cplex			industrial instance	time-tabling	116	735
BogaerdtW19 [518]	16	scheduling, completion-time, order, setup-time, job, machine, job-shop, tardiness, precedence	single machine, parallel machine	noOverlap	C	OPL, Cplex	railway		benchmark		56	675
BonfiettiLBM11 [97]	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		174	793
BonfiettiLBM12 [98]	16	scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, job-shop	RCPSP	cumulative, cycle		Ilog Solver	hoist, robot		benchmark	time-tabling	161	780
BonfiettiLM13 [100]	5	make-span, job-shop, precedence, resource, activity, job, order, scheduling	RCPSP	cumulative, cycle		Cplex					148	767
BonfiettiLM14 [101]	16	make-span, machine, task, job-shop, precedence, open-shop, resource, activity, job, distributed, order, scheduling	RCPSP, psplib	cumulative					real-world, benchmark		137	756
BonfiettiM12 [102]	3	job, task, precedence, job-shop, resource, activity, scheduling, machine	RCPSP	cumulative			hoist		industrial instance		162	781
BonfiettiZLM16 [103]	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	98	717

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BoothNB16 [104]	17	distributed, resource, scheduling, task, machine, precedence, order, activity, re-scheduling		disjunctive, cumulative, noOverlap	C++	Cplex	robot, medical		real-world		99	718
BoudreaultSLQ22 [107]	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	636
BridiLBBM16 [111]	2	resource, task, machine, distributed, make-span, order, job, activity, scheduling									100	719
BrusoniCLMMT96 [113]	10	resource, activity, precedence, task, distributed, due-date, job-shop, scheduling, order, job		disjunctive	Prolog		railway				300	919
BurtLPS15 [114]	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		117	736
CappartS17 [117]	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		86	705
CappartTSR18 [118]	17	resource, setup-time, producer/consumer, scheduling, transportation, order, activity		cumulative, noOverlap, circuit, disjunctive		Cplex, MiniZinc, OPL, CPO	medical, patient		bitbucket, CSPlib, real-life		73	692
CarchraeBF05 [119]	1	scheduling, order, task, make-span									237	856
Caseau97 [123]	4	preempt, make-span, order, scheduling, job, resource, job-shop, task		cumulative			robot		benchmark	edge-finding	298	917
CauwelaertDMS16 [124]	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	101	720
CestaOS98 [127]	1	resource, scheduling, job					robot				289	908
ChapadosJR11 [128]	6	activity, scheduling, order, task		cycle, cumulative		OPL		retail industry		time-tabling	175	794
ChuGNSW13 [129]	7	distributed, resource, scheduling, precedence, order, task, machine, job		disjunctive, cumulative, alldifferent		CHIP				not-first, not-last, edge-finding	149	768
ChuX05 [130]	15	scheduling, machine, resource, job, release-date, order, due-date, completion-time	single machine	disjunctive, cumulative		ECLiPSe					238	857
CireCH13 [131]	7	make-span, tardiness, scheduling, machine, job, resource, precedence, task, order		circuit, cumulative		OPL, Cplex, OZ					150	769

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 [132]	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	176	795
CobanH10 [133]	5	distributed, tardiness, job, preempt, re-scheduling, make-span, order, scheduling		circuit, disjunctive		OPL, Cplex					188	807
CohenHB17 [134]	17	scheduling, task, machine, order, activity		alternative constraint, noOverlap		OZ, OPL, Cplex				time-tabling	87	706
ColT19 [136]	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	676
Colombani96 [138]	15	job, scheduling, resource, order, task, preempt, activity, due-date, machine, precedence, release-date, job-shop		disjunctive		CHIP					301	920
DannaP03 [140]	5	machine, job, job-shop, activity, earliness, order, tardiness, scheduling, resource		disjunctive		Cplex, Ilog Solver, Ilog Scheduler			benchmark		266	885
Davenport10 [142]	5	resource, release-date, tardiness, scheduling, completion-time, order, earliness, due-date				Cplex	semiconductor				189	808
DavenportKRSH07 [143]	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			217	836
DejemeppeCS15 [151]	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	118	737
DejemeppeD14 [152]	9	make-span, precedence, job-shop, resource, activity, setup-time, scheduling, order, job		cumulative			medical, patient		bitbucket		138	757
DemirovicS18 [154]	18	scheduling, order, task, resource, activity, precedence		cumulative, disjunctive		MiniZinc, Gurobi, OZ			real-world, benchmark	time-tabling	74	693
DerrienP14 [156]	9	resource, scheduling, activity, order, make-span	psplib, CuSP	cumulative	Java	Choco Solver			random instance	sweep, edge-finding, energetic reasoning	139	758
DerrienPZ14 [157]	9	re-scheduling, make-span, scheduling, resource, order, job, activity, machine, precedence	RCPSP, CuSP	cumulative		Choco Solver, CHIP			benchmark, random instance, real-world	sweep	140	759
DilkinaDH05 [159]	5	machine, precedence, job-shop, make-span, job, scheduling, order				OPL					239	858

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
DoomsH08 [161]	16	scheduling, resource, completion-time, machine, job, job-shop, activity, task, order	RCPSP					services industry			208	827
DoulabiRP14 [162]	9	activity, scheduling, due-date, resource, task, order		bin-packing		Cplex	surgery, nurse, operating room, medical, patient				141	760
EdisO11 [164]	7	task, job, completion-time, activity, lateness, earliness, resource, make-span, scheduling, flow-time, preempt, tardiness, due-date, machine	parallel machine	bin-packing, noOverlap, cumulative		OPL, OZ, Cplex					177	796
EfthymiouY23 [165]	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	622
ElkhyariGJ02 [167]	6	resource, activity, precedence, scheduling, machine, due-date, preempt, make-span, re-scheduling, task	RCPSP	cumulative, disjunctive, table constraint							275	894
ElkhyariGJ02a [168]	24	activity, re-scheduling, order, due-date, scheduling, task, precedence, open-shop, resource	RCPSP, psplib	cumulative, disjunctive		OZ, OPL			benchmark, real-life	time-tabling	276	895
ErtlK91 [169]	12	setup-time, resource, scheduling, order, machine, task		cycle	Prolog		pipeline		real-world, benchmark		313	932
EvenSH15 [171]	18	preempt, transportation, order, scheduling, machine, distributed, resource, completion-time, task		disjunctive, cumulative		OPL, Choco Solver	emergency service		real-life, real-world	sweep	119	738
FocacciLN00 [180]	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	286	905
FontaineMH16 [181]	11	order, machine, job, task, completion-time, make-span, job-shop, resource, precedence, scheduling	parallel machine	disjunctive		MiniZinc, Gurobi, CHIP			benchmark		102	721
FortinZDF05 [182]	15	resource, order, task, activity, temporal constraint reasoning, precedence, make-span, scheduling	psplib								240	859
FrankK05 [183]	18	order, scheduling, job, resource, due-date, task, precedence		cycle			satellite, aircraft		benchmark		241	860
FrimodigS19 [185]	17	resource, order, task, machine, job-shop, job, scheduling		regular expression, cumulative, bin-packing	Python	Gecode, Cplex, MiniZinc, OZ	radiation therapy, surgery, medical, patient, nurse, physician		benchmark, real-world		58	677

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
FrohnerTR19 [187]	9	scheduling, order, distributed			Java, Python	MiniZinc, Gecode, Gurobi	nurse		benchmark, real-world		59	678
FrostD98 [188]	1	order, scheduling						power industry			290	909
GalleguillosKSB19 [189]	18	re-scheduling, machine, distributed, resource, order, activity, job, scheduling, make-span	JSSP	cumulative, alternative constraint	Python	OR-Tools, OZ	super-computer, datacenter				60	679
GarganiR07 [190]	13	order, machine, resource, inventory		bin-packing	C++	OPL	steel mill	steel industry	real-life, CSPlib		218	837
GayHLS15 [193]	9	precedence, task, order, make-span, resource, scheduling, activity	OSP, psplib, RCPSP	cumulative, disjunctive					benchmark, bitbucket	edge-finding, time-tabling	120	739
GayHS15 [194]	9	scheduling, precedence, resource, preempt, task, order		cumulative, table constraint, disjunctive		Choco Solver, OR-Tools, Gecode			bitbucket	time-tabling, sweep	121	740
GayHS15a [195]	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	122	741
GaySS14 [196]	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	143	762
GeibingerKKMMW21 [198	10	distributed, scheduling				MiniZinc, OR-Tools, Gurobi, Cplex, Gecode	nurse, physician, COVID, medical, patient	pharmaceutica industry	real-world		37	656
GeibingerMM19 [200]	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	680
GeibingerMM21 [201]	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	657

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GeitzGSSW22 [202]	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	637
GelainPRVW17 [203]	16	resource, scheduling, order							CSPlib, real-life, benchmark		88	707
Geske05 [205]	18	machine, task, re-scheduling, job, activity, order, distributed, resource, scheduling, lateness, job-shop		cumulative	Prolog	CHIP, SICStus	railway		real-life		242	861
GilesH16 [206]	16	inventory, setup-time, activity, task, transportation, order, scheduling, resource		cumulative, disjunctive		Cplex	pipeline	petrochemical industry, chemical processing industry, chemical industry			103	722
GingrasQ16 [207]	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	104	723
GodardLN05 [208]	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		243	862
GodetLHS20 [210]	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, binpacking, cumulative, disjunctive		OZ, Choco Solver, CHIP, Chuffed	satellite		github, real-life, benchmark, generated instance	not-last, time-tabling	46	665
GoldwaserS17 [213]	16	scheduling, machine, transportation, due-date, order, lazy clause generation, resource		cumulative, disjunctive	Python	Gurobi, Gecode	torpedo	steel industry	instance generator, github, generated instance		89	708
Goltz95 [215]	14	due-date, machine, task, job, completion-time, order, resource, scheduling, precedence, job-shop		cumulative, disjunctive	Prolog	CHIP			benchmark	edge-finding	303	922
GomesHS06 [216]	2	scheduling, distributed, task, multi-agent, order				Ilog Solver			real-life		229	848
GrimesH10 [217]	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	190	809

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GrimesH11 [218]	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	178	797
GrimesHM09 [220]	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	198	817
GroleazNS20 [224]	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	666
GroleazNS20a [223]	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	667
GruianK98 [225]	8	task, resource, scheduling, order, activity, re-scheduling		cumulative, cycle, diffn, circuit		OPL, CHIP	pipeline, aircraft		benchmark		291	910
GuSS13 [226]	7	lazy clause generation, activity, order, distributed, scheduling, precedence, make-span, machine, resource	single machine	cumulative					benchmark	edge-finding, edge-finder, time-tabling	151	770
GuSW12 [227]	15	lazy clause generation, activity, order, preempt, scheduling, precedence, make-span, cmax, resource, job		cumulative	C++				benchmark		163	782
HanenKP21 [233]	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	658
He0GLW18 [237]	18	distributed, machine, precedence, re-scheduling, transportation, multi-agent, order, scheduling			Python	Gurobi	real-time pricing, energy-price		real-world, bitbucket		75	694
HebrardALLCMR22 [238]	7	activity, order, scheduling		cumulative	Julia	OZ, Claire	deep space			sweep	19	638
HebrardTW05 [240]	1	order, job, machine, job-shop, scheduling									244	863
HechingH16 [241]	11	re-scheduling, job, task, order, scheduling, manpower		circuit, noOverlap		OPL, Cplex, OZ	patient, medical		real-world		105	724
HeinzB12 [243]	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					164	783
HeinzKB13 [244]	16	release-date, job-shop, resource, scheduling, order, machine, tardiness, job	single machine	cumulative		OPL, Cplex					152	771

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HeinzS11 [246]	10	preempt, order, scheduling, resource, completion-time, machine, job	psplib, RCPSP	disjunctive, cumulative		Cplex			benchmark	energetic reasoning, time-tabling	179	798
HentenryckM04 [251]	16	open-shop, resource, order, activity, job, due-date, completion-time, tardiness, scheduling, make-span, machine, task, job-shop, precedence		disjunctive, cycle, cumulative					benchmark		255	874
HentenryckM08 [252]	5	order		bin-packing			steel mill		CSPlib		209	828
HermenierDL11 [253]	15	precedence, distributed, resource, order, scheduling, completion-time, producer/consumer, machine, task		bin-packing, disjunctive, alldifferent, cumulative, cycle, table constraint		OZ, Choco Solver	datacenter				180	799
HillTV21 [254]	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	659
HoYCLLCLC18 [255]	6	resource, task, machine, distributed, re-scheduling, order, job, scheduling			C		nurse, medical, patient		real-world		76	695
HoeveGSL07 [520]	6	re-scheduling, job, precedence, distributed, resource, task, job-shop, multi-agent, scheduling, machine, order		disjunctive		Ilog Scheduler, Cplex			benchmark	edge-finding	219	838
Hooker04 [257]	12	machine, task, precedence, release-date, make-span, order, tardiness, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		256	875
Hooker05a [259]	14	release-date, due-date, resource, scheduling, make-span, task, precedence, order, machine, tardiness, job		circuit, cumulative, disjunctive		OPL, Cplex, Ilog Scheduler					245	864
Hooker17 [262]	14	job, due-date, order, tardiness, scheduling, resource		circuit		OZ			benchmark, random instance		90	709
HookerY02 [266]	5	resource, scheduling, order, machine, job	RCPSP	disjunctive, cumulative							277	896
HoundjiSWD14 [267]	16	precedence, resource, scheduling, machine, inventory, transportation, due-date, order	single machine	circuit					bitbucket, generated instance		144	763
IfrimOS12 [270]	16	task, order, machine, job, re-scheduling, distributed, due-date, resource, scheduling		disjunctive			datacenter, energy-price		real-life		165	784
JelinekB16 [274]	10	scheduling, task, order, completion-time		table constraint, cumulative	Prolog	OZ, SICStus, OPL			real-life		106	725
JungblutK22 [276]	4	distributed, machine, make-span, scheduling, resource, order, task, preempt		circuit		MiniZinc			benchmark, github, real-world		20	639
JuvinHHL23 [277]	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	623

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
JuvinHL23 [278]	16	make-span, completion-time, task, precedence, order, cmax, machine, tardiness, job, setup-time, job-shop, flow-shop, scheduling		noOverlap, endBeforeStart		Cplex, CPO			real-world		5	624
KamarainenS02 [279]	17	machine, job-shop, resource, precedence, transportation, earliness, activity, job, order, preempt, scheduling	KRFP			ECLiPSe			real-world, benchmark		278	897
KameugneFGOQ18 [281]	17	resource, task, cmax, precedence, make-span, scheduling, order, completion-time	RCPSP, CuSP	cumulative, disjunctive	Java	CHIP, Choco Solver			benchmark, real-world	time-tabling, not-first, sweep, not-last, energetic reasoning	77	696
KameugneFND23 [282]	17	machine, resource, precedence, cmax, order, preempt, scheduling, make-span, completion-time, task, lazy clause generation	psplib, CuSP, RCPSP	disjunctive, cumulative	Java	CHIP, Choco Solver			benchmark	sweep, energetic reasoning, edge-finding, not-last, not-first, edge-finder, time-tabling	6	625
KameugneFSN11 [283]	15	job-shop, release-date, resource, precedence, job, order, preempt, scheduling, make-span, completion-time, task	RCPSP, psplib, CuSP	disjunctive, cumulative		Gecode			benchmark	edge-finding, not-last, not-first, time-tabling	181	800
KelarevaTK13 [286]	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		153	772
KeriK07 [288]	14	due-date, tardiness, temporal constraint reasoning, job, activity, order, earliness, make-span, scheduling, precedence, cmax, resource, job-shop	RCPSP	cycle	C++					edge-finding	220	839
KhemmoudjPB06 [290]	13	resource, stock level, distributed, order, scheduling		cycle, cumulative	C++	CHIP			real-world		230	849

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KimCMLLP23 [291]	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	626
KlankeBYE21 [292]	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	660
KletzanderM17 [293]	15	scheduling, machine, resource, transportation, order	parallel machine			OZ	torpedo	steel industry			91	710
KorbaaYG99 [296]	8	job, resource, task, job-shop, scheduling, machine, flow-shop, order, transportation, make-span		cycle, circuit	Prolog	CHIP, Ilog Solver, OZ	robot, hoist				287	906
KoschB14 [298]	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		145	764
KovacsB07 [299]	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		221	840
KovacsEKV05 [302]	1	scheduling, resource, setup-time, job, job-shop, precedence							real-life		246	865
KovacsTKSG21 [306]	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	661
KovacsV04 [304]	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	257	876
KovacsV06 [305]	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		231	850
KreterSS15 [307]	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		123	742
KrogtLPHJ07 [519]	13	resource, order, job, inventory, activity, due-date, machine, job-shop, precedence, scheduling		circuit	Prolog	OPL	semiconductor, aircraft		real-world		222	841
KucukY19 [313]	5	order, scheduling, distributed, resource, setup-time, sequence dependent setup, task		disjunctive, cycle, noOverlap		Cplex	satellite, earth observation		benchmark, generated instance	time-tabling	62	681

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Kumar03 [312]	15	activity, order, scheduling, producer/consumer, resource		cycle						bi-partite matching, max-flow	267	886
Laborie09 [315]	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		199	818
Laborie18a [316]	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	78	697
LacknerMMWW21 [318]	18	release-date, flow-shop, batch process, setup-time, job, order, due-date, tardiness, scheduling, make-span, machine, task, lateness, earliness	parallel machine, OSP, single machine	noOverlap, cumulative, endBeforeStart		Chuffed, Cplex, OPL, CPO, OZ, OR-Tools, MiniZinc, Gurobi	semiconductor oven scheduling	electronics industry, steel industry, manufacturing industry	random instance, industrial partner, benchmark, instance generator, real-life, supplementary material		43	662
LahimerLH11 [320]	14	resource, task, machine, preempt, cmax, precedence, make-span, order, job, scheduling, completion-time	parallel machine, RCPSP	disjunctive	C++	Ilog Scheduler			benchmark	energetic reasoning	182	801
LauLN08 [322]	5	order, distributed, inventory, resource, scheduling, flow-shop, transportation, job-shop, machine, job							benchmark, real-world		210	829
LetortBC12 [326]	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	166	785
LetortCB13 [327]	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	154	773
LiFJZLL22 [329]	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	640
LimBTBB15 [333]	15	job-shop, scheduling, multi-agent, order, machine, tardiness, job, re-scheduling, earliness				OPL	HVAC		benchmark	time-tabling	124	743
LimHTB16 [332]	18	machine, activity, re-scheduling, multi-agent, order, scheduling, distributed		cumulative		OPL	real-time pricing, HVAC, energy-price		real-world		107	726
LimRX04 [331]	5	scheduling, preempt, machine, job, completion-time, order, transportation				OZ	container terminal		generated instance		258	877

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Limtanyakul07 [334]	6	make-span, task, machine, release-date, resource, precedence, job, order, scheduling, due-date		cumulative		OPL	robot		real-life	energetic reasoning	223	842
LipovetzkyBPS14 [336]	9	scheduling, resource, precedence, task, order, transportation, make-span		disjunctive		Cplex	crew-scheduling		industrial partner, real-life, industry partner, real-world, benchmark, generated instance		146	765
LiuCGM17 [338]	17	transportation, order, cmax, scheduling, machine, task, activity			Python	OR-Tools, OPL, MiniZinc		tourism industry	github		92	711
LiuJ06 [339]	5	make-span, task, order, scheduling, resource		cycle, disjunctive							232	851
LiuLH19 [337]	9	order, resource, scheduling				Choco Solver, OZ			CSPlib, benchmark	time-tabling	63	682
LombardiBM15 [341]	16	completion-time, job-shop, resource, activity, precedence, scheduling, machine, distributed, order, job, make-span, task	JSSP, RCPSP, psplib						benchmark, real-world		125	744
LombardiBMB11 [342]	17	resource, order, activity, completion-time, scheduling, make-span, machine, task, precedence	RCPSP	cycle, cumulative	C++		hoist		benchmark, industrial instance, real-life		183	802
LombardiM09 [343]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task, preempt	RCPSP			Ilog Solver			real-world, instance generator		200	819
LombardiM10 [345]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task	RCPSP	disjunctive, cumulative		Ilog Solver			real-world, benchmark		191	810
LombardiM13 [348]	2	precedence, make-span, order, activity, scheduling, resource, task	RCPSP, psplib								155	774
LouieVNB14 [352]	7	resource, job, scheduling, task, order, machine, activity		cycle		OPL	patient, robot				147	766
LuoB22 [356]	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	641
LuoVLBM16 [355]	4	task, machine, precedence, order, job, activity, job-shop, resource, scheduling					nurse			time-tabling	108	727
Madi-WambaB16 [357]	16	precedence, job, order, scheduling, task, resource		cumulative	Java	Choco Solver, CHIP			real-world, benchmark, random instance, generated instance		109	728

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Madi-WambaLOBM17 [358]	8	machine, task, activity, re-scheduling, job, precedence, distributed, scheduling, order, resource		bin-packing, cumulative	Prolog	SICStus	datacenter		real-world	sweep	93	712
MakMS10 [359]	5	scheduling, due-date, order, machine, inventory, task, job, activity, transportation, precedence, resource		cycle							192	811
MalapertN19 [361]	17	make-span, scheduling, completion-time, sequence dependent setup, resource, order, setup-time, job, flow-time, task, machine, cmax	parallel machine, PMSP, PTC, single machine	noOverlap, alwaysIn, cumulative, alternative constraint		Cplex, CPO	semiconductor		generated instance, benchmark, industrial instance, Roadef		64	683
MaraveliasG04 [364]	20					OZ					259	878
Mehdizadeh-Somarin23 [367]	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	627
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		126	745
Mercier-AubinGQ20 [372]	13	job, preempt, task, make-span, sequence dependent setup, setup-time, tardiness, precedence, resource, earliness, completion-time, machine, lazy clause generation, activity, job-shop, due-date, scheduling, order	RCPSP	cycle, circuit, cumulative, disjunctive	C++, Python	OPL, MiniZinc		textile industry, manufacturing industry	industrial instance, industrial partner		49	668
MoffittPP05 [373]	6	scheduling, resource, order, activity, machine, cmax, make-span	Temporal Constraint Satisfaction Problem	cycle, disjunctive							247	866
MonetteDD07 [375]	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	224	843
MonetteDH09 [376]	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	201	820
MossigeGSMC17 [379]	18	activity, job, distributed, order, completion-time, preempt, scheduling, make-span, machine, task, job-shop, resource, precedence	FJS, single machine, RCPSP	cumulative, cycle, disjunctive	Prolog	SICStus, CHIP	rectangle-packing, robot		industrial partner, real-world, benchmark, random instance, CSPlib, generated instance		94	713

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MouraSCL08 [381]	16	scheduling, preempt, activity, order, transportation, inventory, precedence, distributed, resource		table constraint, disjunctive, cycle	C++	Ilog Solver, OZ, Ilog Scheduler	pipeline			max-flow	211	830
MouraSCL08a [380]	8	transportation, re-scheduling, order, scheduling, due-date, resource, inventory, distributed		disjunctive, cumulative	C++	Ilog Solver, Ilog Scheduler	pipeline		real-world, benchmark		212	831
MurinR19 [383]	16	job-shop, task, make-span, transportation, order, resource, scheduling, machine, setup-time, job, activity, completion-time, precedence	JSPT	noOverlap, alternative constraint, endBeforeStart		Cplex, OPL	patient, robot		real-life, benchmark, github		65	684
MurphyMB15 [384]	17	scheduling, task, order, machine, activity, re-scheduling, resource		cycle, circuit, cumulative, disjunctive	Java	Choco Solver			real-world		127	746
Muscettola02 [385]	16	job-shop, resource, activity, precedence, scheduling, order, job, cmax		cycle						edge-finding, max-flow	279	898
MusliuSS18 [386]	17	distributed, scheduling, activity, manpower, task, order, machine		cycle		Gecode, Gurobi, MiniZinc	operating room, nurse		generated instance, benchmark, real-life		79	698
NattafM20 [392]	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	669
NethercoteSBBDT07 [393]	15	resource, machine, job-shop, order, job, task			C++	MiniZinc, ECLiPSe, Choco Solver, Ilog Solver, OZ, Gecode, OPL, Cplex			CSPlib, benchmark		225	844
NishikawaSTT18 [395]	6	make-span, order, resource, activity, task, distributed, precedence, scheduling		alternative constraint, endBeforeStart		Cplex, OZ	pipeline, robot		real-world, benchmark		80	699
NishikawaSTT18a [396]	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		81	700
NuijtenA94 [403]	5	precedence, resource, job-shop, scheduling, preempt, order, completion-time, machine, make-span, job	JSSP	disjunctive	C++	Ilog Solver, CPO				time-tabling	310	929
OddiPCC03 [405]	15	preempt, distributed, resource, scheduling, precedence, order, completion-time, task, machine, activity	single machine	cycle	Java		satellite, earth observation		benchmark		268	887

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
OuelletQ13 [407]	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	156	775
OuelletQ18 [408]	18	scheduling, task, order, make-span, completion-time, precedence, resource	RCPSP, psplib	cumulative, disjunctive	Java	OZ, Choco Solver			benchmark, Roadef	edge-finding, not-first, energetic reasoning, not-last, time-tabling	82	701
OuelletQ22 [409]	17	scheduling, task, order, preempt, activity, completion-time, resource, lazy clause generation		cumulative, disjunctive	Java	MiniZinc, Choco Solver	nurse		github, benchmark, random instance	edge-finding, not-first, energetic reasoning, not-last, time-tabling, sweep	23	642
OujanaAYB22 [410]	6	distributed, due-date, tardiness, make to order, precedence, flow-shop, job-shop, batch process, buffer-capacity, make-span, setup-time, job, scheduling, completion-time, sequence dependent setup, resource, open-shop, order, task, machine, preempt	PMSP, parallel machine, FJS, HFF	span constraint, noOverlap, disjunctive		CPO, OPL	COVID, robot	food industry, steel industry	benchmark, industrial instance, real-world, real-life		24	643
ParkUJR19 [416]	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	685
PembertonG98 [417]	14	job-shop, resource, activity, preempt, scheduling, machine, order, job, task		geost, cycle		Ilog Solver, OPL	satellite, robot				292	911
PerezGSL23 [418]	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	628
PesantRR15 [420]	16	activity, transportation, lazy clause generation, scheduling, order		cumulative, table constraint		Gurobi, Gecode, Ilog Solver					128	747

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
PoderB08 [422]	8	resource, producer/consumer, release-date, task, activity, preempt, due-date, order, scheduling		cumulative		CHIP				sweep	213	832
PopovicCGNC22 [426]	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	644
PovedaAA23 [428]	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	629
Pralet17 [429]	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		95	714
PraletLJ15 [430]	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				129	748
Puget95 [432]	4	resource, job-shop, task, job, activity, order, scheduling, transportation, manpower		disjunctive		OPL			benchmark		304	923
QuSN06 [435]	4	task, scheduling, distributed, resource, precedence		circuit	Prolog	SICStus					233	852
QuirogaZH05 [436]	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				248	867
RendlPHPR12 [437]	17	re-scheduling, job, scheduling, order, machine, transportation			Java	OZ	medical, patient, nurse		real-world, CSPlib, benchmark		167	786
RiahiNS018 [438]	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		83	702
RodosekW98 [439]	15	task, order, transportation, machine, activity, make-span, job, resource, scheduling		circuit, disjunctive, cycle	Prolog	OPL, CHIP, ECLiPSe, Cplex	hoist, electroplating		benchmark		293	912
RossiTHP07 [442]	15	resource, inventory, scheduling, distributed, stock level, order		cumulative, cycle		OPL, Choco Solver					226	845
Sadykov04 [445]	7	release-date, due-date, preempt, scheduling, completion-time, task, precedence, machine, job, lateness	parallel machine, single machine	disjunctive						edge-finding	260	879

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SchuttCSW12 [450]	17	scheduling, resource, order, preempt, activity, lazy clause generation, precedence, make-span		cumulative		CHIP			benchmark		168	787
SchuttFS13 [452]	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	157	776
SchuttFS13a [451]	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	158	777
SchuttFSW09 [453]	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	202	821
SchuttS16 [458]	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		110	729
SchuttW10 [459]	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	193	812
SchuttWS05 [460]	15	task, order, due-date, machine, preempt, resource, release-date, scheduling		cumulative, disjunctive		OPL, CHIP			benchmark	not-last	249	868
SerraNM12 [461]	17	preempt, resource, scheduling, precedence, order, machine, activity, release-date, inventory		alwaysIn, cumulative, cycle		OPL, Cplex			benchmark, real-world		169	788
Shaw98 [463]	15	distributed, resource, machine, job, job-shop, transportation, task, order, scheduling		disjunctive	C++				benchmark		294	913
SialaAH15 [468]	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	130	749
SimoninAHL12 [469]	15	resource, activity, precedence, preempt, scheduling, order, task		disjunctive, span constraint, cumulative, cycle		CHIP	satellite			sweep	170	789
Simonis95 [472]	4	transportation, resource, scheduling, task, machine, producer/consumer, precedence, order		cumulative, cycle, diffn, circuit	Prolog	CHIP	aircraft	food industry			305	924
Simonis95a [471]	21	due-date, scheduling, manpower, task, order, machine, inventory, job, precedence, producer/consumer, distributed, stock level, resource		cycle, diffn, circuit, cumulative	Prolog, C++	OZ, OPL, CHIP	aircraft, pipeline	chemical industry	real-life, benchmark		306	925

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Simonis99 [473]	39	due-date, manpower, transportation, resource, scheduling, stock level, task, machine, producer/consumer, precedence, order, job, activity, inventory		disjunctive, cumulative, alldifferent, cycle, diffn, circuit	C++, Prolog	OZ, OPL, CHIP, ECLiPSe, SICStus	aircraft, pipeline, nurse	process industry, chemical industry, food industry	benchmark, real-world, real-life	bi-partite matching	288	907
SimonisC95 [476]	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		307	926
SquillaciPR23 [478]	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	630
SunLYL10 [481]	6	task, order, scheduling, distributed		cycle		Cplex, OPL	automotive				194	813
SvancaraB22 [483]	8	multi-agent, batch process, make-span, order, activity, scheduling, resource, task		alternative constraint, noOverlap			railway		benchmark, real-world	time-tabling	26	645
SzerediS16 [484]	10	task, order, machine, preempt, activity, make-span, resource, precedence, lazy clause generation, scheduling	RCPSP, psplib	cumulative		Cplex, MiniZinc, Chuffed, Gecode			benchmark		111	730
TangB20 [486]	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	670
TardivoDFMP23 [488]	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	631
TasselGS23 [489]	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	632
Teppan22 [492]	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	646

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Tesch16 [495]	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	112	731
Tesch18 [496]	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	84	703
ThiruvadyBME09 [497]	15	tardiness, open-shop, machine, due-date, job, make-span, scheduling, order, resource, setup-time	single machine	cumulative	C++	Gecode					203	822
Thorsteinsson01 [499]	15	task, due-date, order, scheduling, job, machine, precedence	parallel machine	alldifferent, circuit, cumulative		OZ, OPL					282	901
Tom19 [501]	6	job-shop, job, re-scheduling, task, tardiness, activity, resource, make-span, scheduling, machine, transportation	single machine		Java	OZ, OPL			real-world		67	686
TouatBT22 [504]	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	647
Touraivane95 [505]	3	scheduling, order, task			Prolog		crew-scheduling		real-life		308	927
TranB12 [507]	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		171	790
TranDRFWOVB16 [508]	9	resource, activity, re-scheduling, job, order, scheduling, machine, task, job-shop, precedence		cycle	Python	OPL	aircraft				113	732
TranTDB13 [510]	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		159	778
TranVNB17a [512]	5	scheduling, task, order, transportation, machine, activity, resource, setup-time		alternative constraint, cumulative		Cplex	medical, robot		real-world		96	715
TranWDRFOVB16 [513]	9	precedence, job, order, activity, scheduling, job-shop, machine, task	single machine	cumulative, cycle	Python	OPL, Ilog Scheduler	robot, satellite		benchmark		114	733

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ValleMGT03 [516]	8	machine, order, transportation, make-span, resource, job, precedence, task, job-shop, scheduling				Ilog Solver	robot		real-life	edge-finder	269	888
VanczaM01 [521]	15	resource, scheduling, precedence, task, machine, order		disjunctive, cycle		OZ	robot		real-life, real-world		283	902
VerfaillieL01 [522]	15	job, open-shop, order, scheduling, task, job-shop	Open Shop Scheduling Problem	cycle		Cplex, OPL	earth observation, satellite				284	903
Vilim02 [523]	1	scheduling, precedence, sequence dependent setup, batch process, activity, setup-time, resource		cumulative, disjunctive						edge-finding	280	899
Vilim03 [524]	1	scheduling, job, open-shop, order, job-shop		cumulative, disjunctive						not-last, edge-finding	270	889
Vilim04 [525]	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	261	880
Vilim05 [526]	14	scheduling, precedence, preempt, machine, task, job, open-shop, completion-time, activity, order, resource, make-span, job-shop		cumulative, disjunctive	C++				benchmark	not-last	250	869
Vilim09 [527]	15	scheduling, precedence, preempt, job, completion-time, activity, order, resource, job-shop		cumulative, cycle		CPO				energetic reasoning, not-last, edge-finding, not-first	204	823
Vilim09a [528]	15	order, scheduling, resource, completion-time, task, activity, preempt		cycle, cumulative		Ilog Scheduler				edge-finding, not-last, energetic reasoning	205	824
Vilim11 [529]	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	184	803
VilimBC04 [530]	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	262	881
VilimLS15 [532]	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	131	750
WangB20 [538]	8	job, order, machine, task, distributed, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		OZ, Gurobi	aircraft		github		52	671

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
WangB23 [539]	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	633
WatsonB08 [542]	15	job-shop, resource, scheduling, make-span, completion-time, machine, order, cmax, job		disjunctive	C++	Ilog Scheduler			benchmark, real-world		214	833
WessenCS20 [543]	10	make-span, completion-time, precedence, job, scheduling, task, order, job-shop, multi-agent		circuit		Gecode, OZ	robot		real-world		53	672
WinterMMW22 [545]	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	648
Wolf03 [546]	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	271	890
WolfS05 [547]	14	preempt, activity, order, task, completion-time, scheduling, distributed, resource		cumulative		CHIP			real-world	energetic reasoning, not-last, sweep	251	870
WolinskiKG04 [548]	8	resource, precedence, scheduling, machine, order, distributed	SCC	cycle	Java		pipeline				264	883
WuBB05 [549]	1	scheduling, resource, job, make-span, release-date				Ilog Scheduler			benchmark		252	871
YangSS19 [551]	10	resource, completion-time, machine, task, activity, preempt, order, scheduling, lazy clause generation		cumulative, disjunctive	Prolog	Choco Solver, Gecode, CHIP, SICStus, OPL, OR-Tools	rectangle-packing		generated instance	not-last, energetic reasoning, edge-finding	68	687
YoungFS17 [553]	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	97	716
YuraszeckMC23 [555]	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	634
ZhangBB22 [564]	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	649

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ZhangJZL22 [563]	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	650
ZhangLS12 [567]	4	scheduling, order, cmax								time-tabling	172	791
Zhou96 [568]	15	release-date, job-shop, due-date, task, order, scheduling, precedence, completion-time, job, machine		disjunctive	Prolog	Z3				edge-finding	302	921
ZhouGL15 [570]	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		132	751
ZhuS02 [571]	5	activity, scheduling, distributed, resource									281	900
ZibranR11 [572]	4	scheduling, order, activity			Java	OPL, Cplex					185	804
ZibranR11a [573]	10	scheduling, distributed, order, activity, resource				Cplex, OPL				time-tabling	186	805

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	314
Bit-Monnot23 Bit-Monnot23 [87]	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	ARIES CP Opt OR-Tools Mistral	real-world, github, benchmark	1	y		y	-	JSSP OSSP	-	2	357
EfthymiouY23 EfthymiouY23 [165]	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	OR-Tools	benchmark, random instance, generated instance, real-life, industrial instance	3	n		n	-	CHSP	-	3	400
JuvinHHL23 JuvinHHL23 [277]	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	461
JuvinHL23 JuvinHL23 [278]	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	CP Opt Cplex	real-world	0	ref		n	-	Perm FSSP	endBeforeStart noOverlap sameSequence	5	462
KameugneFND23 KameugneFND23 [282]	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	?	benchmark	5	BL PSPlib		n	-	RCPSPs	cumulative	6	465
KimCMLLP23 KimCMLLP23 [291]	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Gurobi OR-Tools	real-world, benchmark, zenodo	0	y		n	-	SCC	alternative noOverlap	7	470
Mehdizadeh-Somarin23 Mehdizadeh-Somarin23 [367]	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	513
PerezGSL23 PerezGSL23 [418]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	9	538
PovedaAA23 PovedaAA23 [428]	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	542
SquillaciPR23 SquillaciPR23 [478]	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Cplex Studio	github, benchmark	2	y		n	-	EOSP	?	11	568
TardivoDFMP23 TardivoDFMP23 [488]	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	573
TasselGS23 TasselGS23 [489]	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	574
WangB23 WangB23 [539]	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	FaCiLe	real-world, random instance	0	(y)		n	[538]	FJS	-	14	601
YuraszeckMC23 YuraszeckMC23 [555]	A competitive constraint programming approach for the group shop scheduling problem	CP Opt	github, benchmark	0	ref		n	-	GSSP	noOverlap endBeforeStart	15	611

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 [21]	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	CP Opt	real-world, benchmark	0	(y)		-	[20]	$HFFm\|tt\|C_{\max}$	endBeforeStart alternative cumulative noOverlap	16	325
BoudreaultSLQ22 BoudreaultSLQ22 [107]	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	369
GeitzGSSW22 GeitzGSSW22 [202]	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	421
HebrardALLCMR22 HebrardALL-CMR22 [238]	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration			0							19	441
JungblutK22 JungblutK22 [276]	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	MiniZinc	benchmark, github, real-world	0	y		y	-			20	460
LiFJZLL22 LiFJZLL22 [329]	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	491
LuoB22 LuoB22 [356]	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	506
OuelletQ22 OuelletQ22 [409]	A MinCumulative Resource Constraint	Choco	github, benchmark, random instance	1	y		y	-		cumulative minCumulative	23	534
OujanaAYB22 OujanaAYB22 [410]	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	CP Opt	benchmark, industrial instance, real-world, real-life	0	n		n	-	HFFS	alternative span noOverlap endBeforeStart	24	535
PopovicCGNC22 PopovicCGNC22 [426]	Scheduling the Equipment Maintenance of an Electric Power Transmission Network Using Constraint Programming	CP Opt		0	n		n	-	TMS	alwaysIn noOverlap	25	541
SvancaraB22 SvancaraB22 [483]	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling		benchmark, real-world	0							26	570
Teppan22 Teppan22 [492]	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	OPL	real-life, benchmark	0	ref		n	-	FJSSP	noOverlap alternative endBeforeStart	27	575
TouatBT22 TouatBT22 [504]	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	581
WinterMMW22 WinterMMW22 [545]	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	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
ZhangBB22 ZhangBB22 [564]	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware		benchmark, generated instance	0							30	612
ZhangJZL22 ZhangJZL22 [563]	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	OP Opt	benchmark	0	ref		n	-	HFSP	alternative endBeforeStart noOverlap cumulative	31	613
AntuoriHHEN21 AntuoriHHEN21 [17]	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	322
ArmstrongGOS21 ArmstrongGOS21 [20]	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	324
ArtiguesHQT21 ArtiguesHQT21 [24]	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms			0							34	No
Astrand0F21 Astrand0F21 [28]	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	329
BenderWS21 BenderWS21 [76]	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	CP Opt		9	y		n	-	MRCPSP	noOverlap alternative	36	351
GeibingerKKMMW21 GeibingerKKMMW21 [198	Physician Scheduling During a Pandemic	MiniZinc	real-world	3	y		n	-		nvalue	37	418
GeibingerMM21 GeibingerMM21 [201]	Constraint Logic Programming for Real-World Test Laboratory Scheduling	clingcon	real-life, github, generated instance, real-world, benchmark	0	y				TLSP RCPSP	disjunctive	38	420
HanenKP21 HanenKP21 [233]	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	439
HillTV21 HillTV21 [254]	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	450
KlankeBYE21 KlankeBYE21 [292]	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	471
KovacsTKSG21 KovacsTKSG21 [306]	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	477
LacknerMMWW21 LacknerMMWW21 [318]	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	486

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 [16]	Leveraging Reinforcement Learning, Constraint Programming and Local Search: A Case Study in Car Manufacturing		random instance, generated instance, gitlab, benchmark, industrial instance	4							44	321
BarzegaranZP20 BarzegaranZP20 [53]	Quality-Of-Control-Aware Scheduling of Communication in TSN-Based Fog Computing Platforms Using Constraint Programming	OR-Tools		5	n		n	-	FCP		45	341
GodetLHS20 GodetLHS20 [210]	Using Approximation within Constraint Programming to Solve the Parallel Machine Scheduling Problem with Additional Unit Resources	MiniZinc Choco Chuffed	github, real-life, benchmark, generated instance	0	JSON		y	-	PMSPAUR	disjunctive cumulative alldifferent enqueueCstr approxCstr	46	427
GroleazNS20 GroleazNS20 [224]	Solving the Group Cumulative Scheduling Problem with CPO and ACO	CP Opt ACO	benchmark, industrial instance	0	-		-	[224]	GCSP	groupCumulative	47	434
GroleazNS20a GroleazNS20a [223]	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	435
Mercier-AubinGQ20 Mercier-AubinGQ20 [372]	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	MiniZinc Chuffed	industrial instance, industrial partner	1	a		a	-		circuit cumulative	49	515
NattafM20 NattafM20 [392]	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Cplex CP Opt	benchmark, industrial instance	7	-		-	[361]	PTC	alternative noOverlap	50	526
TangB20 TangB20 [486]	CP and Hybrid Models for Two-Stage Batching and Scheduling	Cplex CP Opt	real-world	0	n		n	-	2BPHFSP	span alwaysIn	51	572
WangB20 WangB20 [538]	Global Propagation of Transition Cost for Fixed Job Scheduling	FaCiLe	github	0	y		n	-	FJS	-	52	600
WessenCS20 WessenCS20 [543]	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Gecode	real-world	10	n		n	-		circuit alldifferent	53	603
BadicaBIL19 BadicaBIL19 [32]	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	ECLiPSe	github	0	dead		dead	-			54	331
BehrensLM19 BehrensLM19 [68]	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	347
BogaerdtW19 BogaerdtW19 [518]	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	custom Cplex CPO	benchmark	4	n		n	-	Multi Machine Scheduling	noOverlap	56	361
ColT19 ColT19 [136]	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	386
FrimodigS19 FrimodigS19 [185]	Models for Radiation Therapy Patient Scheduling	Mini-Zinc Gecode Cplex	benchmark, real-world	1	n		n	-		cumulative regular bin-packing	58	409
FrohnerTR19 FrohnerTR19 [187]	Casual Employee Scheduling with Constraint Programming and Metaheuristics		benchmark, real-world	0							59	410
GalleguillosKSB19 GalleguillosKSB19 [189]	Constraint Programming-Based Job Dispatching for Modern HPC Applications	OR-Tools		5			y		on-line dispatch		60	412

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 [200]	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling		real-life, generated instance, industrial partner, real-world, benchmark	3							61	419
KucukY19 KucukY19 [313]	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem		benchmark, generated instance	0							62	482
LiuLH19 LiuLH19 [337]	Solving the Talent Scheduling Problem by Parallel Constraint Programming		CSPlib, benchmark	0							63	499
MalapertN19 MalapertN19 [361]	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications		generated instance, benchmark, industrial instance, Roadef	3							64	511
MurinR19 MurinR19 [383]	Scheduling of Mobile Robots Using Constraint Programming	CP Opt Cplex OPL	real-life, benchmark, github	3	y		y		JSPT	endBeforeStart alternative noOverlap	65	522
ParkUJR19 ParkUJR19 [416]	Developing a Production Scheduling System for Modular Factory Using Constraint Programming		real-world	0							66	536
Tom19 Tom19 [501]	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling		real-world	0							67	580
YangSS19 YangSS19 [551]	Time Table Edge Finding with Energy Variables		generated instance	1							68	609
AntunesABDEGGOL18 AntunesABDEGGOL18 [14]	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting		real-world, industrial partner, industry partner	0							69	320
ArbaouiY18 ArbaouiY18 [19]	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming		benchmark	0							70	323
AstrandJZ18 AstrandJZ18 [29]	Fleet Scheduling in Underground Mines Using Constraint Programming			0							71	330
BenediktSMVH18 BenediktSMVH18 [79]	Energy-Aware Production Scheduling with Power-Saving Modes	CPO Gurobi	github, random instance, generated instance	1	y		y	-	Energy Aware Production Scheduling		72	352
CappartTSR18 CappartTSR18 [118]	A Constraint Programming Approach for Solving Patient Transportation Problems		bitbucket, CSPlib, real-life	1							73	374
DemirovicS18 DemirovicS18 [154]	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts		real-world, benchmark	5							74	393
He0GLW18 He0GLW18 [237]	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		75	440
HoYCLLCLC18 HoYCLLCLC18 [255]	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints		real-world	0							76	451
KameugneFGOQ18 KameugneFGOQ18 [281]	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint		benchmark, real-world	0							77	464
Laborie18a Laborie18a [316]	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling		real-life, benchmark, real-world	0							78	485

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
MusliuSS18 MusliuSS18 [386]	Solver Independent Rotating Workforce Scheduling		generated instance, benchmark, real-life	2							79	525
NishikawaSTT18 NishikawaSTT18 [395]	Scheduling of Malleable Fork-Join Tasks with Constraint Programming		real-world, benchmark	0							80	528
NishikawaSTT18a NishikawaSTT18a [396]	Scheduling of Malleable Tasks Based on Constraint Programming		real-world, benchmark, real-life	0							81	529
OuelletQ18 OuelletQ18 [408]	A O(n \log ˆ2 n) Checker and O(nˆ2 \log n) Filtering Algorithm for the Energetic Reasoning		benchmark, Roadef	0							82	533
RiahiNS018 RiahiNS018 [438]	Local Search for Flowshops with Setup Times and Blocking Constraints		real-world, real-life, benchmark	0							83	549
Tesch18 Tesch18 [496]	Improving Energetic Propagations for Cumulative Scheduling		Roadef	0							84	577
BofillCSV17 BofillCSV17 [93]	An Efficient SMT Approach to Solve MRCPSP/max Instances with Tight Constraints on Resources		benchmark	2							85	358
CappartS17 CappartS17 [117]	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	CPO	bitbucket, random instance, real-life	1	y		n	-	Rescheduling Railway Traffic		86	373
CohenHB17 CohenHB17 [134]	(I Can Get) Satisfaction: Preference-Based Scheduling for Concert-Goers at Multi-venue Music Festivals			12							87	385
GelainPRVW17 GelainPRVW17 [203]	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems		CSPlib, real-life, benchmark	2							88	422
GoldwaserS17 GoldwaserS17 [213]	Optimal Torpedo Scheduling	Chuffed Gurobi	instance generator, github, generated instance	4	y		n	-	Torpedo Scheduling		89	428
Hooker17 Hooker17 [262]	Job Sequencing Bounds from Decision Diagrams		benchmark, random instance	0							90	455
KletzanderM17 KletzanderM17 [293]	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem			2							91	472
LiuCGM17 LiuCGM17 [338]	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Chuffed OR-Tools HCSP SA	github	11	n			-	NightSplit		92	497
Madi-WambaLOBM17 Madi-WambaLOBM17 [358]	Green Energy Aware Scheduling Problem in Virtualized Datacenters		real-world	0							93	509
MossigeGSMC17 MossigeGSMC17 [379]	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems		industrial partner, real-world, benchmark, random instance, CSPlib, generated instance	4							94	519
Pralet17 Pralet17 [429]	An Incomplete Constraint-Based System for Scheduling with Renewable Resources		benchmark	1							95	543
TranVNB17a TranVNB17a [512]	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots (Extended Abstract)		real-world	0							96	586
YoungFS17 YoungFS17 [553]	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem		benchmark, github, instance generator	6							97	610

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
BonfiettiZLM16 BonfiettiZLM16 [103]	The Multirate Resource Constraint		generated instance, github, industrial instance, benchmark, real-world	1							98	367
BoothNB16 BoothNB16 [104]	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes		real-world	0							99	368
BridiLBBM16 BridiLBBM16 [111]	DARDIS: Distributed And Randomized DIspatching and Scheduling			0							100	370
CauwelaertDMS16 CauwelaertDMS16 [124]	Efficient Filtering for the Unary Resource with Family-Based Transition Times		real-life, bitbucket, benchmark	2							101	377
FontaineMH16 FontaineMH16 [181]	Parallel Composition of Scheduling Solvers		benchmark	2							102	406
GilesH16 GilesH16 [206]	Solving a Supply-Delivery Scheduling Problem with Constraint Programming			0							103	424
GingrasQ16 GingrasQ16 [207]	Generalizing the Edge-Finder Rule for the Cumulative Constraint		benchmark	0							104	425
HechingH16 HechingH16 [241]	Scheduling Home Hospice Care with Logic-Based Benders Decomposition		real-world	0							105	443
JelinekB16 JelinekB16 [274]	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station		real-life	2							106	459
LimHTB16 LimHTB16 [332]	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control		real-world	4							107	493
LuoVLBM16 LuoVLBM16 [355]	Using Metric Temporal Logic to Specify Scheduling Problems			0							108	507
Madi-WambaB16 Madi-WambaB16 [357]	The TaskIntersection Constraint		real-world, benchmark, random instance, generated instance	3							109	508
SchuttS16 SchuttS16 [458]	Explaining Producer/Consumer Constraints		benchmark	1							110	557
SzerediS16 SzerediS16 [484]	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling		benchmark	2							111	571
Tesch16 Tesch16 [495]	A Nearly Exact Propagation Algorithm for Energetic Reasoning in \mathcal O(n^2 \log n)		Roadef	1							112	576
TranDRFWOVB16 TranDRFWOVB16 [508]	A Hybrid Quantum-Classical Approach to Solving Scheduling Problems			0							113	584
TranWDRFOVB16 TranWDRFOVB16 [513]	Explorations of Quantum-Classical Approaches to Scheduling a Mars Lander Activity Problem		benchmark	0							114	587
BartakV15 BartakV15 [51]	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints		real-world, real-life	0							115	339
BofillGSV15 BofillGSV15 [95]	MaxSAT-Based Scheduling of B2B Meetings		industrial instance	3							116	360
BurtLPS15 BurtLPS15 [114]	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feedrate Constraints: A Mine Planning Case Study		real-world, benchmark, industry partner	5							117	372

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
DejemeppeCS15 DejemeppeCS15 [151]	The Unary Resource with Transition Times		real-world, bitbucket, generated instance, benchmark	4							118	391
EvenSH15 EvenSH15 [171]	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling		real-life, real-world	0							119	404
GayHLS15 GayHLS15 [193]	Conflict Ordering Search for Scheduling Problems		benchmark, bitbucket	0							120	414
GayHS15 GayHS15 [194]	Simple and Scalable Time-Table Filtering for the Cumulative Constraint		bitbucket	2							121	415
GayHS15a GayHS15a [195]	Time-Table Disjunctive Reasoning for the Cumulative Constraint		benchmark, bitbucket, real-world	0							122	416
KreterSS15 KreterSS15 [307]	Modeling and Solving Project Scheduling with Calendars		benchmark	3							123	480
LimBTBB15 LimBTBB15 [333]	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings		benchmark	3							124	492
LombardiBM15 LombardiBM15 [341]	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty		benchmark, real-world	0							125	500
MelgarejoLS15 MelgarejoLS15 [8]	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems		real-world, benchmark	1							126	514
MurphyMB15 MurphyMB15 [384]	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System		real-world	3							127	523
PesantRR15 PesantRR15 [420]	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem			1							128	539
PraletLJ15 PraletLJ15 [430]	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search			0							129	544
SialaAH15 SialaAH15 [468]	Two Clause Learning Approaches for Disjunctive Scheduling		github, benchmark	5							130	562
VilimLS15 VilimLS15 [532]	Failure-Directed Search for Constraint-Based Scheduling		benchmark	8							131	599
ZhouGL15 ZhouGL15 [570]	On complex hybrid flexible flowshop scheduling problems based on constraint programming		real-world	0							132	616
AlesioNBG14 AlesioNBG14 [158]	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing		benchmark	2							133	318
BartoliniBBLM14 BartoliniBBLM14 [52]	Proactive Workload Dispatching on the EURORA Supercomputer			4							134	340
BessiereHMQW14 BessiereHMQW14 [84]	Buffered Resource Constraint: Algorithms and Complexity		benchmark, real-life	0							135	355
BofillEGPSV14 BofillEGPSV14 [94]	Scheduling B2B Meetings		industrial instance	6							136	359
BonfiettiLM14 BonfiettiLM14 [101]	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!		real-world, benchmark	2							137	365
DejemeppeD14 DejemeppeD14 [152]	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling		bitbucket	0							138	392
DerrienP14 DerrienP14 [156]	A New Characterization of Relevant Intervals for Energetic Reasoning		random instance	0							139	394
DerrienPZ14 DerrienPZ14 [157]	A Declarative Paradigm for Robust Cumulative Scheduling		benchmark, random instance, real-world	0							140	395

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
DoulabiRP14 DoulabiRP14 [162]	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling			0							141	398
FriedrichFMRSST14 FriedrichFMRSST14 [184]	Representing Production Scheduling with Constraint Answer Set Programming			0							142	No
GaySS14 GaySS14 [196]	Continuous Casting Scheduling with Constraint Programming		real-life, CSPlib	0							143	417
HoundjiSWD14 HoundjiSWD14 [267]	The StockingCost Constraint		bitbucket, generated instance	0							144	457
KoschB14 KoschB14 [298]	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes		benchmark	0							145	474
LipovetzkyBPS14 LipovetzkyBPS14 [336]	Planning for Mining Operations with Time and Resource Constraints		industrial partner, real-life, industry partner, real-world, benchmark, generated instance	0							146	496
LouieVNB14 LouieVNB14 [352]	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities			0							147	505
BonfiettiLM13 BonfiettiLM13 [100]	De-Cycling Cyclic Scheduling Problems			0							148	364
ChuGNSW13 ChuGNSW13 [129]	On the Complexity of Global Scheduling Constraints under Structural Restrictions			0							149	380
CireCH13 CireCH13 [131]	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	CP Opt Cplex		1	dead		n	-			150	382
GuSS13 GuSS13 [226]	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	151	437
HeinzKB13 HeinzKB13 [244]	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling			0							152	445
KelarevaTK13 KelarevaTK13 [286]	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	MiniZinc CPX G12FD	real-world	5	ref		-	-	LSFRP BPCTOP	alldifferent alldifferentExcept(	153	467
LetortCB13 LetortCB13 [327]	A Synchronized Sweep Algorithm for the *k-dimensional cumulative* Constraint	SICStus Choco	Roadef, benchmark, random instance	2	PSPlib		-	-	RCPSP	cumulative kDimensionalCum	154	490
LombardiM13 LombardiM13 [348]	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling			0							155	504
OuelletQ13 OuelletQ13 [407]	Time-Table Extended-Edge-Finding for the Cumulative Constraint		benchmark	1							156	532
SchuttFS13 SchuttFS13 [452]	Scheduling Optional Tasks with Explanation		benchmark	1							157	554
SchuttFS13a SchuttFS13a [451]	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Mercury G12	benchmark	5	PSPlib AT BL Pack KSD15D PackD		-	-	RCPSP	cumulative	158	555
TranTDB13 TranTDB13 [510]	Hybrid Queueing Theory and Scheduling Models for Dynamic Environments with Sequence-Dependent Setup Times		real-world	0							159	585

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BillautHL12 BillautHL12 [86]	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem		random instance	0							160	356
BonfiettiLBM12 BonfiettiLBM12 [98]	Global Cyclic Cumulative Constraint		benchmark	3							161	363
BonfiettiM12 BonfiettiM12 [102]	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem		industrial instance	0							162	366
GuSW12 GuSW12 [227]	Maximising the Net Present Value of Large Resource-Constrained Projects		benchmark	2							163	438
HeinzB12 HeinzB12 [243]	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling			0							164	444
IfrimOS12 IfrimOS12 [270]	Properties of Energy-Price Forecasts for Scheduling		real-life	1							165	458
LetortBC12 LetortBC12 [326]	A Scalable Sweep Algorithm for the cumulative Constraint		Roadef, benchmark, random instance	2							166	489
RendlPHPR12 RendlPHPR12 [437]	Hybrid Heuristics for Multimodal Homecare Scheduling		real-world, CSPlib, benchmark	2							167	548
SchuttCSW12 SchuttCSW12 [450]	Maximising the Net Present Value for Resource-Constrained Project Scheduling		benchmark	1							168	553
SerraNM12 SerraNM12 [461]	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach		benchmark, real-world	4							169	560
SimoninAHL12 SimoninAHL12 [469]	Scheduling Scientific Experiments on the Rosetta/Philae Mission	MOST Ilog Scheduler		0	n		n	-		cumulative dataTransfer	170	563
TranB12 TranB12 [507]	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups		benchmark	0							171	583
ZhangLS12 ZhangLS12 [567]	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method			0							172	614
BajestaniB11 BajestaniB11 [33]	Scheduling an Aircraft Repair Shop			0							173	332
BonfiettiLBM11 BonfiettiLBM11 [97]	A Constraint Based Approach to Cyclic RCPSP		generated instance, industrial instance, benchmark	3							174	362
ChapadosJR11 ChapadosJR11 [128]	Retail Store Workforce Scheduling by Expected Operating Income Maximization			0							175	379
ClercqPBJ11 ClercqPBJ11 [132]	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource		benchmark	1							176	383
EdisO11 EdisO11 [164]	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach			0							177	399
GrimesH11 GrimesH11 [218]	Models and Strategies for Variants of the Job Shop Scheduling Problem		benchmark	1							178	432
HeinzS11 HeinzS11 [246]	Explanations for the Cumulative Constraint: An Experimental Study		benchmark	1							179	446
HermenierDL11 HermenierDL11 [253]	Bin Repacking Scheduling in Virtualized Datacenters			1							180	449
KameugneFSN11 KameugneFSN11 [283]	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints		benchmark	1							181	466
LahimerLH11 LahimerLH11 [320]	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks		benchmark	2							182	487

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
LombardiBMB11 LombardiBMB11 [342]	Precedence Constraint Posting for Cyclic Scheduling Problems		benchmark, industrial instance, real-life	0							183	501
Vilim11 Vilim11 [529]	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources		benchmark	1							184	597
ZibranR11 ZibranR11 [572]	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach			0							185	618
ZibranR11a ZibranR11a [573]	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring			0							186	619
BertholdHLMS10 BertholdHLMS10 [83]	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling			1							187	354
CobanH10 CobanH10 [133]	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition			0							188	384
Davenport10 Davenport10 [142]	Integrated Maintenance Scheduling for Semiconductor Manufacturing			0							189	389
GrimesH10 GrimesH10 [217]	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach		benchmark	1							190	431
LombardiM10 LombardiM10 [345]	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution		real-world, benchmark	1							191	503
MakMS10 MakMS10 [359]	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems			0							192	510
SchuttW10 SchuttW10 [459]	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints		benchmark	1							193	558
SunLYL10 SunLYL10 [481]	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming			0							194	569
Acuna-AgostMFG09 Acuna-AgostMFG09 [5]	Constraint Programming and Mixed Integer Linear Programming for Rescheduling Trains under Disrupted Operations		Roadef	1							195	316
AronssonBK09 AronssonBK09 [22]	MILP formulations of cumulative constraints for railway scheduling - A comparative study		real-world, real-life	0							196	326
Baptiste09 Baptiste09 [37]	Constraint-Based Schedulers, Do They Really Work?			0							197	333
GrimesHM09 GrimesHM09 [220]	Closing the Open Shop: Contradicting Conventional Wisdom		benchmark	0							198	433
Laborie09 Laborie09 [315]	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems		real-world, benchmark	2							199	484
LombardiM09 LombardiM09 [343]	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations		real-world, instance generator	1							200	502
MonetteDH09 MonetteDH09 [376]	Just-In-Time Scheduling with Constraint Programming		benchmark	0							201	518
SchuttFSW09 SchuttFSW09 [453]	Why Cumulative Decomposition Is Not as Bad as It Sounds		benchmark, real-world	1							202	556
ThiruvadyBME09 ThiruvadyBME09 [497]	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling			0							203	578
Vilim09 Vilim09 [527]	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)${\mathcal O}(kn {\rm log} n)			0							204	595
Vilim09a Vilim09a [528]	Max Energy Filtering Algorithm for Discrete Cumulative Resources			1							205	596

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
BarlattCG08 BarlattCG08 [44]	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems		real-world	1							206	336
BeldiceanuCP08 BeldiceanuCP08 [73]	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles		benchmark	0							207	349
DoomsH08 DoomsH08 [161]	Gap Reduction Techniques for Online Stochastic Project Scheduling			0							208	397
HentenryckM08 HentenryckM08 [252]	The Steel Mill Slab Design Problem Revisited		CSPlib	0							209	448
LauLN08 LauLN08 [322]	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)		benchmark, real-world	0							210	488
MouraSCL08 MouraSCL08 [381]	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network			0							211	520
MouraSCL08a MouraSCL08a [380]	Heuristics and Constraint Programming Hybridizations for a Real Pipeline Planning and Scheduling Problem		real-world, benchmark	0							212	521
PoderB08 PoderB08 [422]	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production			0							213	540
WatsonB08 WatsonB08 [542]	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem		benchmark, real-world	1							214	602
AkkerDH07 AkkerDH07 [517]	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems			0							215	317
BeldiceanuP07 BeldiceanuP07 [74]	A Continuous Multi-resources *cumulative* Constraint with Positive-Negative Resource Consumption-Production			0							216	350
DavenportKRSH07 DavenportKRSH07 [143]	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing			0							217	390
GarganiR07 GarganiR07 [190]	An Efficient Model and Strategy for the Steel Mill Slab Design Problem		real-life, CSPlib	0							218	413
HoeveGSL07 HoeveGSL07 [520]	Optimal Multi-Agent Scheduling with Constraint Programming		benchmark	0							219	452
KeriK07 KeriK07 [288]	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method			2							220	468
KovacsB07 KovacsB07 [299]	A Global Constraint for Total Weighted Completion Time		benchmark	0							221	475
KrogtLPHJ07 KrogtLPHJ07 [519]	Scheduling for Cellular Manufacturing		real-world	0							222	481
Limtanyakul07 Limtanyakul07 [334]	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming		real-life	0							223	495
MonetteDD07 MonetteDD07 [375]	A Position-Based Propagator for the Open-Shop Problem		benchmark	0							224	517
NethercoteSBBDT07 NethercoteSBBDT07 [393]	MiniZinc: Towards a Standard CP Modelling Language		CSPlib, benchmark	1							225	527
RossiTHP07 RossiTHP07 [442]	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost			0							226	551
Beck06 Beck06 [55]	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling		benchmark	0							227	342
BeniniBGM06 BeniniBGM06 [80]	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs		real-life	0							228	353

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GomesHS06 GomesHS06 [216]	Constraint Programming for Distributed Planning and Scheduling		real-life	0							229	430
KhemmoudjPB06 KhemmoudjPB06 [290]	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages		real-world	0							230	469
KovacsV06 KovacsV06 [305]	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP		industrial partner, benchmark, generated instance	0							231	479
LiuJ06 LiuJ06 [339]	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming			0							232	498
QuSN06 QuSN06 [435]	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices			0							233	546
AbrilSB05 AbrilSB05 [4]	Distributed Constraints for Large-Scale Scheduling Problems			0							234	315
ArtiouchineB05 ArtiouchineB05 [26]	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs		generated instance, random instance	0							235	328
BeckW05 BeckW05 [64]	Proactive Algorithms for Scheduling with Probabilistic Durations			0							236	346
CarchraeBF05 CarchraeBF05 [119]	Methods to Learn Abstract Scheduling Models			0							237	375
ChuX05 ChuX05 [130]	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems			0							238	381
DilkinaDH05 DilkinaDH05 [159]	Extending Systematic Local Search for Job Shop Scheduling Problems			0							239	396
FortinZDF05 FortinZDF05 [182]	Interval Analysis in Scheduling			0							240	407
FrankK05 FrankK05 [183]	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations		benchmark	0							241	408
Geske05 Geske05 [205]	Railway Scheduling with Declarative Constraint Programming		real-life	0							242	423
GodardLN05 GodardLN05 [208]	Randomized Large Neighborhood Search for Cumulative Scheduling		benchmark	0							243	426
HebrardTW05 HebrardTW05 [240]	Computing Super-Schedules			0							244	442
Hooker05a Hooker05a [259]	Planning and Scheduling to Minimize Tardiness			0							245	454
KovacsEKV05 KovacsEKV05 [302]	Proterv-II: An Integrated Production Planning and Scheduling System		real-life	0							246	476
MoffittPP05 MoffittPP05 [373]	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints			0							247	516
QuirogaZH05 QuirogaZH05 [436]	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS			0							248	547
SchuttWS05 SchuttWS05 [460]	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$		benchmark	0							249	559
Vilim05 Vilim05 [526]	Computing Explanations for the Unary Resource Constraint		benchmark	4							250	594
WolfS05 WolfS05 [547]	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application		real-world	0							251	606
WuBB05 WuBB05 [549]	Scheduling with Uncertain Start Dates		benchmark	0							252	608

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ArtiguesBF04 ArtiguesBF04 [23]	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times		benchmark	0							253	327
BeckW04 BeckW04 [63]	Job Shop Scheduling with Probabilistic Durations			0							254	345
HentenryckM04 HentenryckM04 [251]	Scheduling Abstractions for Local Search		benchmark	0							255	447
Hooker04 Hooker04 [257]	A Hybrid Method for Planning and Scheduling		random instance	0							256	453
KovacsV04 KovacsV04 [304]	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling		industrial partner, benchmark, real-life	0							257	478
LimRX04 LimRX04 [331]	Solving the Crane Scheduling Problem Using Intelligent Search Schemes		generated instance	0							258	494
MaraveliasG04 MaraveliasG04 [364]	Using MILP and CP for the Scheduling of Batch Chemical Processes			0							259	512
Sadykov04 Sadykov04 [445]	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem			0							260	552
Vilim04 Vilim04 [525]	O(n log n) Filtering Algorithms for Unary Resource Constraint		benchmark	1							261	593
VilimBC04 VilimBC04 [530]	Unary Resource Constraint with Optional Activities		benchmark, real-life	0							262	598
VillaverdeP04 VillaverdeP04 [533]	An Investigation of Scheduling in Distributed Constraint Logic Programming			0							263	No
WolinskiKG04 WolinskiKG04 [548]	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures			0							264	607
BeckPS03 BeckPS03 [61]	Vehicle Routing and Job Shop Scheduling: What's the Difference?		benchmark, real-world	0							265	344
DannaP03 DannaP03 [140]	Structured vs. Unstructured Large Neighborhood Search: A Case Study on Job-Shop Scheduling Problems with Earliness and Tardiness Costs		benchmark	0							266	388
Kumar03 Kumar03 [312]	Incremental Computation of Resource-Envelopes in Producer-Consumer Models			0							267	483
OddiPCC03 OddiPCC03 [405]	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem		benchmark	0							268	531
ValleMGT03 ValleMGT03 [516]	On Selecting and Scheduling Assembly Plans Using Constraint Programming		real-life	0							269	588
Vilim03 Vilim03 [524]	Computing Explanations for Global Scheduling Constraints			0							270	592
Wolf03 Wolf03 [546]	Pruning while Sweeping over Task Intervals		benchmark	0							271	605
Bartak02 Bartak02 [46]	Visopt ShopFloor: On the Edge of Planning and Scheduling		real-life	0							272	337
Bartak02a Bartak02a [45]	Visopt ShopFloor: Going Beyond Traditional Scheduling		benchmark, real-life	0							273	338
BeldiceanuC02 BeldiceanuC02 [71]	A New Multi-resource cumulatives Constraint with Negative Heights		real-life, random instance, benchmark	0							274	348
ElkhyariGJ02 ElkhyariGJ02 [167]	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems			0							275	401
ElkhyariGJ02a ElkhyariGJ02a [168]	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools		benchmark, real-life	0							276	402

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
HookerY02 HookerY02 [266]	A Relaxation of the Cumulative Constraint			0							277	456
KamarainenS02 KamarainenS02 [279]	Local Probing Applied to Scheduling		real-world, benchmark	2							278	463
Muscettola02 Muscettola02 [385]	Computing the Envelope for Stepwise-Constant Resource Allocations			0							279	524
Vilim02 Vilim02 [523]	Batch Processing with Sequence Dependent Setup Times			0							280	591
ZhuS02 ZhuS02 [571]	A Meeting Scheduling System Based on Open Constraint Programming			0							281	617
Thorsteinsson01 Thorsteinsson01 [499]	Branch-and-Check: A Hybrid Framework Integrating Mixed Integer Programming and Constraint Logic Programming			0							282	579
VanczaM01 VanczaM01 [521]	A Constraint Engine for Manufacturing Process Planning		real-life, real-world	0							283	589
VerfaillieL01 VerfaillieL01 [522]	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View			0							284	590
AngelsmarkJ00 AngelsmarkJ00 [13]	Some Observations on Durations, Scheduling and Allen's Algebra			0							285	319
FocacciLN00 FocacciLN00 [180]	Solving Scheduling Problems with Setup Times and Alternative Resources		real-world	0							286	405
KorbaaYG99 KorbaaYG99 [296]	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming			0							287	473
Simonis99 Simonis99 [473]	Building Industrial Applications with Constraint Programming		benchmark, real-world, real-life	0							288	566
CestaOS98 CestaOS98 [127]	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints			0							289	378
FrostD98 FrostD98 [188]	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units			0							290	411
GruianK98 GruianK98 [225]	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming		benchmark	0							291	436
PembertonG98 PembertonG98 [417]	A constraint-based approach to satellite scheduling			0							292	537
RodosekW98 RodosekW98 [439]	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems		benchmark	0							293	550
Shaw98 Shaw98 [463]	Using Constraint Programming and Local Search Methods to Solve Vehicle Routing Problems		benchmark	0							294	561
BaptisteP97 BaptisteP97 [40]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems		benchmark	0							295	335
BeckDF97 BeckDF97 [57]	Five Pitfalls of Empirical Scheduling Research		benchmark, real-world	0							296	343
BoucherBVBL97 BoucherBVBL97 [106]	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Schedulingt Problem			0							297	No
Caseau97 Caseau97 [123]	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel		benchmark	0							298	376
PapeB97 PapeB97 [414]	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling			0							299	No

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
BrusoniCLMMT96 BrusoniCLMMT96 [113]	Resource-Based vs. Task-Based Approaches for Scheduling Problems			0							300	371
Colombani96 Colombani96 [138]	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem			0							301	387
Zhou96 Zhou96 [568]	A Constraint Program for Solving the Job-Shop Problem			0							302	615
Goltz95 Goltz95 [215]	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling		benchmark	0							303	429
Puget95 Puget95 [432]	Applications of Constraint Programming		benchmark	0							304	545
Simonis95 Simonis95 [472]	The CHIP System and Its Applications			0							305	564
Simonis95a Simonis95a [471]	Application Development with the CHIP System		real-life, benchmark	0							306	565
SimonisC95 SimonisC95 [476]	Modelling Producer/Consumer Constraints		real-life	0							307	567
Touraivane95 Touraivane95 [505]	Constraint Programming and Industrial Applications		real-life	0							308	582
JourdanFRD94 JourdanFRD94 [275]	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming			0							309	No
NuijtenA94 NuijtenA94 [403]	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling			0							310	530
Wallace94 Wallace94 [535]	Applying Constraints for Scheduling			0							311	No
BaptisteLV92 BaptisteLV92 [43]	Hoist scheduling problem: an approach based on constraint logic programming			0							312	334
ErtlK91 ErtlK91 [169]	Optimal Instruction Scheduling using Constraint Logic Programming		real-world, benchmark	0							313	403

3 Journal Articles

3.1 Articles from bibtex

Table 5: Works from bibtex (Total 229)

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	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	Yes	[431]	2024	Results in Control and Optimization	17	0	0	1318	1384
abs-2402-00459 abs-2402-00459	S. Nguyen, Dhananjay R. Thiruvady, Y. Sun, M. Zhang	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	Yes	[394]	2024	CoRR	21	0	0	1383	1385
AbreuNP23 AbreuNP23	Levi Ribeiro de Abreu, Marcelo Seido Nagano, Bruno A. Prata	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	Yes	[146]	2023	Int. J. Prod. Res.	20	1	47	1165	1386
AbreuPNF23 AbreuPNF23	Levi R. Abreu, Bruno A. Prata, Marcelo S. Nagano, Jose M. Framinan	A constraint programming-based iterated greedy algorithm for the open shop with sequence-dependent processing times and makespan minimization	No	[3]	2023	Computers Operations Research	1	0	46	No	1387
AkramNHRSA23 AkramNHRSA23	Bilal Omar Akram, Nor Kamariah Noordin, F. Hashim, Mohd Fadlee A. Rasid, Mustafa Ismael Salman, Abdulrahman M. Abdulghani	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming	Yes	[9]	2023	IEEE Access	16	0	0	1168	1388
AlfieriGPS23 AlfieriGPS23	A. Alfieri, M. Garraffa, E. Pastore, F. Salassa	Permutation flowshop problems minimizing core waiting time and core idle time	Yes	[11]	2023	Computers and Industrial Engineering	13	0	37	1169	1389
Caballero23 Caballero23	Jordi Coll Caballero	Scheduling through logic-based tools	Yes	[115]	2023	Constraints An Int. J.	1	0	0	1209	1390
CzerniachowskaWZ23 CzerniachowskaWZ23	K. Czerniachowska, R. Wichniarek, K. Żywicki	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations	Yes	[139]	2023	Advances in Science and Technology Research Journal	14	0	0	1217	1391
GurPAE23 GurPAE23	S. Gür, M. Pinarbasi, Haci Mehmet Alakas, T. Eren	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Yes	[228]	2023	Central Eur. J. Oper. Res.	25	1	40	1239	1392
IsikYA23 IsikYA23	Eyüp Ensar Isik, Seyda Topaloglu Yildiz, Özge Satir Akpunar	Constraint programming models for the hybrid flow shop scheduling problem and its extensions	Yes	[271]	2023	Soft Comput.	28	0	127	1258	1393
LacknerMMWW23 LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Exact methods for the Oven Scheduling Problem	Yes	[319]	2023	Constraints An Int. J.	42	0	32	1277	1394
MontemanniD23 MontemanniD23	R. Montemanni, M. Dell'Amico	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	Yes	[378]	2023	Algorithms	13	2	18	1296	1395
MontemanniD23a MontemanniD23a	R. Montemanni, M. Dell'Amico	Constraint programming models for the parallel drone scheduling vehicle routing problem	Yes	[377]	2023	EURO J. Comput. Optim.	20	0	14	1297	1396
NaderiRR23 NaderiRR23	B. Naderi, R. Ruiz, V. Roshanaei	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook	Yes	[388]	2023	INFORMS Journal on Computing	27	2	50	1300	1397
ShaikhK23 ShaikhK23	Aftab Ahmed Shaikh, Abdullah Ayub Khan	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	Yes	[462]	2023	Int. J. Electron. Secur. Digit. Forensics	12	0	0	1331	1398
YuraszeckMCCR23 YuraszeckMCCR23	F. Yuraszeck, E. Montero, D. Canut-de-Bon, N. Cuneo, M. Rojel	A Constraint Programming Formulation of the Multi-Mode Resource-Constrained Project Scheduling Problem for the Flexible Job Shop Scheduling Problem	Yes	[557]	2023	IEEE Access	11	0	0	1362	1399
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	[249]	2023	CoRR	42	0	0	1380	1400
abs-2306-05747 abs-2306-05747	P. Tassel, M. Gebser, K. Schekotihin	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	Yes	[490]	2023	CoRR	9	0	0	1381	1401
abs-2312-13682 abs-2312-13682	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended	Yes	[419]	2023	CoRR	20	0	0	1382	1402

Table 5: Works from bibtex (Total 229)

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	[145]	2022	Comput. Ind. Eng.	20	10	56	1164	1403
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	[108]	2022	Int. J. Prod. Res.	19	4	44	1206	1404
CampeauG22 CampeauG22	L. Campeau, M. Gamache	Short- and medium-term optimization of underground mine planning using constraint programming	Yes	[116]	2022	Constraints An Int. J.	18	0	22	1210	1405
ColT22 ColT22	Giacomo Da Col, Erich Christian Teppan	Industrial-size job shop scheduling with constraint programming	Yes	[137]	2022	Operations Research Perspectives	19	0	0	1216	1406
FarsiTM22 FarsiTM22	A. Farsi, S. Ali Torabi, M. Mokhtarzadeh	Integrated surgery scheduling by constraint programming and meta-heuristics	Yes	[177]	2022	International Journal of Management Science and Engineering Management	14	0	0	1228	1407
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	[178]	2022	Omega	null	0	0	No	1408
FetgoD22 FetgoD22	Sévérine Betmbe Fetgo, Clémentin Tayou Djamégni	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited	Yes	[179]	2022	Oper. Res. Forum	32	0	20	1229	1409
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	[248]	2022	Comput. Ind. Eng.	16	5	25	1248	1410
MullerMKP22 MullerMKP22	D. Müller, Marcus Gerhard Müller, D. Kress, E. Pesch	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning	Yes	[382]	2022	Eur. J. Oper. Res.	18	17	59	1298	1411
NaderiBZ22 NaderiBZ22	B. Naderi, Mehmet A. Begen, G. Zhang	Integrated Order Acceptance and Resource Decisions Under Uncertainty: Robust and Stochastic Approaches	Yes	[387]	2022	SSRN Electronic Journal	29	0	44	1299	1412
PohlAK22 PohlAK22	M. Pohl, C. Artigues, R. Kolisch	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach	Yes	[424]	2022	Eur. J. Oper. Res.	16	4	31	1315	1413
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	[464]	2022	Int. J. Prod. Res.	18	2	45	No	1414
SubulanC22 SubulanC22	K. Subulan, G. Çakir	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem	Yes	[479]	2022	Soft Comput.	38	5	86	1338	1415
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	[554]	2022	Int. J. Prod. Res.	18	20	58	1361	1416
YuraszeckMPV22 YuraszeckMPV22	F. Yuraszeck, G. Mejía, J. Pereira, M. Vilà	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem	Yes	[556]	2022	Mathematics	26	0	0	1363	1417
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	[480]	2022	CoRR	17	0	0	1379	1418
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	1162	1419
AbreuAPNM21 AbreuAPNM21	Levi Ribeiro de Abreu, Kennedy A. G. Araújo, Bruno de Athayde Prata, Marcelo Seido Nagano, J. V. Moccellin	A new variable neighbourhood search with a constraint programming search strategy for the open shop scheduling problem with operation repetitions	Yes	[144]	2021	Engineering Optimization	21	0	0	1163	1420

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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	[66]	2021	Journal Européen des Systèmes Automatisés	7	0	0	1189	1421
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	[176]	2021	Comput. Oper. Res.	15	18	57	1227	1422
HamPK21 HamPK21	A. Ham, M. Park, Kyung Min Kim	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming	Yes	[231]	2021	Mathematical Problems in Engineering	12	0	0	1243	1423
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	[268]	2021	J. Sched.	22	0	37	1257	1424
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	[294]	2021	Constraints An Int. J.	51	2	52	1265	1425
PandeyS21a PandeyS21a	V. Pandey, P. Saini	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization	Yes	[412]	2021	J. Supercomput.	29	3	32	1312	1426
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	[433]	2021	IEEE Trans Autom. Sci. Eng.	12	12	30	1320	1427
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[534]	2021	Comput. Ind. Eng.	14	7	22	1354	1428
ZhangYW21 ZhangYW21	L. Zhang, C. Yu, T. N. Wong	A graph-based constraint programming approach for the integrated process planning and scheduling problem	Yes	[565]	2021	Comput. Oper. Res.	10	6	35	1369	1429
abs-2102-08778 abs-2102-08778	Giacomo Da Col, E. Teppan	Large-Scale Benchmarks for the Job Shop Scheduling Problem	Yes	[135]	2021	CoRR	10	0	0	1378	1430
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	1431
AntunesABDEGGOL20 AntunesABDEGGOL20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[15]	2020	Int. J. Artif. Intell. Tools	31	0	16	1170	1432
AstrandJZ20 AstrandJZ20	M. Åstrand, M. Johansson, A. Zanarini	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search	Yes	[30]	2020	Comput. Oper. Res.	13	16	24	1173	1433
BadicaBI20 BadicaBI20	A. Badica, C. Badica, M. Ivanovic	Block structured scheduling using constraint logic programming	Yes	[31]	2020	AI Commun.	17	2	28	1174	1434
BenediktMH20 BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	Yes	[78]	2020	Constraints An Int. J.	19	1	18	1195	1435
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	[126]	2020	Journal of Scheduling	19	2	21	1214	1436
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	[175]	2020	International Journal of Applied Management Science	18	0	0	1226	1437
LunardiBLRV20 LunardiBLRV20	Willian T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem	Yes	[353]	2020	Comput. Oper. Res.	20	30	18	1288	1438

Table 5: Works from bibtex (Total 229)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[368]	2020	Eur. J. Oper. Res.	13	24	45	1292	1439
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	[370]	2020	Comput. Ind. Eng.	13	100	62	1293	1440
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	[374]	2020	Int. J. Comput. Integr. Manuf.	14	25	32	1295	1441
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	[425]	2020	Int. J. Prod. Res.	18	8	23	1316	1442
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	[434]	2020	Eur. J. Oper. Res.	18	27	30	1319	1443
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	[444]	2020	Oper. Res. Forum	33	2	38	1324	1444
WallaceY20 WallaceY20	M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem	Yes	[537]	2020	Constraints An Int. J.	19	5	18	1356	1445
ZarandiASC20 ZarandiASC20	Mohammad Hossein Fazel Zarandi, Ali Akbar Sadat Asl, S. Sotudian, O. Castillo	A state of the art review of intelligent scheduling	Yes	[560]	2020	Artif. Intell. Rev.	93	55	445	1364	1446
ZouZ20 ZouZ20	X. Zou, L. Zhang	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic	Yes	[574]	2020	Automation in Construction	10	0	0	1371	1447
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	[170]	2019	Comput. Chem. Eng.	10	17	18	1222	1448
GurEA19 GurEA19	Şeyda Gür, T. Eren, Hacı Mehmet Alakaş	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study	Yes	[575]	2019	Mathematics	24	0	0	1238	1449
NishikawaSTT19 NishikawaSTT19	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	A Constraint Programming Approach to Scheduling of Malleable Tasks	Yes	[397]	2019	Int. J. Netw. Comput.	16	0	0	1303	1450
Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[399]	2019	Comput. Ind. Eng.	13	30	29	1305	1451
WariZ19 WariZ19	E. Wari, W. Zhu	A Constraint Programming model for food processing industry: a case for an ice cream processing facility	No	[541]	2019	International Journal of Production Research	null	11	42	No	1452
WikarekS19 WikarekS19	J. Wikarek, P. Sitek	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems	Yes	[544]	2019	Vietnam. J. Comput. Sci.	22	0	11	1358	1453
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	[552]	2019	Operations research for health care	11	0	0	1360	1454
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	[69]	2019	CoRR	8	0	0	1374	1455
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	1375	1456
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	[236]	2019	CoRR	62	0	0	1376	1457

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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	[199]	2019	CoRR	16	0	0	1377	1458
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[38]	2018	Discret. Appl. Math.	10	3	13	1178	1459
BorghesiBLMB18 BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[105]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1205	1460
CauwelaertLS18 CauwelaertLS18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[125]	2018	Constraints An Int. J.	36	2	39	1215	1461
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	[173]	2018	Constraints An Int. J.	22	2	20	1224	1462
GedikKEK18 GedikKEK18	R. Gedik, D. Kalathia, G. Egilmez, E. Kirac	A constraint programming approach for solving unrelated parallel machine scheduling problem	Yes	[197]	2018	Comput. Ind. Eng.	11	43	22	1232	1463
GokgurHO18 GokgurHO18	B. Gökgür, B. Hnich, S. Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	Yes	[212]	2018	Int. J. Prod. Res.	17	31	43	1234	1464
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[214]	2018	J. Artif. Intell. Res.	32	8	0	1235	1465
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	[230]	2018	Transportation Research Part C: Emerging Technologies	14	0	0	1241	1466
HookerH18 HookerH18	John N. Hooker, Willem Jan van Hoeve	Constraint programming and operations research	Yes	[265]	2018	Constraints An Int. J.	24	12	189	1255	1467
KreterSSZ18 KreterSSZ18	S. Kreter, A. Schutt, Peter J. Stuckey, J. Zimmermann	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems	Yes	[309]	2018	Eur. J. Oper. Res.	15	25	31	1272	1468
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	[317]	2018	Constraints An Int. J.	41	148	35	1276	1469
PourDERB18 PourDERB18	Shahrzad M. Pour, John H. Drake, Lena Secher Ejlertsen, Kourosh Marjani Rasmussen, Edmund K. Burke	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem	Yes	[427]	2018	Eur. J. Oper. Res.	12	41	13	1317	1470
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	[465]	2018	IEEE Trans. Syst. Man Cybern. Syst.	16	9	31	1332	1471
TangLWSK18 TangLWSK18	Y. Tang, R. Liu, F. Wang, Q. Sun, Amr A. Kandil	Scheduling Optimization of Linear Schedule with Constraint Programming	Yes	[487]	2018	Comput. Aided Civ. Infrastructure Eng.	28	24	76	1341	1472
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	[509]	2018	J. Sched.	17	8	26	1349	1473
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	[566]	2018	IEEE Trans. Engineering Management	18	49	28	1368	1474
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[308]	2017	Constraints An Int. J.	31	15	20	1271	1475
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[391]	2017	Constraints An Int. J.	18	5	10	1302	1476
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	[511]	2017	J. Artif. Intell. Res.	68	12	0	1350	1477

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BlomPS16 BlomPS16	Michelle L. Blom, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods	Yes	[91]	2016	Manag. Sci.	26	20	36	1201	1478
Bonfietti16 Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	Yes	[96]	2016	Intelligenza Artificiale	13	0	19	1203	1479
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[110]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1207	1480
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	[163]	2016	INFORMS J. Comput.	17	56	28	1221	1481
HamC16 HamC16	Andy M. Ham, E. Cakici	Flexible job shop scheduling problem with parallel batch processing machines: MIP and CP approaches	Yes	[232]	2016	Computers Industrial Engineering	6	50	26	1242	1482
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	[239]	2016	Discret. Appl. Math.	10	9	8	1246	1483
KuB16 KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	Yes	[310]	2016	Comput. Oper. Res.	9	119	17	1273	1484
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	[398]	2016	Comput. Chem. Eng.	17	18	31	1304	1485
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	Yes	[506]	2016	INFORMS J. Comput.	13	72	28	1348	1486
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	[559]	2016	J. Intell. Manuf.	17	28	14	1365	1487
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	[35]	2015	J. Sched.	16	17	59	1176	1488
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[172]	2015	CoRR	16	0	0	1223	1489
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	[211]	2015	Eur. J. Oper. Res.	12	48	4	1233	1490
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	Yes	[219]	2015	INFORMS J. Comput.	17	12	41	1236	1491
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[280]	2015	Constraints An Int. J.	2	0	0	1261	1492
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[328]	2015	Constraints An Int. J.	52	2	14	1279	1493
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[390]	2015	Constraints An Int. J.	21	14	13	1301	1494
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[466]	2015	Constraints An Int. J.	2	4	0	1333	1495
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[470]	2015	Constraints An Int. J.	23	4	5	1334	1496
WangMD15 WangMD15	T. Wang, N. Meskens, D. Duvivier	Scheduling operating theatres: Mixed integer programming vs. constraint programming	Yes	[540]	2015	Eur. J. Oper. Res.	13	36	33	1357	1497
BlomBPS14 BlomBPS14	Michelle L. Blom, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines	Yes	[90]	2014	INFORMS J. Comput.	19	15	47	1200	1498
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[99]	2014	Artif. Intell.	28	8	15	1204	1499
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[221]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1237	1500
KameugneFSN14 KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[284]	2014	Constraints An Int. J.	27	6	10	1262	1501

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NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[402]	2014	Expert Syst. Appl.	14	35	26	1308	1502
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[494]	2014	J. Artif. Intell. Res.	38	12	0	1343	1503
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	[498]	2014	J. Heuristics	34	19	18	1344	1504
BajestaniB13 BajestaniB13	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources	Yes	[34]	2013	J. Artif. Intell. Res.	36	14	0	1175	1505
BegB13 BegB13	Mirza Omer Beg, Peter van Beek	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures	Yes	[67]	2013	ACM Trans. Embed. Comput. Syst.	23	1	28	1190	1506
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[247]	2013	Constraints An Int. J.	36	7	31	1249	1507
OzturkTHO13 OzturkTHO13	C. Öztürk, S. Tunali, B. Hnich, M. Arslan Ornek	Balancing and scheduling of flexible mixed model assembly lines	Yes	[411]	2013	Constraints An Int. J.	36	31	44	1311	1508
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[456]	2013	J. Sched.	17	43	23	1330	1509
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[245]	2012	Constraints An Int. J.	12	10	9	1250	1510
LimtanyakulS12 LimtanyakulS12	K. Limtanyakul, U. Schwiegelshohn	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Yes	[335]	2012	Constraints An Int. J.	32	4	16	1281	1511
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[347]	2012	Constraints An Int. J.	35	39	68	1283	1512
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[346]	2012	Artif. Intell.	10	3	13	1284	1513
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	[401]	2012	Comput. Chem. Eng.	17	17	15	1307	1514
TerekhovDOB12 TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	Yes	[493]	2012	Comput. Ind. Eng.	15	8	48	1342	1515
BandaSC11 BandaSC11	Maria Garcia de la Banda, Peter J. Stuckey, G. Chu	Solving Talent Scheduling with Dynamic Programming	Yes	[148]	2011	INFORMS J. Comput.	18	24	17	1177	1516
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[49]	2011	Constraints An Int. J.	5	17	3	1181	1517
BeckFW11 BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	Yes	[58]	2011	INFORMS J. Comput.	14	43	23	1186	1518
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the *cumulative* constraint in the context of non-overlapping rectangles	Yes	[72]	2011	Ann. Oper. Res.	24	8	8	1192	1519
BeniniLMR11 BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[81]	2011	Ann. Oper. Res.	27	18	16	1196	1520
HachemiGR11 HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[229]	2011	Ann. Oper. Res.	16	32	19	1240	1521
HeckmanB11 HeckmanB11	I. Heckman, J. Christopher Beck	Understanding the behavior of Solution-Guided Search for job-shop scheduling	Yes	[242]	2011	J. Sched.	20	0	22	1247	1522
KelbelH11 KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[287]	2011	J. Intell. Manuf.	10	12	14	1263	1523
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[301]	2011	Constraints An Int. J.	24	4	26	1269	1524
KovacsK11 KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[303]	2011	Constraints An Int. J.	24	3	24	1270	1525

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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	[448]	2011	Constraints An Int. J.	23	14	5	1327	1526
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[455]	2011	Constraints An Int. J.	33	57	23	1329	1527
TopalogluO11 TopalogluO11	S. Topaloglu, I. Ozkarahan	A constraint programming-based solution approach for medical resident scheduling problems	Yes	[502]	2011	Comput. Oper. Res.	10	46	24	1346	1528
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	[514]	2011	Comput. Ind. Eng.	7	11	17	1351	1529
BartakCS10 BartakCS10	R. Barták, O. Cepek, P. Surynek	Discovering implied constraints in precedence graphs with alternatives	Yes	[48]	2010	Ann. Oper. Res.	31	2	9	1180	1530
BartakSR10 BartakSR10	R. Barták, Miguel A. Salido, F. Rossi	New trends in constraint satisfaction, planning, and scheduling: a survey	Yes	[50]	2010	Knowl. Eng. Rev.	31	28	47	1182	1531
HartmannB10 HartmannB10	S. Hartmann, D. Briskorn	A survey of variants and extensions of the resource-constrained project scheduling problem	Yes	[235]	2010	European Journal of Operational Research	14	577	177	1245	1532
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[344]	2010	Artif. Intell.	30	8	24	1282	1533
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	[349]	2010	Constraints An Int. J.	39	31	18	1285	1534
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[400]	2010	Comput. Chem. Eng.	20	48	19	1306	1535
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	[562]	2010	Eng. Appl. Artif. Intell.	20	33	28	1367	1536
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	[454]	2010	CoRR	37	0	0	1373	1537
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[85]	2009	J. Sched.	30	58	20	1198	1538
BocewiczBB09 BocewiczBB09	G. Bocewicz, I. Bach, Zbigniew Antoni Banaszak	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling	Yes	[92]	2009	Int. J. Intell. Inf. Database Syst.	19	0	0	1202	1539
GarridoAO09 GarridoAO09	A. Garrido, M. Arangú, E. Onaindia	A constraint programming formulation for planning: from plan scheduling to plan generation	Yes	[191]	2009	J. Sched.	30	5	14	1230	1540
Jans09 Jans09	R. Jans	Solving Lot-Sizing Problems on Parallel Identical Machines Using Symmetry-Breaking Constraints	Yes	[273]	2009	INFORMS Journal on Computing	24	59	73	1260	1541
OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[406]	2009	Constraints	35	127	15	1310	1542
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	[443]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	9	27	1323	1543
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	Yes	[550]	2009	Comput. Oper. Res.	9	42	5	1359	1544
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[421]	2009	CoRR	12	0	0	1372	1545
GarridoOS08 GarridoOS08	A. Garrido, E. Onaindia, Óscar Sapena	Planning and scheduling in an e-learning environment. A constraint-programming-based approach	Yes	[192]	2008	Eng. Appl. Artif. Intell.	11	22	7	1231	1546
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[300]	2008	Eng. Appl. Artif. Intell.	7	5	14	1268	1547
LiessM08 LiessM08	O. Liess, P. Michelon	A constraint programming approach for the resource-constrained project scheduling problem	Yes	[330]	2008	Ann. Oper. Res.	12	22	14	1280	1548
MalikMB08 MalikMB08	Abid M. Malik, J. McInnes, Peter van Beek	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming	Yes	[363]	2008	Int. J. Artif. Intell. Tools	18	15	8	1289	1549

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MercierH08 MercierH08	L. Mercier, Pascal Van Hentenryck	Edge Finding for Cumulative Scheduling	Yes	[371]	2008	INFORMS Journal on Computing	21	32	5	1294	1550
Beck07 Beck07	J. Christopher Beck	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling	Yes	[56]	2007	J. Artif. Intell. Res.	29	34	0	1183	1551
BeckW07 BeckW07	J. Christopher Beck, N. Wilson	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations	Yes	[65]	2007	J. Artif. Intell. Res.	50	27	0	1188	1552
Hooker07 Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	Yes	[261]	2007	Operations Research	29	181	19	1254	1553
Rodriguez07 Rodriguez07	J. Rodriguez	A constraint programming model for real-time train scheduling at junctions	Yes	[441]	2007	Transportation Research Part B: Methodological	15	117	6	1321	1554
Simonis07 Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[474]	2007	Constraints An Int. J.	30	10	17	1335	1555
Hooker06 Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[260]	2006	Constraints An Int. J.	19	19	13	1253	1556
KhayatLR06 KhayatLR06	Ghada El Khayat, A. Langevin, D. Riopel	Integrated production and material handling scheduling using mathematical programming and constraint programming	Yes	[289]	2006	Eur. J. Oper. Res.	15	84	14	1264	1557
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	[446]	2006	INFORMS J. Comput.	9	45	6	1325	1558
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	[482]	2006	Int. J. Parallel Emergent Distributed Syst.	19	12	23	1339	1559
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[258]	2005	Constraints An Int. J.	17	68	11	1252	1560
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	[531]	2005	Constraints An Int. J.	23	21	5	1353	1561
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[561]	2005	Inteligencia Artif.	10	0	0	1366	1562
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	[423]	2004	Eur. J. Oper. Res.	16	7	8	1314	1563
BeckR03 BeckR03	J. Christopher Beck, P. Refalo	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs	Yes	[62]	2003	Ann. Oper. Res.	23	29	0	1187	1564
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[264]	2003	Mathematical Programming	28	317	0	1256	1565
KuchcinskiW03 KuchcinskiW03	K. Kuchcinski, C. Wolinski	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming	Yes	[311]	2003	J. Syst. Archit.	15	19	18	1274	1566
Laborie03 Laborie03	P. Laborie	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results	Yes	[314]	2003	Artificial Intelligence	38	128	10	1275	1567
Tsang03 Tsang03	Edward P. K. Tsang	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems	Yes	[515]	2003	J. Sched.	2	1	0	1352	1568
HarjunkoskiG02 HarjunkoskiG02	I. Harjunkoski, Ignacio E. Grossmann	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods	Yes	[234]	2002	Computers Chemical Engineering	20	169	11	1244	1569
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	[351]	2002	J. Oper. Res. Soc.	8	22	0	1287	1570
RodriguezDG02 RodriguezDG02	J. Rodriguez, X. Delorme, X. Gandibleux	Railway infrastructure saturation using constraint programming approach	Yes	[440]	2002	Computers in Railways VIII	10	0	0	1322	1571

Table 5: Works from bibtex (Total 229)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Timpe02 Timpe02	C. Timpe	Solving planning and scheduling problems with combined integer and constraint programming	Yes	[500]	2002	OR Spectr.	18	42	0	1345	1572
JainG01 JainG01	V. Jain, Ignacio E. Grossmann	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems	Yes	[272]	2001	INFORMS Journal on Computing	19	279	23	1259	1573
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	[365]	2001	Ann. Oper. Res.	17	11	0	1290	1574
Mason01 Mason01	Andrew J. Mason	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling	Yes	[366]	2001	Ann. Oper. Res.	38	5	0	1291	1575
ArtiguesR00 ArtiguesR00	C. Artigues, F. Roubellat	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes	Yes	[25]	2000	Eur. J. Oper. Res.	20	84	3	1172	1576
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[41]	2000	Constraints An Int. J.	21	46	0	1179	1577
BeckF00 BeckF00	J. Christopher Beck, Mark S. Fox	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics	Yes	[60]	2000	Artif. Intell.	51	24	19	1184	1578
HeipckeCCS00 HeipckeCCS00	S. Heipcke, Y. Colombani, Cristina C. B. Cavalcante, Cid C. de Souza	Scheduling under Labour Resource Constraints	Yes	[250]	2000	Constraints An Int. J.	8	5	0	1251	1579
KorbaaYG00 KorbaaYG00	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming	Yes	[297]	2000	Eur. J. Control	10	7	4	1267	1580
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	[350]	2000	Eur. J. Control	4	0	0	1286	1581
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[447]	2000	Constraints An Int. J.	30	73	0	1326	1582
SchildW00 SchildW00	K. Schild, J. Würtz	Scheduling of Time-Triggered Real-Time Systems	Yes	[449]	2000	Constraints An Int. J.	23	23	0	1328	1583
SimonisCK00 SimonisCK00	H. Simonis, P. Charlier, P. Kay	Constraint Handling in an Integrated Transportation Problem	Yes	[475]	2000	IEEE Intell. Syst.	7	11	5	1336	1584
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[477]	2000	INFORMS J. Comput.	12	7	14	1337	1585
TorresL00 TorresL00	P. Torres, P. Lopez	On Not-First/Not-Last conditions in disjunctive scheduling	Yes	[503]	2000	European Journal of Operational Research	12	26	13	1347	1586
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	Yes	[82]	1999	Constraints An Int. J.	7	99	0	1197	1587
BruckerDMNP99 BruckerDMNP99	P. Brucker, A. Drexl, R. Möhring, K. Neumann, E. Pesch	Resource-constrained project scheduling: Notation, classification, models, and methods	Yes	[112]	1999	European Journal of Operational Research	39	990	137	1208	1588
BeckF98 BeckF98	J. Christopher Beck, Mark S. Fox	A Generic Framework for Constraint-Directed Search and Scheduling	Yes	[59]	1998	AI Mag.	30	0	0	1185	1589
BelhadjiI98 BelhadjiI98	S. Belhadji, A. Isli	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	Yes	[75]	1998	Constraints An Int. J.	9	3	0	1193	1590
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[404]	1998	J. Heuristics	16	42	0	1309	1591
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[415]	1998	Constraints An Int. J.	25	14	0	1313	1592
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	[141]	1997	Constraints An Int. J.	20	28	5	1218	1593
FalaschiGMP97 FalaschiGMP97	M. Falaschi, M. Gabbrielli, K. Marriott, C. Palamidessi	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators	Yes	[174]	1997	Inf. Comput.	27	10	9	1225	1594

Table 5: Works from bibtex (Total 229)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
KolischS97 KolischS97	R. Kolisch, A. Sprecher	PSPLIB - A project scheduling problem library	Yes	[295]	1997	European Journal of Operational Research	12	840	18	1266	1595
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[321]	1997	Artif. Intell. Eng.	15	11	7	1278	1596
Zhou97 Zhou97	J. Zhou	A Permutation-Based Approach for Solving the Job-Shop Problem	Yes	[569]	1997	Constraints An Int. J.	29	14	0	1370	1597
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[536]	1996	Constraints An Int. J.	30	87	55	1355	1598
BeldiceanuC94 BeldiceanuC94	N. Beldiceanu, E. Contejean	Introducing Global Constraints in CHIP	Yes	[70]	1994	Mathematical and Computer Modelling	27	167	8	1191	1599
CarlierP94 CarlierP94	J. Carlier, E. Pinson	Adjustment of heads and tails for the job-shop problem	Yes	[122]	1994	European Journal of Operational Research	16	151	10	1213	1600
Pape94 Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	No	[413]	1994	Intelligent Systems Engineering	1	98	0	No	1601
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	1167	1602
Taillard93 Taillard93	E. Taillard	Benchmarks for basic scheduling problems	Yes	[485]	1993	European Journal of Operational Research	8	1568	6	1340	1603
Tay92 Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	No	[491]	1992	Comput. J.	null	0	0	No	1604
ApplegateC91 ApplegateC91	D. Applegate, W. Cook	A Computational Study of the Job-Shop Scheduling Problem	Yes	[18]	1991	ORSA Journal on Computing	8	536	0	1171	1605
DechterMP91 DechterMP91	R. Dechter, I. Meiri, J. Pearl	Temporal constraint networks	Yes	[149]	1991	Artificial Intelligence	35	879	28	1219	1606
CarlierP90 CarlierP90	J. Carlier, E. Pinson	A practical use of Jackson's preemptive schedule for solving the job shop problem	Yes	[121]	1990	Annals of Operations Research	19	112	11	1212	1607
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[160]	1990	J. Log. Program.	19	86	9	1220	1608
CarlierP89 CarlierP89	J. Carlier, E. Pinson	An Algorithm for Solving the Job-Shop Problem	Yes	[120]	1989	Management Science	14	516	0	1211	1609
AdamsBZ88 AdamsBZ88	J. Adams, E. Balas, D. Zawack	The Shifting Bottleneck Procedure for Job Shop Scheduling	Yes	[6]	1988	Management Science	12	1054	0	1166	1610
BlazewiczLK83 BlazewiczLK83	J. Blazewicz, Jan Karel Lenstra, A. H. G. Rinnooy Kan	Scheduling subject to resource constraints: classification and complexity	Yes	[89]	1983	Discret. Appl. Math.	14	947	6	1199	1611
Benders62 Benders62	Jacques F. Benders	Partitioning procedures for solving mixed-variables programming problems	Yes	[77]	1962	Numerische Mathematik	15	2583	6	1194	1612

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		968	1419
AbreuAPNM21 [144]	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		969	1420
AbreuN22 [145]	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		952	1403
AbreuNP23 [146]	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	935	1386
AdamsBZ88 [6]	12	due-date, job-shop, resource, scheduling, make-span, completion-time, machine, lateness, precedence, order, job		disjunctive, cycle							1159	1610
AggounB93 [7]	17	task, machine, precedence, order, job, activity, due-date, job-shop, flow-shop, resource, scheduling		circuit, bin-packing, disjunctive, cumulative	Prolog	OPL, CHIP	perfect-square, rectangle-packing		real-world		1151	1602
AkramNHRSA23 [9]	16	resource, completion-time, preempt, scheduling, order, machine, task, distributed		cycle, bin-packing	Python	OR-Tools	medical, agriculture		benchmark		937	1388
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		938	1389
AntunesABDEGGOL20 [1	31	lateness, task, re-scheduling, transportation, precedence, earliness, distributed, activity, due-date, scheduling, order		bin-packing		Cplex, OZ		electricity industry	real-world, industrial partner		981	1432
ApplegateC91 [18]	8										1154	1605

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ArtiguesR00 [25]	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					1125	1576
AstrandJZ20 [30]	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		982	1433
BadicaBI20 [31]	17	machine, activity, make-span, manpower, completion-time, resource, precedence, scheduling, distributed, task, order	psplib	bin-packing, cycle	Prolog	Gecode, ECLiPSe			real-world, benchmark		983	1434
BajestaniB13 [34]	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				1054	1505
BajestaniB15 [35]	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		1037	1488
BandaSC11 [148]	18	precedence, order, scheduling, task				Ilog Solver, OZ			random instance, benchmark, CSPlib		1065	1516
BaptisteB18 [38]	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	1008	1459
BaptisteP00 [41]	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	1126	1577
BartakCS10 [48]	31	resource, setup-time, task, job-shop, scheduling, machine, activity, flow-shop, order, job, precedence	RCPSP	disjunctive	Prolog	SICStus			benchmark, real-life, real-world		1079	1530
BartakS11 [49]	5	distributed, resource, scheduling, task, multi-agent, order		cumulative		OPL			random instance, real-world, real-life		1066	1517

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BartakSR10 [50]	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	1080	1531
Beck07 [56]	29	flow-shop, order, scheduling, precedence, make-span, machine, resource, job, job-shop, tardiness, activity		disjunctive		Ilog Scheduler			benchmark		1100	1551
BeckF00 [60]	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	1127	1578
BeckF98 [59]	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	1138	1589
BeckFW11 [58]	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		1067	1518
BeckR03 [62]	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	1113	1564
BeckW07 [65]	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	1101	1552
Bedhief21 [66]	7	setup-time, preempt, no preempt, sequence dependent setup, due-date, transportation, flow-shop, scheduling, make-span, completion-time, machine, job, order, release-date, tardiness	single machine, parallel machine	noOverlap		OZ, OPL, Cplex	robot, medical		real-life		970	1421
BegB13 [67]	23	scheduling, re-scheduling, machine, resource, task, completion-time, order, distributed	TMS	cycle			pipeline		benchmark		1055	1506

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BeldiceanuC94 [70]	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		1148	1599
BeldiceanuCDP11 [72]	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	1068	1519
BelhadjiI98 [75]	9	precedence, release-date, job-shop, order, job, scheduling, resource, task, machine, preempt, due-date	Temporal Constraint Satisfaction Problem, TCSP, JSSP	disjunctive					real-life		1139	1590
Benders62 [77]	15	transportation, order, continuous-process		cycle							1161	1612
BenediktMH20 [78]	19	preempt, order, job, re-scheduling, task, job-shop, scheduling, machine	single machine	noOverlap, endBeforeStart		Gurobi	robot		github, benchmark, random instance, generated instance		984	1435
BeniniLMR11 [81]	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		1069	1520
BensanaLV99 [82]	7	order		cycle		Cplex, Ilog Solver	satellite, earth observation		benchmark		1136	1587
BidotVLB09 [85]	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	1087	1538
BlazewiczLK83 [89]	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					1160	1611
BlomBPS14 [90]	19	task, transportation, distributed, resource, scheduling, precedence, order		disjunctive		Cplex, OZ	offshore		benchmark, industry partner		1047	1498
BlomPS16 [91]	26	re-scheduling, transportation, order, scheduling, distributed, resource, machine, task, activity, producer/consumer, precedence, batch process		disjunctive		OZ, Cplex	pipeline, offshore	process industry	industry partner, benchmark		1027	1478
BocewiczBB09 [92]	19	job-shop, resource, multi-agent, precedence, scheduling, machine, transportation, order, tardiness, job, task, distributed, completion-time		cycle		OZ	robot			not-last	1088	1539

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Bonfietti16 [96]	13	order, activity, scheduling, resource, task, distributed, precedence		disjunctive, cumulative, circuit	C++	OZ	pipeline		benchmark		1028	1479
BonfiettiLBM14 [99]	28	buffer-capacity, scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, task, job-shop	RCPSP	circuit, cumulative, cycle		Ilog Solver	pipeline, hoist, robot, medical		real-world, generated instance, industrial instance, benchmark	time-tabling, sweep	1048	1499
BorghesiBLMB18 [105]	13	job, re-scheduling, make-span, resource, distributed, activity, task, machine, scheduling, order		cumulative, cycle			super-computer		benchmark, real-life		1009	1460
BourreauGGLT22 [108]	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		953	1404
BridiBLMB16 [110]	14	re-scheduling, make-span, job, scheduling, resource, order, machine, activity, distributed, tardiness		cycle, cumulative, circuit		OZ	medical, super-computer		real-world, real-life		1029	1480
BruckerDMNP99 [112]	39	activity, job, distributed, completion-time, tardiness, preempt, manpower, job-shop, scheduling, make-span, machine, release-date, task, precedence, cmax, resource, order	RCPSP, psplib	cumulative, cycle, disjunctive		Ilog Scheduler, OZ	pipeline		benchmark, real-world, real-life	time-tabling, energetic reasoning	1137	1588
Caballero23 [115]	1	resource, scheduling	RCPSP								939	1390
CampeauG22 [116]	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	954	1405
CarlierP89 [120]	14	machine, make-span, job, release-date, tardiness, job-shop, due-date, scheduling, preempt, flow-shop, order, lateness	single machine	disjunctive, cycle							1158	1609
CarlierP90 [121]	19	machine, make-span, job, tardiness, job-shop, due-date, scheduling, preempt, flow-shop, task, order, lateness, completion-time	single machine	disjunctive					benchmark		1156	1607
CarlierP94 [122]	16										1149	1600
CauwelaertDS20 [126]	19	job-shop, scheduling, order, batch process, completion-time, sequence dependent setup, job, resource, make-span, activity, preempt, setup-time, machine, precedence, transportation, task		cycle, disjunctive, cumulative	Java	OZ	container terminal, patient		benchmark, real-life, bitbucket, generated instance	not-last, edge-finding, not-first	985	1436

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
CauwelaertLS18 [125]	36	scheduling, order, job, resource, activity, machine, task, job-shop	psplib, RCPSP	circuit, alldifferent, bin-packing, disjunctive, cumulative, table constraint	Java, Prolog	OZ, OPL, Gecode, CHIP			bitbucket, benchmark	energetic reasoning, not-last, edge-finding, time-tabling, not-first, sweep	1010	1461
ColT22 [137]	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		955	1406
CzerniachowskaWZ23 [139	14	setup-time, transportation, flow-shop, machine, activity, order, completion-time, task, job, resource, job-shop, make-span, scheduling	PTC, JSSP, parallel machine	endBeforeStart, noOverlap		OPL, OZ, Cplex, CPO	automotive, robot	manufacturing industry, pharmaceutical industry, automotive industry	benchmark, Roadef, real-world		940	1391
Darby-DowmanLMZ97 [141]	20	machine, scheduling, order, task, make-span, resource	MGAP, single machine	span constraint, disjunctive	Prolog	Cplex, ECLiPSe	pipeline, aircraft		real-life, real-world, benchmark		1142	1593
DechterMP91 [149]	35	scheduling, order, Allen's algebra, distributed, task	TCSP, Temporal Constraint Satisfaction Problem	disjunctive, cycle, circuit							1155	1606
DincbasSH90 [160]	19	task, machine, job-shop, distributed, precedence, scheduling, resource, order, job		circuit, disjunctive	Prolog	CHIP, OPL			real-life		1157	1608
DoulabiRP16 [163]	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		1030	1481
EscobetPQPRA19 [170]	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			997	1448

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
EvenSH15a [172]	16	preempt, distributed, transportation, resource, scheduling, completion-time, task, machine, order		disjunctive, cumulative	Java	Choco Solver, OPL	emergency service		real-world, real-life	sweep	1038	1489
FahimiOQ18 [173]	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	1011	1462
FalaschiGMP97 [174]	27	order, scheduling			Prolog						1143	1594
FallahiAC20 [175]	18	order, resource, task, transportation, scheduling		cycle		OR-Tools, OZ	robot, nurse, medical, container terminal		github, real-life	sweep	986	1437
FanXG21 [176]	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	971	1422
FarsiTM22 [177]	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	956	1407
FetgoD22 [179]	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	958	1409
GarridoAO09 [191]	30	re-scheduling, precedence, scheduling, make-span, resource, order, task		disjunctive	Java	CPO, OPL, Choco Solver			benchmark		1089	1540
GarridoOS08 [192]	11	scheduling, make-span, resource, order, activity, task, machine			Java, C	Choco Solver, CPO			real-world		1095	1546
GedikKEK18 [197]	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		1012	1463

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GoelSHFS15 [211]	12	precedence, resource, inventory, setup-time, scheduling, activity, task, order, transportation, machine		cumulative, noOverlap, disjunctive, alwaysIn		OPL, Cplex, CPO	pipeline				1039	1490
GokgurHO18 [212]	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	1013	1464
GoldwaserS18 [214]	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	1014	1465
GrimesH15 [219]	17	cmax, completion-time, machine, tardiness, job, lateness, release-date, earliness, setup-time, preempt, job-shop, flow-shop, sequence dependent setup, open-shop, distributed, task, due-date, batch process, resource, scheduling, make-span, precedence, order	OSP, JSSP, Open Shop Scheduling Problem	noOverlap, endBeforeStart, disjunctive, cumulative		Ilog Scheduler, Mistral, CPO, Choco Solver	semiconductor		real-world, benchmark	not-first, time-tabling, edge-finding, not-last	1040	1491
GrimesIOS14 [221]	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		1049	1500
GurEA19 [575]	24	order, distributed, resource, job-shop, scheduling, re-scheduling, job, completion-time				OZ, Cplex	patient, medical, surgery, operating room		real-life		998	1449
GurPAE23 [228]	25	re-scheduling, order, scheduling, distributed, resource, inventory, machine		cumulative		OPL, Cplex, OZ	physician, surgery, patient, operating room, COVID, nurse		real-life		941	1392
HachemiGR11 [229]	16	task, precedence, job-shop, transportation, make-span, scheduling, resource, order, job, activity		cycle, alldifferent		OPL, Ilog Scheduler, Cplex	crew-scheduling, forestry	food industry			1070	1521
Ham18 [230]	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				1015	1466

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HamC16 [232]	6	completion-time, sequence dependent setup, scheduling, precedence, make-span, machine, cmax, batch process, resource, job, job-shop, transportation, setup-time, task, order	FJS	cycle, endBeforeStart		Cplex, OPL	semiconductor	pharmaceutical industry	benchmark		1031	1482
HamPK21 [231]	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		972	1423
HarjunkoskiG02 [234]	20	job, resource, setup-time, activity, task, machine, due-date, flow-shop, release-date, job-shop, scheduling, order		cumulative		Ilog Solver, ECLiPSe, Ilog Scheduler, Cplex, CHIP, OPL					1118	1569
HartmannB10 [235]	14	re-scheduling, make-span, setup-time, job, activity, scheduling, completion-time, resource, open-shop, order, task, machine, inventory, preempt, earliness, manpower, due-date, BOM, no preempt, lateness, tardiness, multi-agent, precedence, release-date, job-shop	RCPSP, psplib	bin-packing, cycle, disjunctive, cumulative		OZ	medical, automotive	process industry, automotive industry, pharmaceutical industry	instance generator, benchmark, real-world	time-tabling	1081	1532
HebrardHJMPV16 [239]	10	completion-time, resource, task, cmax, distributed, machine, scheduling, order, job, make-span	parallel machine	cumulative		OZ	satellite, earth observation		industrial partner		1032	1483
HeckmanB11 [242]	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	1071	1522
HeinzNVH22 [248]	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		959	1410
HeinzSB13 [247]	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	1056	1507
HeinzSSW12 [245]	12	inventory, task, order		bin-packing		Cplex	steel mill	steel industry, process industry	real-world, CSPlib		1059	1510

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HeipckeCCS00 [250]	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		1128	1579
Hooker05 [258]	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	1109	1560
Hooker06 [260]	19	machine, job, task, precedence, release-date, due-date, make-span, order, tardiness, scheduling, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		1105	1556
Hooker07 [261]	29	machine, job, task, activity, precedence, release-date, due-date, make-span, order, tardiness, inventory, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance, generated instance	edge-finding	1102	1553
HookerH18 [265]	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	1016	1467
HookerO03 [264]	28	due-date, resource, scheduling, task, order, machine, job, release-date		cumulative, disjunctive, circuit		OPL, Cplex, Ilog Scheduler			generated instance		1114	1565
HubnerGSV21 [268]	22	completion-time, resource, order, job, inventory, activity, due-date, task, machine, preempt, transportation, cmax, tardiness, make-span, precedence, scheduling	RCPSPDC, RCPSP	cycle, cumulative, endBeforeStart, alternative constraint	C	Gurobi, Cplex, OPL	automotive		benchmark, real-life		973	1424
IsikYA23 [271]	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	942	1393
JainG01 [272]	19	job-shop, scheduling, due-date, machine, task, job, activity, order, release-date, resource	single machine, parallel machine	cumulative, disjunctive	Prolog	OPL, Ilog Scheduler, Ilog Solver, ECLiPSe, Cplex, CHIP	crew-scheduling				1122	1573

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Jans09 [273]	24	order, scheduling, multi-agent, sequence dependent setup, distributed, inventory, machine, resource, job, setup-time	single machine, parallel machine			Cplex	offshore	process industry	benchmark		1090	1541
Kameugne15 [280]	2	resource, scheduling, task, preempt, completion-time		cumulative						not-last, edge-finding, not-first	1041	1492
KameugneFSN14 [284]	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	1050	1501
KelbelH11 [287]	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	1072	1523
KhayatLR06 [289]	15	job-shop, due-date, scheduling, preempt, task, order, machine, activity, make-span, cmax, job, precedence, resource, setup-time				OPL, Cplex			real-life, benchmark		1106	1557
KoehlerBFFHPSSS21 [294	51	flow-shop, scheduling, lateness, job, task, make-span, machine, tardiness, precedence, resource, job-shop, flow-time, order	CTW, single machine	cycle, circuit, cumulative, disjunctive, alldifferent	C , Python	Z3, MiniZinc, OPL, Cplex, Gurobi, OR-Tools, Chuffed	cable tree, automotive, robot		real-world, benchmark, github		974	1425
KolischS97 [295]	12	task, order, job-shop, machine, preempt, activity, make-span, manpower, flow-shop, completion-time, precedence, resource, job, open-shop, scheduling	RCPSP, psplib			OZ			benchmark		1144	1595
KorbaaYG00 [297]	10										1129	1580
KovacsB08 [300]	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	1096	1547
KovacsB11 [301]	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	1073	1524

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KovacsK11 [303]	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					1074	1525
KreterSS17 [308]	31	scheduling, task, order, machine, preempt, activity, make-span, completion-time, precedence, resource, lazy clause generation	RCPSP, parallel machine	cycle, alwaysIn, cumulative, diffn		CPO, Cplex, MiniZinc, CHIP, Chuffed			benchmark	edge-finding	1024	1475
KreterSSZ18 [309]	15	machine, precedence, release-date, lazy clause generation, tardiness, scheduling, completion-time, resource, order, preempt, activity, task	RCPSP, psplib	cumulative		Chuffed, MiniZinc, Cplex			benchmark		1017	1468
KuB16 [310]	9	precedence, tardiness, earliness, completion-time, make-span, scheduling, machine, job-shop, job, order		disjunctive		Cplex, Ilog Scheduler, Gurobi			benchmark		1033	1484
KuchcinskiW03 [311]	15	scheduling, precedence, resource, distributed, order		cycle, circuit	Java		pipeline		benchmark		1115	1566
Laborie03 [314]	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	1116	1567
LaborieRSV18 [317]	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	1018	1469
LacknerMMWW23 [319]	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	943	1394
LammaMM97 [321]	15	job-shop, resource, scheduling, precedence, order, task, job, distributed		circuit, disjunctive	C++, Prolog	ECLiPSe, OPL, CHIP	railway		real-life		1145	1596
LetortCB15 [328]	52	machine, make-span, job, precedence, resource, scheduling, task, order	psplib	cumulative, cycle, bin-packing	Java, Prolog	Choco Solver, CHIP, SICStus			generated instance, Roadef, benchmark, random instance	energetic reasoning, sweep, edge-finding	1042	1493

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LiessM08 [330]	12	preempt, resource, scheduling, machine, job, activity, precedence, job-shop, task, make-span, order, cmax	RCPSP, psplib	disjunctive, cumulative	C++	OZ			benchmark	edge-finding	1097	1548
LimtanyakulS12 [335]	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	1060	1511
LombardiM10a [344]	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	1082	1533
LombardiM12 [347]	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	1061	1512
LombardiM12a [346]	10	order, make-span, completion-time, resource, activity, precedence, producer/consumer, scheduling	psplib, RCPSP	disjunctive		Ilog Solver			benchmark		1062	1513
LopesCSM10 [349]	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	1083	1534
LopezAKYG00 [350]	4										1130	1581
LorigeonBB02 [351]	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					1119	1570
LunardiBLRV20 [353]	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		987	1438
MalikMB08 [363]	18	distributed, resource, scheduling, machine, precedence, order		cycle			pipeline		benchmark	edge-finding	1098	1549
MartinPY01 [365]	17	scheduling, task, order, machine, transportation, re-scheduling, resource		circuit	Prolog	ECLiPSe, Ilog Solver	railway, aircraft		real-life		1123	1574

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Mason01 [366]	38	scheduling, order, task, activity, transportation				OPL, OZ, Cplex	railway, crew-scheduling, nurse				1124	1575
MejiaY20 [368]	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		988	1439
MengZRZL20 [370]	13	earliness, job-shop, scheduling, machine, preempt, sequence dependent setup, flow-time, flow-shop, order, completion-time, transportation, make-span, cmax, job, precedence, batch process, open-shop, distributed, tardiness, resource, no preempt, setup-time, task	Open Shop Scheduling Problem, OSP, parallel machine, FJS	alternative constraint, noOverlap, endBeforeStart		OPL, Gecode, Gurobi, OR-Tools, Cplex	robot, semiconductor		supplementary material, benchmark		989	1440
MercierH08 [371]	21	job-shop, due-date, scheduling, preempt, task, order, job, release-date, resource		cumulative, disjunctive						edge-finder, edge-finding	1099	1550
MokhtarzadehTNF20 [374]	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	990	1441
MontemanniD23 [378]	13	resource, distributed, order, scheduling, machine, task		circuit	Python	OPL, OR-Tools, Gurobi	robot, drone		benchmark, supplementary material		944	1395
MontemanniD23a [377]	20	order, completion-time, task, transportation, scheduling		circuit	Python	OR-Tools	drone		benchmark		945	1396
MullerMKP22 [382]	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		960	1411
NaderiBZ22 [387]	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		961	1412

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
NaderiRR23 [388]	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		946	1397
NattafAL15 [390]	21	resource, release-date, due-date, scheduling, preempt, task, order, activity, make-span	CECSP, CuSP, RCPSP	cumulative	C++	Cplex			generated instance	sweep, energetic reasoning	1043	1494
NattafAL17 [391]	18	resource, release-date, scheduling, task, order, activity, make-span, job	CECSP	disjunctive, cumulative	C++	Cplex			real-world	edge-finding, energetic reasoning	1025	1476
NishikawaSTT19 [397]	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		999	1450
NovaraNH16 [398]	17	earliness, machine, make-span, job, precedence, batch process, re-scheduling, tardiness, resource, setup-time, due-date, scheduling, activity, sequence dependent setup, manpower, task, order, completion-time		cumulative, noOverlap, endBeforeStart, disjunctive, alternative constraint		OPL, Cplex		pharmaceutica industry	CSPlib, benchmark		1034	1485
Novas19 [399]	13	inventory, lateness, setup-time, resource, make-span, scheduling, flow-shop, transportation, flow-time, precedence, cmax, release-date, job-shop, sequence dependent setup, due-date, machine, task, tardiness, job, completion-time, activity, order, distributed	parallel machine, FJS	cycle, cumulative, noOverlap, endBeforeStart		OPL, OZ, Cplex	medical, semiconductor, robot		benchmark		1000	1451
NovasH10 [400]	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				1084	1535
NovasH12 [401]	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				1063	1514

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
NovasH14 [402]	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		1051	1502
NuijtenP98 [404]	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	1140	1591
OhrimenkoSC09 [406]	35	completion-time, lazy clause generation, scheduling, make-span, machine, open-shop, resource, order, job	Open Shop Scheduling Problem	disjunctive, alldifferent		Gecode, OZ			benchmark		1091	1542
OzturkTHO13 [411]	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	1057	1508
PandeyS21a [412]	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		975	1426
PapaB98 [415]	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	1141	1592
PoderBS04 [423]	16	preempt, due-date, resource, scheduling, precedence, order, task, machine, activity, producer/consumer, release-date	RCPSP	cumulative	Prolog	CHIP		chemical industry			1112	1563
PohlAK22 [424]	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		962	1413
Polo-MejiaALB20 [425]	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		991	1442
PourDERB18 [427]	12	scheduling, task, order, machine, transportation, job				Cplex, OR-Tools	crew-scheduling, railway		real-life, benchmark, real-world, generated instance		1019	1470

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
PrataAN23 [431]	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	933	1384
QinDCS20 [434]	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		992	1443
QinWSLS21 [433]	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				976	1427
Rodriguez07 [441]	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		1103	1554
RodriguezDG02 [440]	10	completion-time, scheduling, resource, transportation, activity, order		circuit, disjunctive			railway			edge-finding	1120	1571
RuggieroBBMA09 [443]	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		1092	1543
SacramentoSP20 [444]	33	preempt, distributed, machine, precedence, task, flow-shop, job-shop, open-shop, transportation, scheduling, order, completion-time, job, resource, make-span, activity	parallel machine, Open Shop Scheduling Problem	disjunctive, cumulative, alternative constraint, endBeforeStart, noOverlap	Java	Cplex, OZ, CPO	container terminal		benchmark, real-life, zenodo, real-world		993	1444
SadykovW06 [446]	9	scheduling, lateness, due-date, machine, completion-time, job, release-date	single machine, parallel machine	disjunctive		CHIP	robot		generated instance		1107	1558
SakkoutW00 [447]	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	1131	1582
SchausHMCMD11 [448]	23	order, task	SCC	bin-packing			steel mill	steel industry	benchmark, CSPlib, generated instance		1075	1526
SchildW00 [449]	23	distributed, job-shop, flow-shop, resource, scheduling, completion-time, task, machine, precedence, order, job	single machine	disjunctive, cycle, bin-packing		OZ, Ilog Solver	automotive	automotive industry, aerospace industry		time-tabling, edge-finding	1132	1583

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SchuttFSW11 [455]	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	1076	1527
SchuttFSW13 [456]	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		1058	1509
ShaikhK23 [462]	12	order, job, activity, re-scheduling, distributed, job-shop, resource, scheduling, open-shop, task, machine					medical, drone		benchmark, real-world	time-tabling	947	1398
ShinBBHO18 [465]	16	scheduling, task, order, machine, preempt, activity, transportation, resource, inventory, job					patient, physician, medical, nurse		github, real-world		1020	1471
Siala15 [466]	2	resource, scheduling		disjunctive					benchmark		1044	1495
SimoninAHL15 [470]	23	resource, activity, precedence, preempt, scheduling, order, inventory, transportation, task, make-span		disjunctive, span constraint, cumulative, cycle		CHIP	earth observation, satellite, pipeline, robot			sweep	1045	1496
Simonis07 [474]	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	1104	1555
SimonisCK00 [475]	7	activity, task, machine, transportation, producer/consumer, stock level, scheduling, resource, order		disjunctive, cycle, cumulative, circuit, diffn, bin-packing	C++, Prolog	CHIP	crew-scheduling, aircraft	food industry			1133	1584
SourdN00 [477]	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	1134	1585
SubulanC22 [479]	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		964	1415
SureshMOK06 [482]	19	distributed, scheduling, buffer-capacity, order, job, task, machine		cumulative, cycle		Z3, OZ					1108	1559

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Taillard93 [485]	8	preempt, flow-shop, order, machine, make-span, cmax, job, release-date, open-shop, resource, job-shop, due-date, scheduling	Open Shop Scheduling Problem						benchmark		1152	1603
TangLWSK18 [487]	28	scheduling, task, order, preempt, activity, job, transportation, re-scheduling, resource	RCPSP	cycle, circuit	C	Cplex, OZ, OPL	crew-scheduling, railway, pipeline				1021	1472
TerekhovDOB12 [493]	15	activity, job, distributed, due-date, completion-time, tardiness, preempt, job-shop, scheduling, make-span, machine, release-date, lateness, flow-shop, precedence, earliness, cmax, open-shop, resource, order, inventory	parallel machine, RCPSP, single machine	cumulative, disjunctive, alldifferent	C++	Ilog Solver, Ilog Scheduler, OZ, Cplex	robot		real-life		1064	1515
TerekhovTDB14 [494]	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		1052	1503
ThiruvadyWGS14 [498]	34	order, completion-time, resource, activity, tardiness, distributed, machine, precedence, task, job, make-span, scheduling	psplib, single machine	cumulative				mining industry	benchmark		1053	1504
Timpe02 [500]	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			1121	1572
TopalogluO11 [502]	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	1077	1528
TorresL00 [503]	12	precedence, order, job, preempt, release-date, job-shop, resource, scheduling, make-span, task, machine	JSSP, single machine	disjunctive, cumulative, cycle	C++	OZ	robot		benchmark	not-last, energetic reasoning, not-first	1135	1586
TranAB16 [506]	13	sequence dependent setup, release-date, due-date, make-span, order, cmax, tardiness, scheduling, resource, completion-time, machine, setup-time, job, precedence	parallel machine, single machine, PMSP	cycle, circuit		Gurobi, Cplex, OZ	aircraft		benchmark		1035	1486

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 [509]	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		1022	1473
TranVNB17 [511]	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		1026	1477
TrojetHL11 [514]	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		1078	1529
Tsang03 [515]	2	resource, scheduling							real-life	time-tabling	1117	1568
VilimBC05 [531]	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	1110	1561
VlkHT21 [534]	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		977	1428
Wallace96 [536]	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	1147	1598
WallaceY20 [537]	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	994	1445
WangMD15 [540]	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	1046	1497
WikarekS19 [544]	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				1002	1453
WuBB09 [550]	9	task, order, scheduling, completion-time, distributed, resource, job, precedence, lateness, machine, activity, job-shop, flow-time, transportation	single machine	cumulative		Ilog Solver	railway, crew-scheduling		real-world		1093	1544

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
YounespourAKE19 [552]	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		1003	1454
YunusogluY22 [554]	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		965	1416
YuraszeckMCCR23 [557]	11	setup-time, cmax, activity, make-span, machine, open-shop, precedence, resource, preempt, batch process, task, flow-shop, order, scheduling, job, job-shop, flow-time	RCPSP, Open Shop Scheduling Problem, JSSP, FJS, OSSP	endBeforeStart, cumulative		OPL, Cplex		pharmaceutica industry	github, real-world, benchmark		948	1399
YuraszeckMPV22 [556]	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		966	1417
ZarandiASC20 [560]	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	995	1446
ZarandiKS16 [559]	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	1036	1487
ZeballosH05 [561]	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				1111	1562

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 [562]	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		1085	1536
ZhangW18 [566]	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		1023	1474
ZhangYW21 [565]	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		978	1429
Zhou97 [569]	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	1146	1597
ZouZ20 [574]	10	resource, activity, task, order, scheduling, precedence, completion-time, distributed		cumulative, endBeforeStart, noOverlap, span constraint		Cplex, OPL	pipeline		benchmark		996	1447
abs-0907-0939 [421]	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	1094	1545
abs-1009-0347 [454]	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		1086	1537
abs-1901-07914 [69]	8	multi-agent, scheduling, order, resource, make-span, distributed, machine, task			Python	OZ, MiniZinc, OR-Tools	robot		benchmark, real-world, github		1004	1455
abs-1902-01193 [10]	9	order, resource, activity, BOM, task, scheduling			C++, Prolog, Python	Ilog Solver, CHIP, OPL	medical, nurse			time-tabling	1005	1456
abs-1902-09244 [236]	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		1006	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
abs-1911-04766 [199]	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	1007	1458
abs-2102-08778 [135]	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		979	1430
abs-2211-14492 [480]	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		967	1418
abs-2305-19888 [249]	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		949	1400
abs-2306-05747 [490]	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		950	1401
abs-2312-13682 [419]	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		951	1402
abs-2402-00459 [394]	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		934	1385

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 [431]	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	-	benchmark, real-world, real-life	1	-		-	-	survey	-	933	1318
abs-2402-00459 abs-2402-00459 [394]	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	OR-Tools	instance generator, real-world, generated instance, github, benchmark	2	y		n	-	RCJS	cumulatives	934	1383
AbreuNP23 AbreuNP23 [146]	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	?	real-world, benchmark	10	?		?	?	?	?	935	1165
AbreuPNF23 AbreuPNF23 [3]	A constraint programming-based iterated greedy algorithm for the open shop with sequence-dependent processing times and makespan minimization			0							936	No
AkramNHRSA23 AkramNHRSA23 [9]	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming	OR-Tools	benchmark	0	n		n	-	TSN	-	937	1168
AlfieriGPS23 AlfieriGPS23 [11]	Permutation flowshop problems minimizing core waiting time and core idle time		benchmark	0							938	1169
Caballero23 Caballero23 [115]	Scheduling through logic-based tools	SAT		1	-		-	PhD Thesis	RCPSP	-	939	1209
CzerniachowskaWZ23 CzerniachowskaWZ23 [139]	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations		benchmark, Roadef, real-world	0							940	1217
GurPAE23 GurPAE23 [228]	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Cplex	real-life	0	n		n	-	-	-	941	1239
IsikYA23 IsikYA23 [271]	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	942	1258
LacknerMMWW23 LacknerMMWW23 [319]	Exact methods for the Oven Scheduling Problem	MiniZinc OPL	random instance, industrial partner, benchmark, instance generator, zenodo, real-life	0	DZN JSON		y	[318]	OSP	alternative noOverlap forbidExtent	943	1277
MontemanniD23 MontemanniD23 [378]	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	OR-Tools	benchmark, supplementary material	6	ref	y	n	-	PDSTSP	circuit	944	1296
MontemanniD23a MontemanniD23a [377]	Constraint programming models for the parallel drone scheduling vehicle routing problem	OR-Tools	benchmark	0	ref		n	-	PDSTSP	circuit multipleCircuit	945	1297
NaderiRR23 NaderiRR23 [388]	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook		github, benchmark	8							946	1300
ShaikhK23 ShaikhK23 [462]	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	?	benchmark, real-world	2	?		?	?	?	?	947	1331

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
YuraszeckMCCR23 YuraszeckMCCR23 [557]	A Constraint Programming Formulation of the Multi-Mode Resource-Constrained Project Scheduling Problem for the Flexible Job Shop Scheduling Problem	CP Opt	github, real-world, benchmark	0	ref		n	-	FJSSP	alternative endBeforeStart cumulative	948	1362
abs-2305-19888 abs-2305-19888 [249]	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	949	1380
abs-2306-05747 abs-2306-05747 [490]	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	950	1381
abs-2312-13682 abs-2312-13682 [419]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	951	1382
AbreuN22 AbreuN22 [145]	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	952	1164
BourreauGGLT22 BourreauGGLT22 [108]	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)		real-world, benchmark	2							953	1206
CampeauG22 CampeauG22 [116]	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	954	1210
ColT22 ColT22 [137]	Industrial-size job shop scheduling with constraint programming		generated instance, supplementary material, github, real-life, benchmark, real-world	4							955	1216
FarsiTM22 FarsiTM22 [177]	Integrated surgery scheduling by constraint programming and meta-heuristics		supplementary material	10							956	1228
Fatemi-AnarakiMFN22 Fatemi-AnarakiMFN22 [178]	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches			0							957	No
FetgoD22 FetgoD22 [179]	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited		benchmark, real-world	7							958	1229
HeinzNVH22 HeinzNVH22 [248]	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers		real-world, generated instance, benchmark, gitlab	3							959	1248
MullerMKP22 MullerMKP22 [382]	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							960	1298
NaderiBZ22 NaderiBZ22 [387]	Integrated Order Acceptance and Resource Decisions Under Uncertainty: Robust and Stochastic Approaches		benchmark, real-life	0							961	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
PohlAK22 PohlAK22 [424]	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach		benchmark, real-world	2							962	1315
ShiYXQ22 ShiYXQ22 [464]	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach			0							963	No
SubulanC22 SubulanC22 [479]	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem		real-life, benchmark, real-world	2							964	1338
YunusogluY22 YunusogluY22 [554]	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							965	1361
YuraszeckMPV22 YuraszeckMPV22 [556]	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem		generated instance, github, benchmark, real-life	5							966	1363
abs-2211-14492 abs-2211-14492 [480]	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling		benchmark, random instance, generated instance	1							967	1379
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							968	1162
AbreuAPNM21 AbreuAPNM21 [144]	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							969	1163
Bedhief21 Bedhief21 [66]	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines		real-life	0							970	1189
FanXG21 FanXG21 [176]	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints		benchmark	0							971	1227
HamPK21 HamPK21 [231]	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming		benchmark, github	4							972	1243
HubnerGSV21 HubnerGSV21 [268]	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics		benchmark, real-life	4							973	1257
KoehlerBFFHPSSS21 KoehlerBFFH-PSSS21 [294]	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	974	1265
PandeyS21a PandeyS21a [412]	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization		benchmark	1							975	1312

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
QinWSLS21 QinWSLS21 [433]	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint			0							976	1320
VlkHT21 VlkHT21 [534]	Constraint programming approaches to joint routing and scheduling in time-sensitive networks		industrial partner, random instance, github, benchmark	0							977	1354
ZhangYW21 ZhangYW21 [565]	A graph-based constraint programming approach for the integrated process planning and scheduling problem		benchmark	0							978	1369
abs-2102-08778 abs-2102-08778 [135]	Large-Scale Benchmarks for the Job Shop Scheduling Problem		generated instance, benchmark, real-life, real-world	0							979	1378
AlizdehS20 AlizdehS20 [12]	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming			0							980	No
AntunesABDEGGOL20 AntunesABDEGGOL20 [15]	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting		real-world, industrial partner	1							981	1170
AstrandJZ20 AstrandJZ20 [30]	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search		benchmark, real-world, real-life	0							982	1173
BadicaBI20 BadicaBI20 [31]	Block structured scheduling using constraint logic programming		real-world, benchmark	5							983	1174
BenediktMH20 BenediktMH20 [78]	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				984	1195
CauwelaertDS20 CauwelaertDS20 [126]	An Efficient Filtering Algorithm for the Unary Resource Constraint with Transition Times and Optional Activities		benchmark, real-life, bitbucket, generated instance	2							985	1214
FallahiAC20 FallahiAC20 [175]	Tabu search and constraint programming-based approach for a real scheduling and routing problem		github, real-life	0							986	1226
LunardiBLRV20 LunardiBLRV20 [353]	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem		benchmark, random instance, generated instance, github	1							987	1288
MejiaY20 MejiaY20 [368]	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							988	1292
MengZRZL20 MengZRZL20 [370]	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem		supplementary material, benchmark	0							989	1293
MokhtarzadehTNF20 MokhtarzadehTNF20 [374]	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach		generated instance, real-world	12							990	1295
Polo-MejiaALB20 Polo-MejiaALB20 [425]	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility		Roadef, github	2							991	1316

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
QinDCS20 QinDCS20 [434]	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							992	1319
SacramentoSP20 SacramentoSP20 [444]	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							993	1324
WallaceY20 WallaceY20 [537]	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		994	1356
ZarandiASC20 ZarandiASC20 [560]	A state of the art review of intelligent scheduling		real-world, benchmark, real-life	0							995	1364
ZouZ20 ZouZ20 [574]	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic		benchmark	3							996	1371
EscobetPQPRA19 EscobetPQPRA19 [170]	Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach			1							997	1222
GurEA19 GurEA19 [575]	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study		real-life	11							998	1238
NishikawaSTT19 NishikawaSTT19 [397]	A Constraint Programming Approach to Scheduling of Malleable Tasks		real-world, benchmark	0							999	1303
Novas19 Novas19 [399]	Production scheduling and lot streaming at flexible job-shops environments using constraint programming		benchmark	0							1000	1305
WariZ19 WariZ19 [541]	A Constraint Programming model for food processing industry: a case for an ice cream processing facility			0							1001	No
WikarekS19 WikarekS19 [544]	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems			0							1002	1358
YounespourAKE19 YounespourAKE19 [552]	Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy		real-life, real-world	6							1003	1360
abs-1901-07914 abs-1901-07914 [69]	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks		benchmark, real-world, github	0							1004	1374
abs-1902-01193 abs-1902-01193 [10]	Solving Nurse Scheduling Problem Using Constraint Programming Technique			0							1005	1375
abs-1902-09244 abs-1902-09244 [236]	On constraint programming for a new flexible project scheduling problem with resource constraints		benchmark, industry partner, real-world	0							1006	1376
abs-1911-04766 abs-1911-04766 [199]	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							1007	1377

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BaptisteB18 BaptisteB18 [38]	Redundant cumulative constraints to compute preemptive bounds			1							1008	1178
BorghesiBLMB18 BorghesiBLMB18 [105]	Scheduling-based power capping in high performance computing systems		benchmark, real-life	3							1009	1205
CauwelaertLS18 CauwelaertLS18 [125]	How efficient is a global constraint in practice? - A fair experimental framework		bitbucket, benchmark	1							1010	1215
FahimiOQ18 FahimiOQ18 [173]	Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last	Choco	benchmark, random instance	0	(y)		n		RCPSP	disjunctive cumulative	1011	1224
GedikKEK18 GedikKEK18 [197]	A constraint programming approach for solving unrelated parallel machine scheduling problem		benchmark	9							1012	1232
GokgurHO18 GokgurHO18 [212]	Parallel machine scheduling with tool loading: a constraint programming approach		real-life, real-world	9							1013	1234
GoldwaserS18 GoldwaserS18 [214]	Optimal Torpedo Scheduling		instance generator, github, benchmark, generated instance	0							1014	1235
Ham18 Ham18 [230]	Integrated scheduling of m-truck, m-drone, and m-depot constrained by time-window, drop-pickup, and m-visit using constraint programming			7							1015	1241
HookerH18 HookerH18 [265]	Constraint programming and operations research		real-world, real-life	1							1016	1255
KreterSSZ18 KreterSSZ18 [309]	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems		benchmark	6							1017	1272
LaborieRSV18 LaborieRSV18 [317]	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	OP Opt	real-world, CSPlib, benchmark	3	-		-	-	-	-	1018	1276
PourDERB18 PourDERB18 [427]	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem		real-life, benchmark, real-world, generated instance	1							1019	1317
ShinBBHO18 ShinBBHO18 [465]	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling		github, real-world	4							1020	1332
TangLWSK18 TangLWSK18 [487]	Scheduling Optimization of Linear Schedule with Constraint Programming			0							1021	1341
TranPZLDB18 TranPZLDB18 [509]	Multi-stage resource-aware scheduling for data centers with heterogeneous servers		benchmark, generated instance	2							1022	1349
ZhangW18 ZhangW18 [566]	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							1023	1368
KreterSS17 KreterSS17 [308]	Using constraint programming for solving RCPSP/max-cal	MiniZinc Chuffed Cplex	benchmark	5	dead			[307]	RCPSP	cumulative cumulativeCalend	1024	1271
NattafAL17 NattafAL17 [391]	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Cplex	real-world	2	n		n	-	CECSP	-	1025	1302
TranVNB17 TranVNB17 [511]	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots		real-world	0							1026	1350

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BlomPS16 BlomPS16 [91]	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods		industry partner, benchmark	0							1027	1201
Bonfietti16 Bonfietti16 [96]	A constraint programming scheduling solver for the MPOpt programming environment		benchmark	10							1028	1203
BridiBLMB16 BridiBLMB16 [110]	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines		real-world, real-life	0							1029	1207
DoulabiRP16 DoulabiRP16 [163]	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling		real-world, generated instance	3							1030	1221
HamC16 HamC16 [232]	Flexible job shop scheduling problem with parallel batch processing machines: MIP and CP approaches		benchmark	2							1031	1242
HebrardHJMPV16 HebrardHJMPV16 [239]	Approximation of the parallel machine scheduling problem with additional unit resources		industrial partner	0							1032	1246
KuB16 KuB16 [310]	Mixed Integer Programming models for job shop scheduling: A computational analysis		benchmark	4							1033	1273
NovaraNH16 NovaraNH16 [398]	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation		CSPlib, benchmark	5							1034	1304
TranAB16 TranAB16 [506]	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups		benchmark	0							1035	1348
ZarandiKS16 ZarandiKS16 [559]	A constraint programming model for the scheduling of JIT cross-docking systems with preemption		real-world	0							1036	1365
BajestaniB15 BajestaniB15 [35]	A two-stage coupled algorithm for an integrated maintenance planning and flowshop scheduling problem with deteriorating machines		real-world	0							1037	1176
EvenSH15a EvenSH15a [172]	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling		real-world, real-life	2							1038	1223
GoelSHFS15 GoelSHFS15 [211]	Constraint programming for LNG ship scheduling and inventory management			0							1039	1233
GrimesH15 GrimesH15 [219]	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search		real-world, benchmark	0							1040	1236
Kameugne15 Kameugne15 [280]	Propagation techniques of resource constraint for cumulative scheduling	-		2	-		-	PhDThesis	RCPSP		1041	1261
LetortCB15 LetortCB15 [328]	Synchronized sweep algorithms for scalable scheduling constraints	Choco SICStus	generated instance, Roadef, benchmark, random instance	4	dead		-	[327]	-	cumulative dimCumulative dimCumulativePr	1042	1279
NattafAL15 NattafAL15 [390]	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Cplex	generated instance	1	n		n		CSCSP		1043	1301
Siala15 Siala15 [466]	Search, propagation, and learning in sequencing and scheduling problems	-	benchmark	2	-		-	PhD Thesis			1044	1333
SimoninAHL15 SimoninAHL15 [470]	Scheduling scientific experiments for comet exploration	MOST Ilog Scheduler		0	n		n	[469]		cumulative dataTransfer	1045	1334
WangMD15 WangMD15 [540]	Scheduling operating theatres: Mixed integer programming vs. constraint programming		real-life, real-world	2							1046	1357
BlomBPS14 BlomBPS14 [90]	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines		benchmark, industry partner	0							1047	1200

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BonfiettiLBM14 BonfiettiLBM14 [99]	CROSS cyclic resource-constrained scheduling solver		real-world, generated instance, industrial instance, benchmark	0							1048	1204
GrimesIOS14 GrimesIOS14 [221]	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling		real-world, real-life	9							1049	1237
KameugneFSN14 KameugneFSN14 [284]	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Gecode	random instance, benchmark	2	y			[283]	CuSP	cumulative	1050	1262
NovasH14 NovasH14 [402]	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming		benchmark	0							1051	1308
TerekhovTDB14 TerekhovTDB14 [494]	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems		real-world	0							1052	1343
ThiruvadyWGS14 ThiruvadyWGS14 [498]	A Lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows		benchmark	0							1053	1344
BajestaniB13 BajestaniB13 [34]	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources			0							1054	1175
BegB13 BegB13 [67]	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures		benchmark	0							1055	1190
HeinzSB13 HeinzSB13 [247]	Using dual presolving reductions to reformulate cumulative constraints	Cplex SCIP	benchmark	1	ref		-	-	RCPSP RCPSP/max	cumulative	1056	1249
OzturkTHO13 OzturkTHO13 [411]	Balancing and scheduling of flexible mixed model assembly lines	Ilog Solver Ilog Scheduler Cplex	real-world, real-life	2	y		-	-	SBSFMMAL	alldifferent disjunctive	1057	1311
SchuttFSW13 SchuttFSW13 [456]	Solving RCPSP/max by lazy clause generation		benchmark, supplementary material	6							1058	1330
HeinzSSW12 HeinzSSW12 [245]	Solving steel mill slab design problems		real-world, CSPlib	2	Cplex		dead	-	SMSDP	-	1059	1250
LimtanyakulS12 LimtanyakulS12 [335]	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		-	-			1060	1281
LombardiM12 LombardiM12 [347]	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	-	real-world, benchmark	0	-		-	-	survey	-	1061	1283
LombardiM12a LombardiM12a [346]	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling		benchmark	1							1062	1284
NovasH12 NovasH12 [401]	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations			0							1063	1307
TerekhovDOB12 TerekhovDOB12 [493]	Solving two-machine assembly scheduling problems with inventory constraints		real-life	2							1064	1342
BandaSC11 BandaSC11 [148]	Solving Talent Scheduling with Dynamic Programming		random instance, benchmark, CSPlib	0							1065	1177
BartakS11 BartakS11 [49]	Constraint satisfaction for planning and scheduling problems	-	random instance, real-world, real-life	2	-		-		survey		1066	1181

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BeckFW11 BeckFW11 [58]	Combining Constraint Programming and Local Search for Job-Shop Scheduling		real-world, benchmark	0							1067	1186
BeldiceanuCDP11 BeldiceanuCDP11 [72]	New filtering for the *cumulative* constraint in the context of non-overlapping rectangles		benchmark	1							1068	1192
BeniniLMR11 BeniniLMR11 [81]	Optimal resource allocation and scheduling for the CELL BE platform		benchmark, real-world, instance generator	0							1069	1196
HachemiGR11 HachemiGR11 [229]	A hybrid constraint programming approach to the log-truck scheduling problem			1							1070	1240
HeckmanB11 HeckmanB11 [242]	Understanding the behavior of Solution-Guided Search for job-shop scheduling		benchmark, real-world	0							1071	1247
KelbelH11 KelbelH11 [287]	Solving production scheduling with earliness/tardiness penalties by constraint programming		benchmark, random instance, generated instance	3							1072	1263
KovacsB11 KovacsB11 [301]	A global constraint for total weighted completion time for unary resources	Ilog Scheduler	benchmark	2	n		n	-		Completion	1073	1269
KovacsK11 KovacsK11 [303]	Constraint programming approach to a bilevel scheduling problem	Ilog Solver		2	n		n	-	Bilevel Opt		1074	1270
SchausHMCMD11 SchausHMCMD11 [448]	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Comet	benchmark, CSPlib, generated instance	3	dead				SMSDP		1075	1327
SchuttFSW11 SchuttFSW11 [455]	Explaining the cumulative propagator	MiniZinc	benchmark, real-world	7	PSPLib		-	-	RCPSP	cumulative	1076	1329
TopalogluO11 TopalogluO11 [502]	A constraint programming-based solution approach for medical resident scheduling problems		real-life	2							1077	1346
TrojetHL11 TrojetHL11 [514]	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework		real-world	2							1078	1351
BartakCS10 BartakCS10 [48]	Discovering implied constraints in precedence graphs with alternatives		benchmark, real-life, real-world	3							1079	1180
BartakSR10 BartakSR10 [50]	New trends in constraint satisfaction, planning, and scheduling: a survey		real-life, real-world	0							1080	1182
HartmannB10 HartmannB10 [235]	A survey of variants and extensions of the resource-constrained project scheduling problem		instance generator, benchmark, real-world	3							1081	1245
LombardiM10a LombardiM10a [344]	Allocation and scheduling of Conditional Task Graphs		real-world, benchmark, real-life	3							1082	1282
LopesCSM10 LopesCSM10 [349]	A hybrid model for a multiproduct pipeline planning and scheduling problem	Ilog Solver	benchmark, real-world	2	-		-	[381, 380]			1083	1285
NovasH10 NovasH10 [400]	Reactive scheduling framework based on domain knowledge and constraint programming			0							1084	1306
ZeballosQH10 ZeballosQH10 [562]	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations		benchmark, real-world	4							1085	1367
abs-1009-0347 abs-1009-0347 [454]	Solving the Resource Constrained Project Scheduling Problem with Generalized Precedences by Lazy Clause Generation		benchmark, instance generator	0							1086	1373
BidotVLB09 BidotVLB09 [85]	A theoretic and practical framework for scheduling in a stochastic environment		real-world, real-life	0							1087	1198

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
BocewiczBB09 BocewiczBB09 [92]	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling			0							1088	1202
GarridoAO09 GarridoAO09 [191]	A constraint programming formulation for planning: from plan scheduling to plan generation		benchmark	8							1089	1230
Jans09 Jans09 [273]	Solving Lot-Sizing Problems on Parallel Identical Machines Using Symmetry-Breaking Constraints		benchmark	27							1090	1260
OhrimenkoSC09 OhrimenkoSC09 [406]	Propagation via lazy clause generation		benchmark	8							1091	1310
RuggieroBBMA09 RuggieroBBMA09 [443]	Reducing the Abstraction and Optimality Gaps in the Allocation and Scheduling for Variable Voltage/Frequency MPSoC Platforms		instance generator, real-life	0							1092	1323
WuBB09 WuBB09 [550]	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints		real-world	0							1093	1359
abs-0907-0939 abs-0907-0939 [421]	The Soft Cumulative Constraint		real-world	0							1094	1372
GarridoOS08 GarridoOS08 [192]	Planning and scheduling in an e-learning environment. A constraint-programming-based approach		real-world	0							1095	1231
KovacsB08 KovacsB08 [300]	A global constraint for total weighted completion time for cumulative resources		benchmark	0							1096	1268
LiessM08 LiessM08 [330]	A constraint programming approach for the resource-constrained project scheduling problem		benchmark	0							1097	1280
MalikMB08 MalikMB08 [363]	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming		benchmark	0							1098	1289
MercierH08 MercierH08 [371]	Edge Finding for Cumulative Scheduling			0							1099	1294
Beck07 Beck07 [56]	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling		benchmark	0							1100	1183
BeckW07 BeckW07 [65]	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations		benchmark	0							1101	1188
Hooker07 Hooker07 [261]	Planning and Scheduling by Logic-Based Benders Decomposition		random instance, generated instance	0							1102	1254
Rodriguez07 Rodriguez07 [441]	A constraint programming model for real-time train scheduling at junctions		real-life	2							1103	1321
Simonis07 Simonis07 [474]	Models for Global Constraint Applications	CHIP		0	n		n			cumulative diffn cycle inverse	1104	1335
Hooker06 Hooker06 [260]	An Integrated Method for Planning and Scheduling to Minimize Tardiness	OPL Cplex Ilog Scheduler	random instance	2	n		n	[259]	CuSP	cumulative	1105	1253
KhayatLR06 KhayatLR06 [289]	Integrated production and material handling scheduling using mathematical programming and constraint programming		real-life, benchmark	1							1106	1264
SadykovW06 SadykovW06 [446]	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates		generated instance	1							1107	1325
SureshMOK06 SureshMOK06 [482]	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach			0							1108	1339

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
Hooker05 Hooker05 [258]	A Hybrid Method for the Planning and Scheduling	OPL Cplex Ilog Scheduler	random instance	0	n		n	[257]	CuSP	cumulative	1109	1252
VilimBC05 VilimBC05 [531]	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities		benchmark, real-life	0	n		n	[530]	JSSP	disjunctive	1110	1353
ZeballosH05 ZeballosH05 [561]	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources			0							1111	1366
PoderBS04 PoderBS04 [423]	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption			0							1112	1314
BeckR03 BeckR03 [62]	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs		benchmark	0							1113	1187
HookerO03 HookerO03 [264]	Logic-based Benders decomposition		generated instance	0							1114	1256
KuchcinskiW03 KuchcinskiW03 [311]	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming		benchmark	0							1115	1274
Laborie03 Laborie03 [314]	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results		benchmark	0							1116	1275
Tsang03 Tsang03 [515]	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems		real-life	0							1117	1352
HarjunkoskiG02 HarjunkoskiG02 [234]	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods			0							1118	1244
LorigeonBB02 LorigeonBB02 [351]	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint			0							1119	1287
RodriguezDG02 RodriguezDG02 [440]	Railway infrastructure saturation using constraint programming approach			0							1120	1322
Timpe02 Timpe02 [500]	Solving planning and scheduling problems with combined integer and constraint programming			0							1121	1345
JainG01 JainG01 [272]	Algorithms for Hybrid MILP/CP Models for a Class of Optimization Problems			0							1122	1259
MartinPY01 MartinPY01 [365]	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application		real-life	0							1123	1290
Mason01 Mason01 [366]	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling			0							1124	1291
ArtiguesR00 ArtiguesR00 [25]	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes			0							1125	1172
BaptisteP00 BaptisteP00 [41]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	CLAIRE	benchmark	0	n		n		RCCSP	cumulative	1126	1179
BeckF00 BeckF00 [60]	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics		real-world, benchmark	0							1127	1184
HeipckeCCS00 HeipckeCCS00 [250]	Scheduling under Labour Resource Constraints	COME SchedEns	benchmark, instance generator	0	dead		n	-			1128	1251
KorbaaYG00 KorbaaYG00 [297]	Solving Transient Scheduling Problems with Constraint Programming			0							1129	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
LopezAKYG00 LopezAKYG00 [350]	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina			0							1130	1286
SakkoutW00 SakkoutW00 [447]	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Cplex ECLiPSe	benchmark, real-world	0	n		n	-	KRFP		1131	1326
SchildW00 SchildW00 [449]	Scheduling of Time-Triggered Real-Time Systems	OZ		0	n		n	-		disjunctive	1132	1328
SimonisCK00 SimonisCK00 [475]	Constraint Handling in an Integrated Transportation Problem			0							1133	1336
SourdN00 SourdN00 [477]	Multiple-Machine Lower Bounds for Shop-Scheduling Problems		real-life, benchmark	1							1134	1337
TorresL00 TorresL00 [503]	On Not-First/Not-Last conditions in disjunctive scheduling		benchmark	0							1135	1347
BensanaLV99 BensanaLV99 [82]	Earth Observation Satellite Management	Ilog Solver	benchmark	0	?		-	-			1136	1197
BruckerDMNP99 BruckerDMNP99 [112]	Resource-constrained project scheduling: Notation, classification, models, and methods		benchmark, real-world, real-life	0							1137	1208
BeckF98 BeckF98 [59]	A Generic Framework for Constraint-Directed Search and Scheduling		real-world, benchmark	0							1138	1185
BelhadjiI98 BelhadjiI98 [75]	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	-	real-life	0	n		n	-	TCSP JSSP		1139	1193
NuijtenP98 NuijtenP98 [404]	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler		real-life	0							1140	1309
PapaB98 PapaB98 [415]	Resource Constraints for Preemptive Job-shop Scheduling	Ilog Solver Claire	benchmark	0	dead		-	-	PJSSP	disjunctive flow	1141	1313
Darby-DowmanLMZ97 Darby-DowmanLMZ97 [141]	Constraint Logic Programming and Integer Programming Approaches and Their Collaboration in Solving an Assignment Scheduling Problem	Cplex ECLiPSe	real-life, real-world, benchmark	0	n		n	-	MGAP		1142	1218
FalaschiGMP97 FalaschiGMP97 [174]	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators			0							1143	1225
KolischS97 KolischS97 [295]	PSPLIB - A project scheduling problem library		benchmark	0							1144	1266
LammaMM97 LammaMM97 [321]	A distributed constraint-based scheduler		real-life	0							1145	1278
Zhou97 Zhou97 [569]	A Permutation-Based Approach for Solving the Job-Shop Problem	-	benchmark	0	n		n	[568]	JSSP	sort alldifferent permutation	1146	1370
Wallace96 Wallace96 [536]	Practical Applications of Constraint Programming	-		0	-		-	-	Survey	-	1147	1355
BeldiceanuC94 BeldiceanuC94 [70]	Introducing Global Constraints in CHIP		real-world, real-life, benchmark	0							1148	1191
CarlierP94 CarlierP94 [122]	Adjustment of heads and tails for the job-shop problem			0							1149	1213
Pape94 Pape94 [413]	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems			0							1150	No
AggounB93 AggounB93 [7]	Extending CHIP in order to solve complex scheduling and placement problems		real-world	0							1151	1167
Taillard93 Taillard93 [485]	Benchmarks for basic scheduling problems		benchmark	0							1152	1340
Tay92 Tay92 [491]	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling			0							1153	No

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
ApplegateC91 ApplegateC91 [18]	A Computational Study of the Job-Shop Scheduling Problem			0							1154	1171
DechterMP91 DechterMP91 [149]	Temporal constraint networks			0							1155	1219
CarlierP90 CarlierP90 [121]	A practical use of Jackson's preemptive schedule for solving the job shop problem		benchmark	0							1156	1212
DincbasSH90 DincbasSH90 [160]	Solving Large Combinatorial Problems in Logic Programming		real-life	0							1157	1220
CarlierP89 CarlierP89 [120]	An Algorithm for Solving the Job-Shop Problem			0							1158	1211
AdamsBZ88 AdamsBZ88 [6]	The Shifting Bottleneck Procedure for Job Shop Scheduling			0							1159	1166
BlazewiczLK83 BlazewiczLK83 [89]	Scheduling subject to resource constraints: classification and complexity			0							1160	1199
Benders62 Benders62 [77]	Partitioning procedures for solving mixed-variables programming problems			0							1161	1194

4 Authors

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
J. Christopher Beck	46	623	LuoB22 [356], ZhangBB22 [564], TangB20 [486], TranPZLDB18 [509], TranVNB17 [511], TranVNB17a [512], CohenHB17 [134], BoothNB16 [104], KuB16 [310], TranAB16 [506], TranWDRFOVB16 [513], LuoVLBM16 [355], TranDRFWOVB16 [508], BajestaniB15 [35], KoschB14 [298], TerekhovTDB14 [494], LouieVNB14 [352], HeinzSB13 [247], HeinzKB13 [244], BajestaniB13 [34], TranTDB13 [510], HeinzB12 [243], TerekhovDOB12 [493], TranB12 [507], KovacsB11 [301], BeckFW11 [58], HeckmanB11 [242], BajestaniB11 [33], WuBB09 [550], BidotVLB09 [85], WatsonB08 [542], KovacsB08 [300], BeckW07 [65], Beck07 [56], KovacsB07 [299], Beck06 [55], CarchraeBF05 [119], WuBB05 [549], BeckW05 [64], BeckW04 [63], BeckR03 [62], BeckPS03 [61], BeckF00 [60], Beck99 [54], BeckF98 [59], BeckDF97 [57]
Andreas Schutt	26	317	YangSS19 [551], KreterSSZ18 [309], GoldwaserS18 [214], MusliuSS18 [386], KreterSS17 [308], YoungFS17 [553], GoldwaserS17 [213], SchuttS16 [458], SzerediS16 [484], KreterSS15 [307], EvenSH15 [171], EvenSH15a [172], SchuttFSW15 [457], ThiruvadyWGS14 [498], SchuttFS13 [452], SchuttFS13a [451], GuSS13 [226], SchuttFSW13 [456], ChuGNSW13 [129], SchuttCSW12 [450], SchuttFSW11 [455], Schutt11 [**?**], SchuttW10 [459], abs-1009-0347 [454], SchuttFSW09 [453], SchuttWS05 [460]
Peter J. Stuckey	24	792	YangSS19 [551], DemirovicS18 [154], KreterSSZ18 [309], MusliuSS18 [386], KreterSS17 [308], SchuttS16 [458], BlomPS16 [91], KreterSS15 [307], BurtLPS15 [114], SchuttFSW15 [457], BlomBPS14 [90], LipovetzkyBPS14 [336], SchuttFS13 [452], SchuttFS13a [451], GuSS13 [226], SchuttFSW13 [456], SchuttCSW12 [450], GuSW12 [227], SchuttFSW11 [455], BandaSC11 [148], abs-1009-0347 [454], SchuttFSW09 [453], OhrimenkoSC09 [406], NethercoteSBBDT07 [393]
Michela Milano	24	172	BorghesiBLMB18 [105], BonfiettiZLM16 [103], BridiBLMB16 [110], BridiLBBM16 [111], LombardiBM15 [341], BartoliniBBLM14 [52], BonfiettiLM14 [101], BonfiettiLBM14 [99], BonfiettiLM13 [100], LombardiM13 [348], LombardiM12 [347], BonfiettiLBM12 [98], LombardiM12a [346], BonfiettiM12 [102], BonfiettiLBM11 [97], LombardiBMB11 [342], BeniniLMR11 [81], LombardiM10 [345], LombardiM10a [344], LombardiM09 [343], RuggieroBBMA09 [443], BeniniBGM06 [80], LammaMM97 [321], BrusoniCLMMT96 [113]
Michele Lombardi	22	135	BorghesiBLMB18 [105], CauwelaertLS18 [125], BonfiettiZLM16 [103], BridiBLMB16 [110], BridiLBBM16 [111], LombardiBM15 [341], BartoliniBBLM14 [52], BonfiettiLM14 [101], BonfiettiLBM14 [99], BonfiettiLM13 [100], LombardiM13 [348], LombardiM12 [347], BonfiettiLBM12 [98], LombardiM12a [346], BonfiettiLBM11 [97], LombardiBMB11 [342], BeniniLMR11 [81], LombardiM10 [345], LombardiM10a [344], Lombardi10 [340], LombardiM09 [343], HoeveGSL07 [520]
Emmanuel Hebrard	17	71	JuvinHHL23 [277], HebrardALLCMR22 [238], AntuoriHHEN21 [17], ArtiguesHQT21 [24], GodetLHS20 [210], AntuoriHHEN20 [16], HebrardHJMPV16 [239], SimoninAHL15 [470], SialaAH15 [468], GrimesH15 [219], BessiereHMQW14 [84], SimoninAHL12 [469], BillautHL12 [86], GrimesH11 [218], GrimesH10 [217], GrimesHM09 [220], HebrardTW05 [240]
John N. Hooker	14	895	Hooker19 [263], HookerH18 [265], Hooker17 [262], HechingH16 [241], CireCH13 [131], CobanH10 [133], Hooker07 [261], Hooker06 [260], Hooker05 [258], Hooker05a [259], Hooker04 [257], HookerO03 [264], HookerY02 [266], Hooker00 [256]
Helmut Simonis	14	151	ArmstrongGOS22 [21], ArmstrongGOS21 [20], AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14], HurleyOS16 [269], GrimesIOS14 [221], IfrimOS12 [270], Simonis07 [474], SimonisCK00 [475], Simonis99 [473], SimonisC95 [476], Simonis95 [472], Simonis95a [471], DincbasSH90 [160]
Nicolas Beldiceanu	13	274	Madi-WambaLOBM17 [358], Madi-WambaB16 [357], LetortCB15 [328], LetortCB13 [327], LetortBC12 [326], ClercqPBJ11 [132], BeldiceanuCDP11 [72], BeldiceanuCP08 [73], PoderB08 [422], BeldiceanuP07 [74], PoderBS04 [423], BeldiceanuC02 [71], AggounB93 [7]
Pierre Lopez	13	75	JuvinHHL23 [277], JuvinHL23 [278], HebrardALLCMR22 [238], Polo-MejiaALB20 [425], NattafAL17 [391], SimoninAHL15 [470], NattafAL15 [390], SimoninAHL12 [469], BillautHL12 [86], LahimerLH11 [320], TrojetHL11 [514], LopezAKYG00 [350], TorresL00 [503]
Christian Artigues	12	142	PovedaAA23 [428], PohlAK22 [424], HebrardALLCMR22 [238], ArtiguesHQT21 [24], Polo-MejiaALB20 [425], NattafAL17 [391], SimoninAHL15 [470], NattafAL15 [390], SialaAH15 [468], SimoninAHL12 [469], ArtiguesBF04 [23], ArtiguesR00 [25]
Pierre Schaus	12	79	CauwelaertDS20 [126], CappartTSR18 [118], CauwelaertLS18 [125], CappartS17 [117], CauwelaertDMS16 [124], DejemeppeCS15 [151], GayHLS15 [193], GayHS15 [194], GayHS15a [195], HoundjiSWD14 [267], GaySS14 [196], SchausHMCMD11 [448]
Roman Barták	11	88	SvancaraB22 [483], JelinekB16 [274], BartakV15 [51], Bartak14 [47], BartakS11 [49], BartakCS10 [48], BartakSR10 [50], VilimBC05 [531], VilimBC04 [530], Bartak02 [46], Bartak02a [45]
Philippe Laborie	11	510	LunardiBLRV20 [353], LaborieRSV18 [317], Laborie18a [316], MelgarejoLS15 [8], VilimLS15 [532], Laborie09 [315], BidotVLB09 [85], BaptisteLPN06 [39], GodardLN05 [208], Laborie03 [314], FocacciLN00 [180]
Petr Vilím	11	313	LaborieRSV18 [317], VilimLS15 [532], Vilim11 [529], Vilim09 [527], Vilim09a [528], VilimBC05 [531], Vilim05 [526], VilimBC04 [530], Vilim04 [525], Vilim03 [524], Vilim02 [523]
Philippe Baptiste	10	400	BaptisteB18 [38], Baptiste09 [37], BaptisteLPN06 [39], ArtiouchineB05 [26], Baptiste02 [36], BaptistePN01 [42], BaptisteP00 [41], PapaB98 [415], BaptisteP97 [40], PapeB97 [414]
Luca Benini	10	87	BorghesiBLMB18 [105], BridiBLMB16 [110], BridiLBBM16 [111], BonfiettiLBM14 [99], BonfiettiLBM12 [98], BonfiettiLBM11 [97], LombardiBMB11 [342], BeniniLMR11 [81], RuggieroBBMA09 [443], BeniniBGM06 [80]
Alessio Bonfietti	10	17	BonfiettiZLM16 [103], Bonfietti16 [96], LombardiBM15 [341], BonfiettiLM14 [101], BonfiettiLBM14 [99], BonfiettiLM13 [100], BonfiettiLBM12 [98], BonfiettiM12 [102], BonfiettiLBM11 [97], LombardiBMB11 [342]
Pascal Van Hentenryck	10	164	FontaineMH16 [181], EvenSH15 [171], EvenSH15a [172], SchausHMCMD11 [448], MonetteDH09 [376], DoomsH08 [161], HentenryckM08 [252], MercierH08 [371], HentenryckM04 [251], DincbasSH90 [160]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Nysret Musliu	9	14	LacknerMMWW23 [319], WinterMMW22 [545], LacknerMMWW21 [318], GeibingerKKMMW21 [198], GeibingerMM21 [201], GeibingerMM19 [200], abs-1911-04766 [199], MusliuSS18 [386], KletzanderM17 [293]
Claude-Guy Quimper	9	25	BoudreaultSLQ22 [107], OuelletQ22 [409], Mercier-AubinGQ20 [372], FahimiOQ18 [173], KameugneFGOQ18 [281], OuelletQ18 [408], GingrasQ16 [207], BessiereHMQW14 [84], OuelletQ13 [407]
Tony T. Tran	9	108	TranPZLDB18 [509], TranVNB17 [511], TranVNB17a [512], TranAB16 [506], TranWDRFOVB16 [513], TranDRFWOVB16 [508], TerekhovTDB14 [494], TranTDB13 [510], TranB12 [507]
Mats Carlsson	8	80	WessenCS20 [543], MossigeGSMC17 [379], LetortCB15 [328], LetortCB13 [327], LetortBC12 [326], BeldiceanuCDP11 [72], BeldiceanuCP08 [73], BeldiceanuC02 [71]
Thibaut Feydy	8	173	YoungFS17 [553], SchuttFSW15 [457], SchuttFS13 [452], SchuttFS13a [451], SchuttFSW13 [456], SchuttFSW11 [455], abs-1009-0347 [454], SchuttFSW09 [453]
Claude Le Pape	8	534	BaptisteLPN06 [39], BaptistePN01 [42], BaptisteP00 [41], PapaB98 [415], NuijtenP98 [404], BaptisteP97 [40], PapeB97 [414], Pape94 [413]
Mark Wallace	8	243	WallaceY20 [537], He0GLW18 [237], ThiruvadyWGS14 [498], SchuttFSW09 [453], SakkoutW00 [447], RodosekW98 [439], Wallace96 [536], Wallace94 [535]
Diarmuid Grimes	7	52	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14], GrimesH15 [219], GrimesIOS14 [221], GrimesH11 [218], GrimesH10 [217], GrimesHM09 [220]
Zdenek Hanzálek	7	27	Mehdizadeh-Somarin23 [367], abs-2305-19888 [249], HeinzNVH22 [248], VlkHT21 [534], BenediktMH20 [78], BenediktSMVH18 [79], KelbelH11 [287]
András Kovács	7	21	KovacsB11 [301], KovacsK11 [303], KovacsB08 [300], KovacsB07 [299], KovacsV06 [305], KovacsEKV05 [302], KovacsV04 [304]
Barry O'Sullivan	7	14	ArmstrongGOS22 [21], ArmstrongGOS21 [20], AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14], HurleyOS16 [269], GrimesIOS14 [221], IfrimOS12 [270]
Gabriela P. Henning	7	153	NovaraNH16 [398], NovasH14 [402], NovasH12 [401], NovasH10 [400], ZeballosQH10 [562], ZeballosH05 [561], QuirogaZH05 [436]
Mark G. Wallace	6	126	SchuttFSW15 [457], SchuttFSW13 [456], SchuttCSW12 [450], GuSW12 [227], SchuttFSW11 [455], abs-1009-0347 [454]
Stefan Heinz	6	67	HeinzSB13 [247], HeinzKB13 [244], HeinzSSW12 [245], HeinzB12 [243], HeinzS11 [246], BertholdHLMS10 [83]
Roger Kameugne	6	14	KameugneFND23 [282], KameugneFGOQ18 [281], Kameugne15 [280], KameugneFSN14 [284], Kameugne14 [?], KameugneFSN11 [283]
Wim Nuijten	6	375	BaptisteLPN06 [39], GodardLN05 [208], BaptistePN01 [42], SourdN00 [477], FocacciLN00 [180], NuijtenP98 [404]
Emmanuel Poder	6	27	BeldiceanuCDP11 [72], abs-0907-0939 [421], BeldiceanuCP08 [73], PoderB08 [422], BeldiceanuP07 [74], PoderBS04 [423]
Louis-Martin Rousseau	6	103	CappartTSR18 [118], DoulabiRP16 [163], PesantRR15 [420], DoulabiRP14 [162], ChapadosJR11 [128], HachemiGR11 [229]
Cyrille Dejemeppe	5	8	CauwelaertDS20 [126], CauwelaertDMS16 [124], Dejemeppe16 [150], DejemeppeCS15 [151], DejemeppeD14 [152]
Yves Deville	5	19	HoundjiSWD14 [267], DejemeppeD14 [152], SchausHMCMD11 [448], MonetteDH09 [376], MonetteDD07 [375]
Juan M. Novas	5	148	Novas19 [399], NovaraNH16 [398], NovasH14 [402], NovasH12 [401], NovasH10 [400]
Kenneth N. Brown	5	44	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14], MurphyMB15 [384], WuBB09 [550], WuBB05 [549]
Margaux Nattaf	5	20	NattafM20 [392], MalapertN19 [361], NattafAL17 [391], Nattaf16 [389], NattafAL15 [390]
Mohamed Siala	5	9	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14], Siala15 [466], SialaAH15 [468], Siala15a [467]
Marek Vlk	5	14	abs-2305-19888 [249], HeinzNVH22 [248], VlkHT21 [534], BenediktSMVH18 [79], BartakV15 [51]
Nic Wilson	5	28	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14], BeckW07 [65], BeckW05 [64], BeckW04 [63]
Armin Wolf	5	36	GeitzGSSW22 [202], SchuttW10 [459], WolfS05 [547], SchuttWS05 [460], Wolf03 [546]
André A. Ciré	4	50	CireCH13 [131], LopesCSM10 [349], MouraSCL08 [381], MouraSCL08a [380]
Andrea Bartolini	4	40	BorghesiBLMB18 [105], BridiBLMB16 [110], BridiLBBM16 [111], BartoliniBBLM14 [52]
Steven Gay	4	42	GayHLS15 [193], GayHS15 [194], GayHS15a [195], GaySS14 [196]
Tobias Geibinger	4	6	GeibingerKKMMW21 [198], GeibingerMM21 [201], GeibingerMM19 [200], abs-1911-04766 [199]
Arnaud Letort	4	23	LetortCB15 [328], LetortCB13 [327], Letort13 [325], LetortBC12 [326]
Arnaud Malapert	4	16	NattafM20 [392], MalapertN19 [361], Malapert11 [360], GrimesHM09 [220]
Laurent Michel	4	39	TardivoDFMP23 [488], SchausHMCMD11 [448], HentenryckM08 [252], HentenryckM04 [251]
Florian Mischek	4	6	GeibingerKKMMW21 [198], GeibingerMM21 [201], GeibingerMM19 [200], abs-1911-04766 [199]
Jean-Noël Monette	4	15	CauwelaertDMS16 [124], SchausHMCMD11 [448], MonetteDH09 [376], MonetteDD07 [375]
Goldie Nejat	4	50	TranVNB17 [511], TranVNB17a [512], BoothNB16 [104], LouieVNB14 [352]
Yanick Ouellet	4	10	OuelletQ22 [409], FahimiOQ18 [173], KameugneFGOQ18 [281], OuelletQ18 [408]
Gilles Pesant	4	60	AalianPG23 [1], DoulabiRP16 [163], PesantRR15 [420], DoulabiRP14 [162]
Thierry Petit	4	20	DerrienP14 [156], DerrienPZ14 [157], ClercqPBJ11 [132], abs-0907-0939 [421]
Cédric Pralet	4	10	SquillaciPR23 [478], Pralet17 [429], HebrardHJMPV16 [239], PraletLJ15 [430]
Adrian R. Pearce	4	35	BlomPS16 [91], BurtLPS15 [114], BlomBPS14 [90], LipovetzkyBPS14 [336]
Dhananjay R. Thiruvady	4	32	abs-2402-00459 [394], abs-2211-14492 [480], ThiruvadyWGS14 [498], ThiruvadyBME09 [497]
Christine Solnon	4	20	GroleazNS20 [224], GroleazNS20a [223], SacramentoSP20 [444], MelgarejoLS15 [8]
József Váncza	4	9	KovacsV06 [305], KovacsEKV05 [302], KovacsV04 [304], VanczaM01 [521]
Toby Walsh	4	2	GelainPRVW17 [203], BessiereHMQW14 [84], ChuGNSW13 [129], HebrardTW05 [240]
Felix Winter	4	0	LacknerMMWW23 [319], WinterMMW22 [545], LacknerMMWW21 [318], GeibingerKKMMW21 [198]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Francisco Yuraszeck	4	25	YuraszeckMCCR23 [557], YuraszeckMC23 [555], YuraszeckMPV22 [556], MejiaY20 [368]
Max Åstrand	4	27	Astrand0F21 [28], Astrand21 [27], AstrandJZ20 [30], AstrandJZ18 [29]
Miguel A. Salido	3	45	BartakS11 [49], BartakSR10 [50], AbrilSB05 [4]
Bruno A. Prata	3	1	PrataAN23 [431], AbreuNP23 [146], AbreuPNF23 [3]
Maliheh Aramon Bajestani	3	31	BajestaniB15 [35], BajestaniB13 [34], BajestaniB11 [33]
Sévérine Betmbe Fetgo	3	1	KameugneFND23 [282], FetgoD22 [179], KameugneFGOQ18 [281]
Miquel Bofill	3	11	BofillCSV17 [93], BofillGSV15 [95], BofillEGPSV14 [94]
Thomas Bridi	3	29	BridiBLMB16 [110], BridiLBBM16 [111], BartoliniBBLM14 [52]
Cid C. de Souza	3	21	MouraSCL08 [381], MouraSCL08a [380], HeipckeCCS00 [250]
Quentin Cappart	3	8	PopovicCGNC22 [426], CappartTSR18 [118], CappartS17 [117]
Jacques Carlier	3	779	CarlierP94 [122], CarlierP90 [121], CarlierP89 [120]
Ondrej Cepek	3	36	BartakCS10 [48], VilimBC05 [531], VilimBC04 [530]
Erich Christian Teppan	3	11	Teppan22 [492], ColT22 [137], ColT19 [136]
Geoffrey Chu	3	42	ChuGNSW13 [129], SchuttCSW12 [450], BandaSC11 [148]
Giacomo Da Col	3	11	ColT22 [137], abs-2102-08778 [135], ColT19 [136]
Sophie Demassey	3	36	HermenierDL11 [253], BeldiceanuCDP11 [72], Demassey03 [153]
Alban Derrien	3	17	Derrien15 [155], DerrienP14 [156], DerrienPZ14 [157]
Ignacio E. Grossmann	3	463	MaraveliasG04 [364], HarjunkoskiG02 [234], JainG01 [272]
Abdallah Elkhyari	3	10	Elkhyari03 [166], ElkhyariGJ02 [167], ElkhyariGJ02a [168]
Jeremy Frank	3	7	TranWDRFOVB16 [513], TranDRFWOVB16 [508], FrankK05 [183]
Douglas G. Down	3	20	TranPZLDB18 [509], TerekhovTDB14 [494], TranTDB13 [510]
Michele Garraffa	3	1	AlfieriGPS23 [11], ArmstrongGOS22 [21], ArmstrongGOS21 [20]
Martin Gebser	3	0	TasselGS23 [489], abs-2306-05747 [490], KovacsTKSG21 [306]
Jean-Claude Gentina	3	8	KorbaaYG00 [297], LopezAKYG00 [350], KorbaaYG99 [296]
Lucas Groleaz	3	4	Groleaz21 [222], GroleazNS20 [224], GroleazNS20a [223]
Hanyu Gu	3	34	ThiruvadyWGS14 [498], GuSS13 [226], GuSW12 [227]
Renaud Hartert	3	35	GayHLS15 [193], GayHS15 [194], GayHS15a [195]
Brahim Hnich	3	68	GokgurHO18 [212], OzturkTHO13 [411], RossiTHP07 [442]
Marie-José Huguet	3	12	AntuoriHHEN21 [17], AntuoriHHEN20 [16], HebrardHJMPV16 [239]
Andrew J. Davenport	3	13	Davenport10 [142], DavenportKRSH07 [143], BeckDF97 [57]
Willem Jan van Hoeve	3	12	HookerH18 [265], HoeveGSL07 [520], GomesHS06 [216]
Mikael Johansson	3	27	Astrand0F21 [28], AstrandJZ20 [30], AstrandJZ18 [29]
Narendra Jussien	3	13	ClercqPBJ11 [132], ElkhyariGJ02 [167], ElkhyariGJ02a [168]
Tamás Kis	3	6	KovacsK11 [303], KeriK07 [288], KovacsEKV05 [302]
Ouajdi Korbaa	3	8	KorbaaYG00 [297], LopezAKYG00 [350], KorbaaYG99 [296]
Stefan Kreter	3	47	KreterSSZ18 [309], KreterSS17 [308], KreterSS15 [307]
Krzysztof Kuchcinski	3	24	WolinskiKG04 [548], KuchcinskiW03 [311], GruianK98 [225]
Tony Minoru Tamura Lopes	3	47	LopesCSM10 [349], MouraSCL08 [381], MouraSCL08a [380]
Christina N. Burt	3	15	BurtLPS15 [114], BlomBPS14 [90], LipovetzkyBPS14 [336]
Hiroki Nishikawa	3	3	NishikawaSTT19 [397], NishikawaSTT18 [395], NishikawaSTT18a [396]
Erwin Pesch	3	1045	MullerMKP22 [382], BlazewiczEP19 [88], BruckerDMNP99 [112]
Eric Pinson	3	779	CarlierP94 [122], CarlierP90 [121], CarlierP89 [120]
Levi Ribeiro de Abreu	3	11	AbreuNP23 [146], AbreuN22 [145], AbreuAPNM21 [144]
Mark S. Fox	3	27	BeckF00 [60], BeckF98 [59], BeckDF97 [57]
Jens Schulz	3	40	HeinzSB13 [247], HeinzS11 [246], BertholdHLMS10 [83]
Marcelo Seido Nagano	3	11	AbreuNP23 [146], AbreuN22 [145], AbreuAPNM21 [144]
Paul Shaw	3	809	LaborieRSV18 [317], VilimLS15 [532], Shaw98 [463]
Kana Shimada	3	3	NishikawaSTT19 [397], NishikawaSTT18 [395], NishikawaSTT18a [396]
Gilles Simonin	3	8	GodetLHS20 [210], SimoninAHL15 [470], SimoninAHL12 [469]
Tiago Stegun Vaquero	3	29	TranVNB17 [511], TranVNB17a [512], LouieVNB14 [352]
Josep Suy	3	11	BofillCSV17 [93], BofillGSV15 [95], BofillEGPSV14 [94]
Ittetsu Taniguchi	3	3	NishikawaSTT19 [397], NishikawaSTT18 [395], NishikawaSTT18a [396]
Pierre Tassel	3	0	TasselGS23 [489], abs-2306-05747 [490], KovacsTKSG21 [306]
Daria Terekhov	3	20	TerekhovTDB14 [494], TranTDB13 [510], TerekhovDOB12 [493]
Hiroyuki Tomiyama	3	3	NishikawaSTT19 [397], NishikawaSTT18 [395], NishikawaSTT18a [396]

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Author	Nr Works	Nr Cites	Entries
Seyda Topaloglu Yildiz	3	20	IsikYA23 [271], YunusogluY22 [554], KucukY19 [313]
Sascha Van Cauwelaert	3	8	CauwelaertLS18 [125], CauwelaertDMS16 [124], DejemeppeCS15 [151]
Gérard Verfaillie	3	119	HebrardHJMPV16 [239], VerfaillieL01 [522], BensanaLV99 [82]
Arnaldo Vieira Moura	3	47	LopesCSM10 [349], MouraSCL08 [381], MouraSCL08a [380]
Mateu Villaret	3	11	BofillCSV17 [93], BofillGSV15 [95], BofillEGPSV14 [94]
Daniel Walkiewicz	3	0	LacknerMMWW23 [319], WinterMMW22 [545], LacknerMMWW21 [318]
Pascal Yim	3	8	KorbaaYG00 [297], LopezAKYG00 [350], KorbaaYG99 [296]
Alessandro Zanarini	3	25	AstrandJZ20 [30], AstrandJZ18 [29], BonfiettiZLM16 [103]
Luis Zeballos	3	35	ZeballosQH10 [562], ZeballosH05 [561], QuirogaZH05 [436]
Laurence A. Wolsey	2	50	HoundjiSWD14 [267], SadykovW06 [446]
Daniel A. Desmond	2	1	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14]
Mark Antunes	2	1	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14]
Valentin Antuori	2	3	AntuoriHHEN21 [17], AntuoriHHEN20 [16]
Vincent Armant	2	1	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14]
Eddie Armstrong	2	1	ArmstrongGOS22 [21], ArmstrongGOS21 [20]
Amelia Badica	2	4	BadicaBI20 [31], BadicaBIL19 [32]
Costin Badica	2	4	BadicaBI20 [31], BadicaBIL19 [32]
Pierre Baptiste	2	13	BoucherBVBL97 [106], BaptisteLV92 [43]
Nicolas Barnier	2	0	WangB23 [539], WangB20 [538]
Ondrej Benedikt	2	3	BenediktMH20 [78], BenediktSMVH18 [79]
Davide Bertozzi	2	27	RuggieroBBMA09 [443], BeniniBGM06 [80]
Jean-Charles Billaut	2	23	BillautHL12 [86], LorigeonBB02 [351]
Jacek Blazewicz	2	985	BlazewiczEP19 [88], BlazewiczLK83 [89]
Andrea Borghesi	2	23	BorghesiBLMB18 [105], BartoliniBBLM14 [52]
Dario Canut-de-Bon	2	1	YuraszeckMCCR23 [557], YuraszeckMC23 [555]
Amedeo Cesta	2	13	OddiPCC03 [405], CestaOS98 [127]
Elvin Coban	2	12	CireCH13 [131], CobanH10 [133]
Jordi Coll Caballero	2	0	Caballero23 [115], Caballero19 [?]
Yves Colombani	2	9	HeipckeCCS00 [250], Colombani96 [138]
Joseph D. Scott	2	13	KameugneFSN14 [284], KameugneFSN11 [283]
Rina Dechter	2	889	FrostD98 [188], DechterMP91 [149]
Mauro Dell'Amico	2	2	MontemanniD23 [378], MontemanniD23a [377]
Minh Do	2	3	TranWDRFOVB16 [513], TranDRFWOVB16 [508]
Hani El Sakkout	2	82	KamarainenS02 [279], SakkoutW00 [447]
Tamer Eren	2	1	GurPAE23 [228], GurEA19 [575]
Guillaume Escamocher	2	1	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14]
Siham Essodaigui	2	3	AntuoriHHEN21 [17], AntuoriHHEN20 [16]
Caroline Even	2	3	EvenSH15 [171], EvenSH15a [172]
Minhaz F. Zibran	2	43	ZibranR11 [572], ZibranR11a [573]
Hamed Fahimi	2	2	FahimiOQ18 [173], Fahimi16 [?]
Azadeh Farsi	2	25	FarsiTM22 [177], MokhtarzadehTNF20 [374]
Dominique Feillet	2	19	Acuna-AgostMFG09 [5], ArtiguesBF04 [23]
Maurizio Gabbrielli	2	10	LiuCGM17 [338], FalaschiGMP97 [174]
Michel Gamache	2	0	AalianPG23 [1], CampeauG22 [116]
Marc Garcia	2	10	BofillGSV15 [95], BofillEGPSV14 [94]
Antonio Garrido	2	27	GarridoAO09 [191], GarridoOS08 [192]
Anne-Marie George	2	1	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14]
Eleanor Gilbert Rieffel	2	3	TranWDRFOVB16 [513], TranDRFWOVB16 [508]
Vincent Gingras	2	1	KameugneFGOQ18 [281], GingrasQ16 [207]
Arthur Godet	2	1	Godet21a [209], GodetLHS20 [210]
Adrian Goldwaser	2	8	GoldwaserS18 [214], GoldwaserS17 [213]
Arnaud Gotlieb	2	9	MossigeGSMC17 [379], AlesioNBG14 [158]
Christelle Guéret	2	10	ElkhyariGJ02 [167], ElkhyariGJ02a [168]
Andy Ham	2	0	HamPK21 [231], Ham18 [230]
Vilém Heinz	2	5	abs-2305-19888 [249], HeinzNVH22 [248]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Seyed Hossein Hashemi Doulabi	2	59	DoulabiRP16 [163], DoulabiRP14 [162]
Laurent Houssin	2	0	JuvinHHL23 [277], JuvinHL23 [278]
Georgiana Ifrim	2	12	GrimesIOS14 [221], IfrimOS12 [270]
Mirjana Ivanovic	2	4	BadicaBI20 [31], BadicaBIL19 [32]
Carla Juvin	2	0	JuvinHHL23 [277], JuvinHL23 [278]
Chanchal K. Roy	2	43	ZibranR11 [572], ZibranR11a [573]
Lucas Kletzander	2	1	GeibingerKKMMW21 [198], KletzanderM17 [293]
Rainer Kolisch	2	844	PohlAK22 [424], KolischS97 [295]
Jan Kristof Behrens	2	12	BehrensLM19 [68], abs-1901-07914 [69]
Wen-Yang Ku	2	128	KuB16 [310], HeinzKB13 [244]
Michelle L. Blom	2	35	BlomPS16 [91], BlomBPS14 [90]
Marie-Louise Lackner	2	0	LacknerMMWW23 [319], LacknerMMWW21 [318]
Arnaud Lallouet	2	0	PerezGSL23 [418], abs-2312-13682 [419]
Evelina Lamma	2	12	LammaMM97 [321], BrusoniCLMMT96 [113]
Ralph Lange	2	12	BehrensLM19 [68], abs-1901-07914 [69]
Bruno Legeard	2	13	BoucherBVBL97 [106], BaptisteLV92 [43]
Michel Lemaître	2	110	VerfaillieL01 [522], BensanaLV99 [82]
BoonPing Lim	2	6	LimHTB16 [332], LimBTBB15 [333]
Kamol Limtanyakul	2	6	LimtanyakulS12 [335], Limtanyakul07 [334]
Yiqing Lin	2	1	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14]
Nir Lipovetzky	2	0	BurtLPS15 [114], LipovetzkyBPS14 [336]
James Little	2	30	KrogtLPHJ07 [519], Darby-DowmanLMZ97 [141]
Shixin Liu	2	0	LiFJZLL22 [329], ZhangJZL22 [563]
Xavier Lorca	2	29	GodetLHS20 [210], HermenierDL11 [253]
Abid M. Malik	2	15	Malik08 [362], MalikMB08 [363]
Gilles Madi-Wamba	2	1	Madi-WambaLOBM17 [358], Madi-WambaB16 [357]
Adrien Maillard	2	9	HebrardALLCMR22 [238], HebrardHJMPV16 [239]
Masoumeh Mansouri	2	12	BehrensLM19 [68], abs-1901-07914 [69]
Gonzalo Mejía	2	25	YuraszeckMC23 [555], MejiaY20 [368]
Paola Mello	2	12	LammaMM97 [321], BrusoniCLMMT96 [113]
Philippe Michelon	2	25	Acuna-AgostMFG09 [5], LiessM08 [330]
Mahdi Mokhtarzadeh	2	25	FarsiTM22 [177], MokhtarzadehTNF20 [374]
Roberto Montemanni	2	2	MontemanniD23 [378], MontemanniD23a [377]
Christoph Mrkvicka	2	0	LacknerMMWW23 [319], LacknerMMWW21 [318]
István Módos	2	3	BenediktMH20 [78], BenediktSMVH18 [79]
Bahman Naderi	2	2	NaderiRR23 [388], NaderiBZ22 [387]
Samba Ndojh Ndiaye	2	4	GroleazNS20 [224], GroleazNS20a [223]
Youcheu Ngo-Kateu	2	13	KameugneFSN14 [284], KameugneFSN11 [283]
Alain Nguyen	2	3	AntuoriHHEN21 [17], AntuoriHHEN20 [16]
Su Nguyen	2	0	abs-2402-00459 [394], abs-2211-14492 [480]
Antonín Novák	2	5	abs-2305-19888 [249], HeinzNVH22 [248]
Bryan O'Gorman	2	3	TranWDRFOVB16 [513], TranDRFWOVB16 [508]
Mike O'Keeffe	2	1	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14]
Angelo Oddi	2	13	OddiPCC03 [405], CestaOS98 [127]
Eva Onaindia	2	27	GarridoAO09 [191], GarridoOS08 [192]
Cemalettin Ozturk	2	1	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14]
Carla P. Gomes	2	0	HoeveGSL07 [520], GomesHS06 [216]
Laure Pauline Fotso	2	13	KameugneFSN14 [284], KameugneFSN11 [283]
Guillaume Perez	2	0	PerezGSL23 [418], abs-2312-13682 [419]
Enrico Pontelli	2	0	TardivoDFMP23 [488], VillaverdeP04 [533]
Luis Quesada	2	1	AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14]
Oscar Quiroga	2	35	ZeballosQH10 [562], QuirogaZH05 [436]
Günther R. Raidl	2	14	FrohnerTR19 [187], RendlPHPR12 [437]
Levi R. Abreu	2	0	PrataAN23 [431], AbreuPNF23 [3]
Philippe Refalo	2	46	GarganiR07 [190], BeckR03 [62]

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Author	Nr Works	Nr Cites	Entries
Francesca Rossi	2	29	GelainPRVW17 [203], BartakSR10 [50]
Martino Ruggiero	2	27	BeniniLMR11 [81], RuggieroBBMA09 [443]
Marcelo S. Nagano	2	0	PrataAN23 [431], AbreuPNF23 [3]
Ruslan Sadykov	2	56	SadykovW06 [446], Sadykov04 [445]
Konstantin Schekotihin	2	0	TasselGS23 [489], abs-2306-05747 [490]
Gunnar Schrader	2	12	WolfS05 [547], SchuttWS05 [460]
Christian Schulte	2	5	WessenCS20 [543], FrimodigS19 [185]
Bart Selman	2	0	HoeveGSL07 [520], GomesHS06 [216]
Wijnand Suijlen	2	0	PerezGSL23 [418], abs-2312-13682 [419]
Yuan Sun	2	0	abs-2402-00459 [394], abs-2211-14492 [480]
Andreas T. Ernst	2	13	abs-2211-14492 [480], ThiruvadyBME09 [497]
Reza Tavakkoli-Moghaddam	2	25	Mehdizadeh-Somarin23 [367], MokhtarzadehTNF20 [374]
Clémentin Tayou Djamégni	2	0	KameugneFND23 [282], FetgoD22 [179]
Erich Teppan	2	3	abs-2102-08778 [135], FriedrichFMRSST14 [184]
Alexander Tesch	2	9	Tesch18 [496], Tesch16 [495]
Sylvie Thiébaux	2	6	LimHTB16 [332], LimBTBB15 [333]
Behdin Vahedi Nouri	2	25	Mehdizadeh-Somarin23 [367], MokhtarzadehTNF20 [374]
Christophe Varnier	2	13	BoucherBVBL97 [106], BaptisteLV92 [43]
Davide Venturelli	2	3	TranWDRFOVB16 [513], TranDRFWOVB16 [508]
Ruixin Wang	2	0	WangB23 [539], WangB20 [538]
Zhihui Wang	2	3	TranWDRFOVB16 [513], TranDRFWOVB16 [508]
Jean-Paul Watson	2	57	BeckFW11 [58], WatsonB08 [542]
Christine Wei Wu	2	42	WuBB09 [550], WuBB05 [549]
Christophe Wolinski	2	19	WolinskiKG04 [548], KuchcinskiW03 [311]
Farouk Yalaoui	2	3	OujanaAYB22 [410], ArbaouiY18 [19]
Neil Yorke-Smith	2	5	EfthymiouY23 [165], WallaceY20 [537]
Ziyan Zhao	2	0	LiFJZLL22 [329], ZhangJZL22 [563]
Jianyang Zhou	2	24	Zhou97 [569], Zhou96 [568]
Willem-Jan van Hoeve	2	50	GilesH16 [206], GoelSHFS15 [211]
Menkes van den Briel	2	6	LimHTB16 [332], LimBTBB15 [333]
Peter van Beek	2	16	BegB13 [67], MalikMB08 [363]
Florian A. Herzog	1	2	KoehlerBFFHPSSS21 [294]
J. A. Hoogeveen	1	2	AkkerDH07 [517]
M. A. Hakim Newton	1	0	RiahiNS018 [438]
Viktoria A. Hauder	1	0	abs-1902-09244 [236]
Amr A. Kandil	1	24	TangLWSK18 [487]
Antonio A. Márquez	1	7	ValleMGT03 [516]
Kennedy A. G. Araújo	1	0	AbreuAPNM21 [144]
Steve A. Chien	1	0	HebrardALLCMR22 [238]
Sheila A. McIlraith	1	0	LuoVLBM16 [355]
Mehmet A. Begen	1	0	NaderiBZ22 [387]
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 [170]
Michael Affenzeller	1	0	abs-1902-09244 [236]
Abderrahmane Aggoun	1	187	AggounB93 [7]
Penélope Aguiar-Melgarejo	1	14	MelgarejoLS15 [8]
Sanjay Ahire	1	0	KanetAG04 [285]
Aftab Ahmed Shaikh	1	0	ShaikhK23 [462]
Uwe Aickelin	1	0	abs-2211-14492 [480]
Ali Akbar Sadat Asl	1	55	ZarandiASC20 [560]
Mohsen Akbarpour Shirazi	1	28	ZarandiKS16 [559]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Arianna Alfieri	1	0	AlfieriGPS23 [11]
S. Ali Torabi	1	0	FarsiTM22 [177]
Samira Alizdeh	1	1	AlizdehS20 [12]
Hassane Alla	1	0	LopezAKYG00 [350]
Lionel Amodeo	1	1	OujanaAYB22 [410]
Alexandru Andrei	1	9	RuggieroBBMA09 [443]
Ola Angelsmark	1	1	AngelsmarkJ00 [13]
Richard Anthony Valenzano	1	0	LuoVLBM16 [355]
M. Anton Ertl	1	14	ErtlK91 [169]
Zbigniew Antoni Banaszak	1	0	BocewiczBB09 [92]
David Applegate	1	536	ApplegateC91 [18]
Marlene Arangú	1	5	GarridoAO09 [191]
Arthur Araujo	1	72	TranAB16 [506]
Taha Arbaoui	1	2	ArbaouiY18 [19]
Martin Aronsson	1	0	AronssonBK09 [22]
M. Arslan Ornek	1	31	OzturkTHO13 [411]
Konstantin Artiouchine	1	3	ArtiouchineB05 [26]
Arezoo Atighehchian	1	0	YounespourAKE19 [552]
Abdullah Ayub Khan	1	0	ShaikhK23 [462]
Emrah B. Edis	1	5	EdisO11 [164]
Amr B. Eltawil	1	1	AbohashimaEG21 [2]
Maya B. Gokhale	1	0	WolinskiKG04 [548]
David B. H. Tay	1	0	Tay92 [491]
Özalp Babaoglu	1	1	GalleguillosKSB19 [189]
Irena Bach	1	0	BocewiczBB09 [92]
Astrid Bachelu	1	0	BoucherBVBL97 [106]
Scott Backhaus	1	4	LimBTBB15 [333]
Egon Balas	1	1054	AdamsBZ88 [6]
Hari Balasubramanian	1	9	ShinBBHO18 [465]
Viet Bang Nguyen	1	0	LauLN08 [322]
Federico Barber	1	0	AbrilSB05 [4]
Ada Barlatt	1	1	BarlattCG08 [44]
Mohammadreza Barzegaran	1	0	BarzegaranZP20 [53]
Virginie Basini	1	8	Polo-MejiaALB20 [425]
Ralph Becket	1	344	NethercoteSBBDT07 [393]
Andreas Beham	1	0	abs-1902-09244 [236]
N Beldiceanu	1	167	BeldiceanuC94 [70]
Said Belhadji	1	3	BelhadjiI98 [75]
Sana Belmokhtar	1	16	ArtiguesBF04 [23]
Fatima Benbouzid-Si Tayeb	1	0	TouatBT22 [504]
Till Bender	1	1	BenderWS21 [76]
Belaid Benhamou	1	0	TouatBT22 [504]
Hachemi Bennaceur	1	8	KhemmoudjPB06 [290]
E. Bensana	1	99	BensanaLV99 [82]
Russell Bent	1	4	LimBTBB15 [333]
Timo Berthold	1	28	BertholdHLMS10 [83]
Christian Bessiere	1	1	BessiereHMQW14 [84]
Julien Bidot	1	58	BidotVLB09 [85]
Arthur Bit-Monnot	1	0	Bit-Monnot23 [87]
Christian Blum	1	13	ThiruvadyBME09 [497]
Grzegorz Bocewicz	1	0	BocewiczBB09 [92]
Markus Bohlin	1	0	AronssonBK09 [22]
Nicolas Bonifas	1	3	BaptisteB18 [38]
Eric Boucher	1	0	BoucherBVBL97 [106]
Raphaël Boudreault	1	0	BoudreaultSLQ22 [107]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Jean-Louis Bouquard	1	22	LorigeonBB02 [351]
Eric Bourreau	1	4	BourreauGGLT22 [108]
Sebastian Brand	1	344	NethercoteSBBDT07 [393]
Silvia Breitinger	1	0	BreitingerL95 [109]
Kristen Brent Venable	1	1	GelainPRVW17 [203]
Dirk Briskorn	1	577	HartmannB10 [235]
D. Brodart	1	1	OujanaAYB22 [410]
Peter Brucker	1	990	BruckerDMNP99 [112]
Yuriy Brun	1	9	ShinBBHO18 [465]
Vittorio Brusoni	1	1	BrusoniCLMMT96 [113]
Josef Bürgler	1	2	KoehlerBFFHPSSS21 [294]
Cristina C. B. Cavalcante	1	5	HeipckeCCS00 [250]
Lionel C. Briand	1	3	AlesioNBG14 [158]
Eugene C. Freuder	1	0	CarchraeBF05 [119]
Kevin C. Furman	1	48	GoelSHFS15 [211]
Joseph C. Pemberton	1	26	PembertonG98 [417]
Hendrik C. R. Lock	1	0	BreitingerL95 [109]
Eray Cakici	1	50	HamC16 [232]
Louis-Pierre Campeau	1	0	CampeauG22 [116]
Tom Carchrae	1	0	CarchraeBF05 [119]
Cid Carvalho de Souza	1	31	LopesCSM10 [349]
Yves Caseau	1	0	Caseau97 [123]
Oscar Castillo	1	55	ZarandiASC20 [560]
Yao-Ting Chang	1	2	HoYCLLCLC18 [255]
Nicolas Chapados	1	5	ChapadosJR11 [128]
Philippe Charlier	1	11	SimonisCK00 [475]
Mohammad Cherkaoui	1	0	FallahiAC20 [175]
Han-Mo Chiu	1	2	HoYCLLCLC18 [255]
Yeonjun Choi	1	0	KimCMLLP23 [291]
Yingyi Chu	1	13	ChuX05 [130]
Sue-Min Chu	1	2	HoYCLLCLC18 [255]
Hoong Chuin Lau	1	0	LauLN08 [322]
Michael Codish	1	127	OhrimenkoSC09 [406]
Carleton Coffrin	1	14	SchausHMCMD11 [448]
Eldan Cohen	1	1	CohenHB17 [134]
Jordi Coll	1	1	BofillCSV17 [93]
Luca Console	1	1	BrusoniCLMMT96 [113]
E Contejean	1	167	BeldiceanuC94 [70]
William Cook	1	536	ApplegateC91 [18]
Trijntje Cornelissens	1	17	SimonisC95 [476]
Gabriella Cortellessa	1	8	OddiPCC03 [405]
Nicolás Cuneo	1	0	YuraszeckMCCR23 [557]
Kateryna Czerniachowska	1	0	CzerniachowskaWZ23 [139]
Alain Côté	1	0	PopovicCGNC22 [426]
Kenneth D. Young	1	6	YoungFS17 [553]
Laurent D. Michel	1	3	FontaineMH16 [181]
Steven D. Prestwich	1	6	RossiTHP07 [442]
Michael D. Moffitt	1	0	MoffittPP05 [373]
Emilie Danna	1	21	DannaP03 [140]
Ken Darby-Dowman	1	28	Darby-DowmanLMZ97 [141]
Vivian De Smedt	1	7	GaySS14 [196]
Alexis De Clercq	1	3	ClercqPBJ11 [132]
Carmelo Del Valle	1	7	ValleMGT03 [516]
Xavier Delorme	1	0	RodriguezDG02 [440]
Alain Demeure	1	0	JourdanFRD94 [275]

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Author	Nr Works	Nr Cites	Entries
Emir Demirovic	1	4	DemirovicS18 [154]
Roberto Di Cosmo	1	0	LiuCGM17 [338]
Guido Diepen	1	2	AkkerDH07 [517]
Bistra Dilkina	1	2	DilkinaDH05 [159]
Mehmet Dincbas	1	86	DincbasSH90 [160]
Grégoire Dooms	1	1	DoomsH08 [161]
Agostino Dovier	1	0	TardivoDFMP23 [488]
Andreas Drexl	1	990	BruckerDMNP99 [112]
Yuquan Du	1	27	QinDCS20 [434]
Lei Duan	1	2	DilkinaDH05 [159]
Alexandre Duarte de Almeida Lemos	1	0	Lemos21 [324]
Didier Dubois	1	13	FortinZDF05 [182]
Pierre Dupont	1	0	MonetteDD07 [375]
David Duvivier	1	36	WangMD15 [540]
Kyle E. C. Booth	1	21	BoothNB16 [104]
Marco E. Lübbecke	1	28	BertholdHLMS10 [83]
Andrew E. Santosa	1	0	ZhuS02 [571]
Martha E. Pollack	1	0	MoffittPP05 [373]
Nikolaos Efthymiou	1	0	EfthymiouY23 [165]
Gokhan Egilmez	1	43	GedikKEK18 [197]
Péter Egri	1	2	KovacsEKV05 [302]
Nizar El Hachemi	1	32	HachemiGR11 [229]
Ghada El Khayat	1	84	KhayatLR06 [289]
Abdellah El Fallahi	1	0	FallahiAC20 [175]
Sebastian Engell	1	3	KlankeBYE21 [292]
Eyüp Ensar Isik	1	0	IsikYA23 [271]
Teresa Escobet	1	17	EscobetPQPRA19 [170]
Joan Espasa	1	3	BofillEGPSV14 [94]
Stephen F. Smith	1	5	CestaOS98 [127]
Michael F. Gorman	1	0	KanetAG04 [285]
Jacques F. Benders	1	2583	Benders62 [77]
Mohd Fadlee A. Rasid	1	0	AkramNHRSA23 [9]
François Fages	1	0	JourdanFRD94 [275]
Moreno Falaschi	1	10	FalaschiGMP97 [174]
Huali Fan	1	18	FanXG21 [176]
Hélène Fargier	1	13	FortinZDF05 [182]
Soroush Fatemi-Anaraki	1	0	Fatemi-AnarakiMFN22 [178]
Filippo Focacci	1	0	FocacciLN00 [180]
Daniel Fontaine	1	3	FontaineMH16 [181]
Urs Fontana	1	2	KoehlerBFFHPSSS21 [294]
Andrea Formisano	1	0	TardivoDFMP23 [488]
Jérôme Fortin	1	13	FortinZDF05 [182]
Mehdi Foumani	1	0	Fatemi-AnarakiMFN22 [178]
Gerhard Friedrich	1	3	FriedrichFMRSST14 [184]
Sara Frimodig	1	3	FrimodigS19 [185]
Aurélien Froger	1	0	Froger16 [186]
Nikolaus Frohner	1	0	FrohnerTR19 [187]
Daniel Frost	1	10	FrostD98 [188]
Melanie Frühstück	1	3	FriedrichFMRSST14 [184]
Jun Fu	1	0	LiFJZLL22 [329]
Etienne Fux	1	2	KoehlerBFFHPSSS21 [294]
Ernesto G. Birgin	1	30	LunardiBLRV20 [353]
Mohamed Gaha	1	0	PopovicCGNC22 [426]
Flavius Galiber III	1	26	PembertonG98 [417]

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Author	Nr Works	Nr Cites	Entries
Cristian Galleguillos	1	1	GalleguillosKSB19 [189]
Xavier Gandibleux	1	0	RodriguezDG02 [440]
Graeme Gange	1	6	He0GLW18 [237]
Thierry Garaix	1	4	BourreauGGLT22 [108]
Maria Garcia de la Banda	1	24	BandaSC11 [148]
Antoine Gargani	1	17	GarganiR07 [190]
Serge Gaspers	1	0	ChuGNSW13 [129]
Jonathan Gaudreault	1	2	Mercier-AubinGQ20 [372]
Ridvan Gedik	1	43	GedikKEK18 [197]
Marc Geitz	1	0	GeitzGSSW22 [202]
Mirco Gelain	1	1	GelainPRVW17 [203]
Michel Gendreau	1	32	HachemiGR11 [229]
Wing-Yue Geoffrey Louie	1	16	LouieVNB14 [352]
Marcus Gerhard Müller	1	17	MullerMKP22 [382]
Patrick Gerhards	1	0	HubnerGSV21 [268]
Grigori German	1	0	German18 [204]
Ulrich Geske	1	2	Geske05 [205]
Katherine Giles	1	2	GilesH16 [206]
Gaël Glorian	1	0	PerezGSL23 [418]
Gael Glorian	1	0	abs-2312-13682 [419]
Daniel Godard	1	0	GodardLN05 [208]
Vikas Goel	1	48	GoelSHFS15 [211]
Mark Goh	1	18	FanXG21 [176]
Hans-Joachim Goltz	1	7	Goltz95 [215]
Matthieu Gondran	1	4	BourreauGGLT22 [108]
Cristian Grozea	1	0	GeitzGSSW22 [202]
Flavius Gruian	1	5	GruianK98 [225]
Alessio Guerri	1	18	BeniniBGM06 [80]
Serigne Gueye	1	3	Acuna-AgostMFG09 [5]
Ying Guo	1	0	ZhouGL15 [570]
Şeyda Gür	1	0	GurEA19 [575]
Burak Gökgür	1	31	GokgurHO18 [212]
Seyda Gür	1	1	GurPAE23 [228]
Fehmi H'Mida	1	11	TrojetHL11 [514]
Rolf H. Möhring	1	28	BertholdHLMS10 [83]
John H. Drake	1	41	PourDERB18 [427]
M. H. Fazel Zarandi	1	28	ZarandiKS16 [559]
Klaus H. Ecker	1	38	BlazewiczEP19 [88]
Emile H. L. Aarts	1	0	NuijtenA94 [403]
A. H. G. Rinnooy Kan	1	947	BlazewiczLK83 [89]
Claire Hanen	1	1	HanenKP21 [233]
Jiang Hang Chen	1	27	QinDCS20 [434]
Sue Hanhilammi	1	2	KrogtLPHJ07 [519]
Mohamed Haouari	1	3	LahimerLH11 [320]
Iiro Harjunkoski	1	169	HarjunkoskiG02 [234]
Sönke Hartmann	1	577	HartmannB10 [235]
Fazirulhisyam Hashim	1	0	AkramNHRSA23 [9]
Shan He	1	6	He0GLW18 [237]
Ivan Heckman	1	0	HeckmanB11 [242]
Susanne Heipcke	1	5	HeipckeCCS00 [250]
Fabien Hermenier	1	28	HermenierDL11 [253]
Gerhard Hiermann	1	14	RendlPHPR12 [437]
Alessandro Hill	1	0	HillTV21 [254]
Te-Wei Ho	1	2	HoYCLLCLC18 [255]
Petra Hofstedt	1	1	LiuLH19 [337]

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Author	Nr Works	Nr Cites	Entries
Mohammad Hossein Fazel Zarandi	1	55	ZarandiASC20 [560]
John Hou	1	1	DavenportKRSH07 [143]
Guoyu Huang	1	1	CohenHB17 [134]
Barry Hurley	1	0	HurleyOS16 [269]
Felix Hübner	1	0	HubnerGSV21 [268]
Amar Isli	1	3	BelhadjiI98 [75]
Mustafa Ismael Salman	1	0	AkramNHRSA23 [9]
Fernando J. M. Marcellino	1	0	SerraNM12 [461]
Leon J. Osterweil	1	9	ShinBBHO18 [465]
H. J. Kim	1	12	SureshMOK06 [482]
John J. Kanet	1	0	KanetAG04 [285]
Colin J. Layfield	1	0	Layfield02 [323]
Andrew J. Mason	1	5	Mason01 [366]
Gregory J. Duck	1	344	NethercoteSBBDT07 [393]
Vipul Jain	1	279	JainG01 [272]
Raf Jans	1	59	Jans09 [273]
Jean Jaubert	1	0	PraletLJ15 [430]
Jan Jelínek	1	0	JelinekB16 [274]
Yingjun Ji	1	0	ZhangJZL22 [563]
Zixi Jia	1	0	LiFJZLL22 [329]
Yunfei Jiang	1	0	LiuJ06 [339]
Yue Jin	1	2	KrogtLPHJ07 [519]
Marc Joliveau	1	5	ChapadosJR11 [128]
Peter Jonsson	1	1	AngelsmarkJ00 [13]
Jean Jourdan	1	0	JourdanFRD94 [275]
Nicolas Jozefowiez	1	9	HebrardHJMPV16 [239]
Jae-Yoon Jung	1	1	ParkUJR19 [416]
Pascal Jungblut	1	0	JungblutK22 [276]
T. K. Satish Kumar	1	4	Kumar03 [312]
Edmund K. Burke	1	41	PourDERB18 [427]
Mustafa K. Dogru	1	8	TerekhovDOB12 [493]
T. K. Feng	1	43	BeckFW11 [58]
Jayant Kalagnanam	1	1	DavenportKRSH07 [143]
Darshan Kalathia	1	43	GedikKEK18 [197]
Olli Kamarainen	1	9	KamarainenS02 [279]
Nor Kamariah Noordin	1	0	AkramNHRSA23 [9]
Jan Karel Lenstra	1	947	BlazewiczLK83 [89]
Philip Kay	1	11	SimonisCK00 [475]
Elena Kelareva	1	16	KelarevaTK13 [286]
Jan Kelbel	1	12	KelbelH11 [287]
H. Khorshidian	1	28	ZarandiKS16 [559]
Kamran Kianfar	1	0	YounespourAKE19 [552]
Philip Kilby	1	16	KelarevaTK13 [286]
Dongyun Kim	1	0	KimCMLLP23 [291]
Emre Kirac	1	43	GedikKEK18 [197]
Zeynep Kiziltan	1	1	GalleguillosKSB19 [189]
Christian Klanke	1	3	KlankeBYE21 [292]
Jana Koehler	1	2	KoehlerBFFHPSSS21 [294]
Wolfgang Kohlenbrein	1	0	KovacsTKSG21 [306]
Sebastian Kosch	1	4	KoschB14 [298]
Benjamin Kovács	1	0	KovacsTKSG21 [306]
Matthias Krainz	1	0	GeibingerKKMMW21 [198]
Andreas Krall	1	14	ErtlK91 [169]
Dieter Kranzlmüller	1	0	JungblutK22 [276]

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Author	Nr Works	Nr Cites	Entries
Dominik Kress	1	17	MullerMKP22 [382]
Per Kreuger	1	0	AronssonBK09 [22]
Mustafa Küçük	1	0	KucukY19 [313]
Elif Kürklü	1	4	FrankK05 [183]
András Kéri	1	1	KeriK07 [288]
Michael L. Pinedo	1	0	KimCMLLP23 [291]
Hassan L. Hijazi	1	2	LimHTB16 [332]
Philip L. Henneman	1	9	ShinBBHO18 [465]
Yiqing L. Luo	1	0	LuoB22 [356]
Philippe Lacomme	1	4	BourreauGGLT22 [108]
Daniel Lafond	1	0	BoudreaultSLQ22 [107]
Asma Lahimer	1	3	LahimerLH11 [320]
Feipei Lai	1	2	HoYCLLCLC18 [255]
Jui-Fen Lai	1	2	HoYCLLCLC18 [255]
André Langevin	1	84	KhayatLR06 [289]
Christophe Lecoutre	1	20	GayHLS15 [193]
Myungho Lee	1	0	KimCMLLP23 [291]
Kangbok Lee	1	0	KimCMLLP23 [291]
Solange Lemai-Chenevier	1	0	PraletLJ15 [430]
Xingyang Li	1	0	LiFJZLL22 [329]
Siyi Li	1	0	LiFJZLL22 [329]
Xiaodong Li	1	0	abs-2211-14492 [480]
Guipeng Li	1	0	ZhouGL15 [570]
Hong Li	1	4	SunLYL10 [481]
Nan Li	1	4	SunLYL10 [481]
Yunbo Li	1	1	Madi-WambaLOBM17 [358]
Heyse Li	1	8	TranPZLDB18 [509]
Yi Li	1	0	LuoVLBM16 [355]
Wan-Chung Liao	1	2	HoYCLLCLC18 [255]
Ariel Liebman	1	6	He0GLW18 [237]
Olivier Liess	1	22	LiessM08 [330]
Andrew Lim	1	5	LimRX04 [331]
Tong Liu	1	0	LiuCGM17 [338]
Lingxuan Liu	1	12	QinWSLS21 [433]
Ke Liu	1	1	LiuLH19 [337]
Rengkui Liu	1	24	TangLWSK18 [487]
Yuechang Liu	1	0	LiuJ06 [339]
Giovanni Lo Bianco	1	0	ZhangBB22 [564]
Doina Logofatu	1	2	BadicaBIL19 [32]
Thomas Lorigeon	1	22	LorigeonBB02 [351]
Roy Luo	1	0	LuoVLBM16 [355]
Arnaud Lusson	1	0	HebrardALLCMR22 [238]
Chang Lv	1	100	MengZRZL20 [370]
Zhimin Lv	1	1	ZhangLS12 [567]
Sven Löffler	1	1	LiuLH19 [337]
J. M. van den Akker	1	2	AkkerDH07 [517]
Abdulrahman M. Abdulghani	1	0	AkramNHRSA23 [9]
O. M. Alade	1	0	abs-1902-01193 [10]
Shahrzad M. Pour	1	41	PourDERB18 [427]
Franco M. Novara	1	18	NovaraNH16 [398]
Rafael M. Gasca	1	7	ValleMGT03 [516]
Jose M. Framinan	1	0	AbreuPNF23 [3]
Andy M. Ham	1	50	HamC16 [232]
Rolf Möhring	1	990	BruckerDMNP99 [112]
Jun Ma	1	1	MakMS10 [359]

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Author	Nr Works	Nr Cites	Entries
Amy Mainville Cohn	1	1	BarlattCG08 [44]
Kai-Ling Mak	1	1	MakMS10 [359]
V. Mani	1	12	SureshMOK06 [482]
Oscar Manzano	1	1	MurphyMB15 [384]
Kourosh Marjani Rasmussen	1	41	PourDERB18 [427]
Kim Marriott	1	10	FalaschiGMP97 [174]
Fae Martin	1	11	MartinPY01 [365]
Jacopo Mauro	1	0	LiuCGM17 [338]
Jim McInnes	1	15	MalikMB08 [363]
Zahra Mehdizadeh-Somarin	1	0	Mehdizadeh-Somarin23 [367]
Haci Mehmet Alakas	1	1	GurPAE23 [228]
Hacı Mehmet Alakaş	1	0	GurEA19 [575]
Itay Meiri	1	879	DechterMP91 [149]
Sebastian Meiswinkel	1	0	WinterMMW22 [545]
Gonzalo Mejía	1	0	YuraszeckMPV22 [556]
Hein Meling	1	6	MossigeGSMC17 [379]
Julien Menana	1	0	Menana11 [369]
Jean-Marc Menaud	1	1	Madi-WambaLOBM17 [358]
Leilei Meng	1	100	MengZRZL20 [370]
Luc Mercier	1	32	MercierH08 [371]
Alexandre Mercier-Aubin	1	2	Mercier-AubinGQ20 [372]
Vera Mersheeva	1	3	FriedrichFMRSST14 [184]
Nadine Meskens	1	36	WangMD15 [540]
Bernd Meyer	1	13	ThiruvadyBME09 [497]
Kyung Min Kim	1	0	HamPK21 [231]
Gautam Mitra	1	28	Darby-DowmanLMZ97 [141]
Elizabeth Montero	1	0	YuraszeckMCCR23 [557]
Kyungduk Moon	1	0	KimCMLLP23 [291]
Morten Mossige	1	6	MossigeGSMC17 [379]
Alix Munier Kordon	1	1	HanenKP21 [233]
Stanislav Murín	1	2	MurinR19 [383]
Nicola Muscettola	1	14	Muscettola02 [385]
David Müller	1	17	MullerMKP22 [382]
András Márkus	1	2	VanczaM01 [521]
Marc-André Ménard	1	1	BessiereHMQW14 [84]
T. N. Wong	1	6	ZhangYW21 [565]
Sophie N. Parragh	1	0	abs-1902-09244 [236]
S. N. Omkar	1	12	SureshMOK06 [482]
Nina Narodytska	1	0	ChuGNSW13 [129]
Shiva Nejati	1	3	AlesioNBG14 [158]
Nicholas Nethercote	1	344	NethercoteSBBDT07 [393]
Klaus Neumann	1	990	BruckerDMNP99 [112]
Franklin Nguewouo	1	0	PopovicCGNC22 [426]
Gilberto Nishioka	1	0	SerraNM12 [461]
Thierry Noulamo	1	0	KameugneFND23 [282]
Jari Nurmi	1	2	QuSN06 [435]
A. O. Amusat	1	0	abs-1902-01193 [10]
Ceyda Oguz	1	5	EdisO11 [164]
Olga Ohrimenko	1	127	OhrimenkoSC09 [406]
Bilal Omar Akram	1	0	AkramNHRSA23 [9]
Mirza Omer Beg	1	1	BegB13 [67]
Anne-Cécile Orgerie	1	1	Madi-WambaLOBM17 [358]
Gregor Ottosson	1	317	HookerO03 [264]
Mohand Ou Idir Khemmoudj	1	8	KhemmoudjPB06 [290]
Pierre Ouellet	1	12	OuelletQ13 [407]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Soukaina Oujana	1	1	OujanaAYB22 [410]
Asma Ouled Bedhief	1	0	Bedhief21 [66]
Irem Ozkarahan	1	46	TopalogluO11 [502]
Débora P. Ronconi	1	30	LunardiBLRV20 [353]
Edward P. K. Tsang	1	1	Tsang03 [515]
W. P. M. Nuijten	1	0	NuijtenA94 [403]
Meghana Padmanabhan	1	8	TranPZLDB18 [509]
Miquel Palahí	1	3	BofillEGPSV14 [94]
Catuscia Palamidessi	1	10	FalaschiGMP97 [174]
Pere Palà-Schönwälder	1	17	EscobetPQPRA19 [170]
Vaibhav Pandey	1	3	PandeyS21a [412]
Hoonseok Park	1	1	ParkUJR19 [416]
Myoung-Ju Park	1	0	HamPK21 [231]
Erica Pastore	1	0	AlfieriGPS23 [11]
Judea Pearl	1	879	DechterMP91 [149]
Theo Pedersen	1	1	HanenKP21 [233]
Bart Peintner	1	0	MoffittPP05 [373]
Jordi Pereira	1	0	YuraszeckMPV22 [556]
Laurent Perron	1	21	DannaP03 [140]
Mehmet Pinarbasi	1	1	GurPAE23 [228]
Arthur Pinkney	1	11	MartinPY01 [365]
David Pisinger	1	2	SacramentoSP20 [444]
Maximilian Pohl	1	4	PohlAK22 [424]
Nicola Policella	1	8	OddiPCC03 [405]
Oliver Polo-Mejía	1	8	Polo-MejiaALB20 [425]
Paul Pop	1	0	BarzegaranZP20 [53]
Louis Popovic	1	0	PopovicCGNC22 [426]
Marc Porcheron	1	8	KhemmoudjPB06 [290]
Marc Pouly	1	2	KoehlerBFFHPSSS21 [294]
Guillaume Povéda	1	0	PovedaAA23 [428]
Matthias Prandtstetter	1	14	RendlPHPR12 [437]
Patrick Prosser	1	0	BeckPS03 [61]
Jakob Puchinger	1	14	RendlPHPR12 [437]
Jean-Francois Puget	1	6	Puget95 [432]
Vicenç Puig	1	17	EscobetPQPRA19 [170]
Kenneth Pulliam	1	2	KrogtLPHJ07 [519]
Kenny Qili Zhu	1	0	ZhuS02 [571]
Ming Qin	1	12	QinWSLS21 [433]
Tianbao Qin	1	27	QinDCS20 [434]
Yang Qu	1	2	QuSN06 [435]
Yuchen Quan	1	2	ShiYXQ22 [464]
Joseba Quevedo	1	17	EscobetPQPRA19 [170]
Alain Quilliot	1	0	ArtiguesHQT21 [24]
Dominik R. Bleidorn	1	3	KlankeBYE21 [292]
Aliza R. Heching	1	10	HechingH16 [241]
Gregg R. Rabideau	1	0	HebrardALLCMR22 [238]
Sebastian Raggl	1	0	abs-1902-09244 [236]
Vinasétan Ratheil Houndji	1	5	HoundjiSWD14 [267]
Chandra Reddy	1	1	DavenportKRSH07 [143]
Yaping Ren	1	100	MengZRZL20 [370]
Andrea Rendl	1	14	RendlPHPR12 [437]
Hamid Reza Feyzmahdavian	1	2	Astrand0F21 [28]
Vahid Riahi	1	0	RiahiNS018 [438]
Diane Riopel	1	84	KhayatLR06 [289]
Gregory Rix	1	1	PesantRR15 [420]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Robert Rodosek	1	19	RodosekW98 [439]
Brian Rodrigues	1	5	LimRX04 [331]
Joaquín Rodriguez	1	117	Rodriguez07 [441]
Joaquin Rodriguez	1	0	RodriguezDG02 [440]
Jerome Rogerie	1	148	LaborieRSV18 [317]
Mohammad Rohaninejad	1	0	Mehdizadeh-Somarin23 [367]
Maximiliano Rojel	1	0	YuraszeckMCCR23 [557]
Juli Romera	1	17	EscobetPQPRA19 [170]
Vahid Roshanaei	1	2	NaderiRR23 [388]
Roberto Rossi	1	6	RossiTHP07 [442]
François Roubellat	1	84	ArtiguesR00 [25]
Stéphanie Roussel	1	0	SquillaciPR23 [478]
Didier Rozzonelli	1	0	JourdanFRD94 [275]
Hana Rudová	1	2	MurinR19 [383]
Rubén Ruiz	1	2	NaderiRR23 [388]
Martin Ruskowski	1	1	ParkUJR19 [416]
Anna Ryabokon	1	3	FriedrichFMRSST14 [184]
William S. Havens	1	2	DilkinaDH05 [159]
Mohamed S. Gheith	1	1	AbohashimaEG21 [2]
Erlendur S. Thorsteinsson	1	67	Thorsteinsson01 [499]
David Sacramento	1	2	SacramentoSP20 [444]
Shahram Saeidi	1	1	AlizdehS20 [12]
Poonam Saini	1	3	PandeyS21a [412]
Fabio Salassa	1	0	AlfieriGPS23 [11]
Sophia Saller	1	2	KoehlerBFFHPSSS21 [294]
Anastasia Salyaeva	1	2	KoehlerBFFHPSSS21 [294]
Maria Sander	1	3	FriedrichFMRSST14 [184]
Eric Sanlaville	1	7	PoderBS04 [423]
Óscar Sapena	1	22	GarridoOS08 [192]
Özge Satir Akpunar	1	0	IsikYA23 [271]
Abdul Sattar	1	0	RiahiNS018 [438]
Peter Scheiblechner	1	2	KoehlerBFFHPSSS21 [294]
Klaus Schild	1	23	SchildW00 [449]
Thomas Schlechte	1	10	HeinzSSW12 [245]
Thorsten Schmidt	1	1	BenderWS21 [76]
Günter Schmidt	1	38	BlazewiczEP19 [88]
Philipp Schrott-Kostwein	1	0	KovacsTKSG21 [306]
Uwe Schwiegelshohn	1	4	LimtanyakulS12 [335]
Lena Secher Ejlertsen	1	41	PourDERB18 [427]
Evgeny Selensky	1	0	BeckPS03 [61]
Thiago Serra	1	0	SerraNM12 [461]
Mei Sha	1	27	QinDCS20 [434]
Yufen Shao	1	48	GoelSHFS15 [211]
Ganquan Shi	1	2	ShiYXQ22 [464]
Zhongshun Shi	1	12	QinWSLS21 [433]
Leyuan Shi	1	12	QinWSLS21 [433]
Stuart Siegel	1	1	DavenportKRSH07 [143]
Maria Silvia Pini	1	1	GelainPRVW17 [203]
Vanessa Simard	1	0	BoudreaultSLQ22 [107]
Pawel Sitek	1	0	WikarekS19 [544]
M. Slusky	1	48	GoelSHFS15 [211]
Juha-Pekka Soininen	1	2	QuSN06 [435]
Xiaoqing Song	1	1	ZhangLS12 [567]
Shahabeddin Sotudian	1	55	ZarandiASC20 [560]
Francis Sourd	1	7	SourdN00 [477]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Helge Spieker	1	6	MossigeGSMC17 [379]
Arno Sprecher	1	840	KolischS97 [295]
Samuel Squillaci	1	0	SquillaciPR23 [478]
Andreas Starzacher	1	3	FriedrichFMRSST14 [184]
Wolfgang Steigerwald	1	0	GeitzGSSW22 [202]
Rüdiger Stephan	1	10	HeinzSSW12 [245]
Malgorzata Sterna	1	38	BlazewiczEP19 [88]
Robin Stöhr	1	0	GeitzGSSW22 [202]
Christian Stürck	1	0	HubnerGSV21 [268]
Kaile Su	1	0	RiahiNS018 [438]
Wei Su	1	1	MakMS10 [359]
Kemal Subulan	1	5	SubulanC22 [479]
Premysl Sucha	1	2	BenediktSMVH18 [79]
Quanxin Sun	1	24	TangLWSK18 [487]
Zheng Sun	1	4	SunLYL10 [481]
Suresh Sundaram	1	12	SureshMOK06 [482]
Pavel Surynek	1	2	BartakCS10 [48]
Jirí Svancara	1	0	SvancaraB22 [483]
Ria Szeredi	1	9	SzerediS16 [484]
Alina Sîrbu	1	1	GalleguillosKSB19 [189]
Christos T. Maravelias	1	15	MaraveliasG04 [364]
Willian T. Lunardi	1	30	LunardiBLRV20 [353]
Guido Tack	1	344	NethercoteSBBDT07 [393]
Eric Taillard	1	1568	Taillard93 [485]
Siyu Tang	1	7	VlkHT21 [534]
Yuanjie Tang	1	24	TangLWSK18 [487]
Fabio Tardivo	1	0	TardivoDFMP23 [488]
Armagan Tarim	1	6	RossiTHP07 [442]
Ehsan Tarkesh Esfahani	1	0	YounespourAKE19 [552]
Reza Tavakkoli-Moghaddam	1	0	Fatemi-AnarakiMFN22 [178]
Nikolay Tchernev	1	4	BourreauGGLT22 [108]
Paolo Terenziani	1	1	BrusoniCLMMT96 [113]
Willian Tessaro Lunardi	1	0	Lunardi20 [354]
Stephan Teuschl	1	0	FrohnerTR19 [187]
Charles Thomas	1	6	CappartTSR18 [118]
Jordan Ticktin	1	0	HillTV21 [254]
Kevin Tierney	1	16	KelarevaTK13 [286]
Christian Timpe	1	42	Timpe02 [500]
Mary Tom	1	0	Tom19 [501]
Seyda Topaloglu	1	46	TopalogluO11 [502]
Miguel Toro	1	7	ValleMGT03 [516]
Philippe Torres	1	26	TorresL00 [503]
Meriem Touat	1	0	TouatBT22 [504]
Touraïvane	1	2	Touraivane95 [505]
Hélène Toussaint	1	0	ArtiguesHQT21 [24]
Mariem Trojet	1	11	TrojetHL11 [514]
Semra Tunali	1	31	OzturkTHO13 [411]
Paul Tyler	1	0	HebrardTW05 [240]
Jumyung Um	1	1	ParkUJR19 [416]
J. V. Moccellin	1	0	AbreuAPNM21 [144]
Behdin Vahedi-Nouri	1	0	Fatemi-AnarakiMFN22 [178]
Sasha Van Cauwelaert	1	2	CauwelaertDS20 [126]
Thierry Vidal	1	58	BidotVLB09 [85]
Karen Villaverde	1	0	VillaverdeP04 [533]
Mariona Vilà	1	0	YuraszeckMPV22 [556]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Rebekka Volk	1	0	HubnerGSV21 [268]
Holger Voos	1	30	LunardiBLRV20 [353]
Thomas W. M. Vossen	1	0	HillTV21 [254]
Kai Waelti	1	2	KoehlerBFFHPSSS21 [294]
Runsen Wang	1	12	QinWSLS21 [433]
Futian Wang	1	24	TangLWSK18 [487]
Shouyang Wang	1	49	ZhangW18 [566]
Tao Wang	1	36	WangMD15 [540]
Ezra Wari	1	11	WariZ19 [541]
Jan Weglarz	1	38	BlazewiczEP19 [88]
Kong Wei Lye	1	0	LauLN08 [322]
Johan Wessén	1	2	WessenCS20 [543]
Radosław Wichniarek	1	0	CzerniachowskaWZ23 [139]
Jaroslaw Wikarek	1	0	WikarekS19 [544]
Campbell Wilson	1	6	He0GLW18 [237]
Michael Winkler	1	10	HeinzSSW12 [245]
David Wittwer	1	1	BenderWS21 [76]
Jörg Würtz	1	23	SchildW00 [449]
Quanshi Xia	1	13	ChuX05 [130]
Hegen Xiong	1	18	FanXG21 [176]
Zhou Xu	1	5	LimRX04 [331]
Yang Xu	1	2	ShiYXQ22 [464]
Tanya Y. Tang	1	6	TangB20 [486]
El Yaakoubi Anass	1	0	FallahiAC20 [175]
Hong Yan	1	8	HookerY02 [266]
Moli Yang	1	1	YangSS19 [551]
Zhouwang Yang	1	2	ShiYXQ22 [464]
Jia-Sheng Yao	1	2	HoYCLLCLC18 [255]
Min Yao	1	4	SunLYL10 [481]
Seung Yeob Shin	1	9	ShinBBHO18 [465]
Vassilios Yfantis	1	3	KlankeBYE21 [292]
Maryam Younespour	1	0	YounespourAKE19 [552]
Chunxia Yu	1	6	ZhangYW21 [565]
Xinghuo Yu	1	11	MartinPY01 [365]
Oleg Yu. Gusikhin	1	1	BarlattCG08 [44]
Peter Yun Zhang	1	8	TranPZLDB18 [509]
Pinar Yunusoglu	1	20	YunusogluY22 [554]
Marco Zaffalon	1	28	Darby-DowmanLMZ97 [141]
Boukhalfa Zahout	1	0	Zahout21 [558]
Stéphane Zampelli	1	3	DerrienPZ14 [157]
Bahram Zarrin	1	0	BarzegaranZP20 [53]
Daniel Zawack	1	1054	AdamsBZ88 [6]
Mengjie Zhang	1	0	abs-2402-00459 [394]
Haotian Zhang	1	0	ZhangJZL22 [563]
Luping Zhang	1	6	ZhangYW21 [565]
Chaoyong Zhang	1	100	MengZRZL20 [370]
Biao Zhang	1	100	MengZRZL20 [370]
Sicheng Zhang	1	49	ZhangW18 [566]
Xujun Zhang	1	1	ZhangLS12 [567]
Lihui Zhang	1	0	ZouZ20 [574]
Jiachen Zhang	1	0	ZhangBB22 [564]
Guoqing Zhang	1	0	NaderiBZ22 [387]
Jinlian Zhou	1	0	ZhouGL15 [570]
Weihang Zhu	1	11	WariZ19 [541]
Pawel Zielinski	1	13	FortinZDF05 [182]

Table 8: Co-Authors of Articles/Papers

Author	Nr Works	Nr Cites	Entries
Jürgen Zimmermann	1	25	KreterSSZ18 [309]
Xin Zou	1	0	ZouZ20 [574]
Mathijs de Weerdt	1	1	BogaerdtW19 [518]
Bruno de Athayde Prata	1	0	AbreuAPNM21 [144]
Alexis de Clercq	1	0	Clercq12 [147]
Roman van der Krogt	1	2	KrogtLPHJ07 [519]
Pim van den Bogaerdt	1	1	BogaerdtW19 [518]
Stefano Di Alesio	1	3	AlesioNBG14 [158]
Ulas Özen	1	8	TerekhovDOB12 [493]
Selin Özpeynirci	1	31	GokgurHO18 [212]
Cemalettin Öztürk	1	31	OzturkTHO13 [411]
Nahum Álvarez	1	0	PovedaAA23 [428]
Seán Óg Murphy	1	1	MurphyMB15 [384]
Gizem Çakir	1	5	SubulanC22 [479]
Krzysztof Żywicki	1	0	CzerniachowskaWZ23 [139]

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 [149]
Concepts	BOM	SubulanC22 [479], HartmannB10 [235]		abs-1902-01193 [10]
Concepts	activity	TardivoDFMP23 [488], AalianPG23 [1], PovedaAA23 [428], TouatBT22 [504], CampeauG22 [116], SubulanC22 [479], SvancaraB22 [483], BenderWS21 [76], KlankeBYE21 [292], HubnerGSV21 [268], Astrand21 [27], Godet21a [209], BadicaBI20 [31], ZouZ20 [574], ZarandiASC20 [560], CauwelaertDS20 [126], Polo-MejiaALB20 [425], AstrandJZ20 [30], BadicaBIL19 [32], abs-1902-09244 [236], abs-1911-04766 [199], GeibingerMM19 [200], MurinR19 [383], YounespourAKE19 [552], Caballero19 [?], LaborieRSV18 [317], GokgurHO18 [212], BorghesiBLMB18 [105], TangLWSK18 [487]... (Total: 156)	YuraszeckMCCR23 [557], Bit-Monnot23 [87], BoudreaultSLQ22 [107], PopovicCGNC22 [426], LunardiBLRV20 [353], AntunesABDEGGOL20 [15], Lunardi20 [354], Hooker19 [263], YangSS19 [551], EscobetPQPRA19 [170], Novas19 [399], ShinBBHO18 [465], SchuttS16 [458], TranWDRFOVB16 [513], BoothNB16 [104], VilimLS15 [532], Derrien15 [155], GoelSHFS15 [211], DoulabiRP14 [162], LombardiM13 [348], BonfiettiM12 [102], Clercq12 [147], ChapadosJR11 [128], ZibranR11 [572], SchuttFSW09 [453], PoderB08 [422], GarridoOS08 [192], KrogtLPHJ07 [519], Simonis07 [474]... (Total: 42)	PrataAN23 [431], CzerniachowskaWZ23 [139], ShaikhK23 [462], abs-2312-13682 [419], SquillaciPR23 [478], abs-2305-19888 [249], PerezGSL23 [418], HeinzNVH22 [248], PohlAK22 [424], abs-2211-14492 [480], HebrardALLCMR22 [238], OuelletQ22 [409], MullerMKP22 [382], YunusogluY22 [554], Groleaz21 [222], ZhangYW21 [565], HillTV21 [254], Zahout21 [558], GeibingerMM21 [201], PandeyS21a [412], Astrand0F21 [28], QinDCS20 [434], Mercier-AubinGQ20 [372], SacramentoSP20 [444], NishikawaSTT19 [397], abs-1902-01193 [10], Tom19 [501], GalleguillosKSB19 [189], CauwelaertLS18 [125]... (Total: 84)
Concepts	batch process	LacknerMMWW23 [319], LacknerMMWW21 [318], QinWSLS21 [433], ZarandiASC20 [560], NovaraNH16 [398], HamC16 [232], KoschB14 [298], Malapert11 [360]	TangB20 [486], NovasH10 [400], Vilim02 [523], SimonisC95 [476]	PrataAN23 [431], IsikYA23 [271], YuraszeckMCCR23 [557], YunusogluY22 [554], MullerMKP22 [382], SvancaraB22 [483], OujanaAYB22 [410], LuoB22 [356], LiFJZLL22 [329], ColT22 [137], AbreuN22 [145], GeitzGSSW22 [202], FanXG21 [176], ZhangYW21 [565], KlankeBYE21 [292], Lunardi20 [354], CauwelaertDS20 [126], MengZRZL20 [370], EscobetPQPRA19 [170], Ham18 [230], FahimiOQ18 [173], LaborieRSV18 [317], CauwelaertDMS16 [124], Dejemeppe16 [150], Froger16 [186], BlomPS16 [91], Fahimi16 [?], GrimesH15 [219], GrimesH10 [217]... (Total: 33)
Concepts	bill of material			Simonis07 [474]
Concepts	buffer-capacity		SureshMOK06 [482]	LiFJZLL22 [329], OujanaAYB22 [410], RiahiNS018 [438], BonfiettiLBM14 [99], NovasH14 [402], TerekhovTDB14 [494], ZeballosH05 [561]
Concepts	cmax	JuvinHHL23 [277], YuraszeckMCCR23 [557], AbreuNP23 [146], YuraszeckMC23 [555], KameugneFND23 [282], NaderiRR23 [388], abs-2305-19888 [249], IsikYA23 [271], YunusogluY22 [554], FetgoD22 [179], ZhangBB22 [564], AbreuN22 [145], abs-2211-14492 [480], Godet21a [209], QinWSLS21 [433], Groleaz21 [222], AbohashimaEG21 [2], ArmstrongGOS21 [20], Polo-MejiaALB20 [425], QinDCS20 [434], MejiaY20 [368], MengZRZL20 [370], GodetLHS20 [210], Lunardi20 [354], WikarekS19 [544], YounespourAKE19 [552], MalapertN19 [361], Caballero19 [?], Ham18 [230]... (Total: 55)	Mehdizadeh-Somarin23 [367], BoudreaultSLQ22 [107], MullerMKP22 [382], ArmstrongGOS22 [21], HamPK21 [231], AbreuAPNM21 [144], ParkUJR19 [416], Novas19 [399], ArbaouiY18 [19], GrimesH15 [219], WangMD15 [540], ZhouGL15 [570], ZhangLS12 [567], BeckFW11 [58], BartakSR10 [50], MoffittPP05 [373], Muscettola02 [385], ArtiguesR00 [25], SourdN00 [477], Taillard93 [485], BlazewiczLK83 [89]	JuvinHL23 [278], Teppan22 [492], ZhangYW21 [565], HanenKP21 [233], HubnerGSV21 [268], ZarandiASC20 [560], GokgurHO18 [212], LiuCGM17 [338], BofillCSV17 [93], SialaAH15 [468], KoschB14 [298], Letort13 [325], SchuttFSW13 [456], TerekhovDOB12 [493], GuSW12 [227], Schutt11 [?], abs-1009-0347 [454], WatsonB08 [542], LiessM08 [330], AkkerDH07 [517], KeriK07 [288], KhayatLR06 [289], Laborie03 [314], BaptisteP00 [41], FocacciLN00 [180]

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	completion-time	PrataAN23 [431], JuvinHL23 [278], AbreuNP23 [146], Mehdizadeh-Somarin23 [367], AlfieriGPS23 [11], NaderiRR23 [388], KameugneFND23 [282], YuraszeckMPV22 [556], AbreuN22 [145], YunusogluY22 [554], SubulanC22 [479], OuelletQ22 [409], NaderiBZ22 [387], FetgoD22 [179], KlankeBYE21 [292], Astrand21 [27], Bedhief21 [66], ArmstrongGOS21 [20], Groleaz21 [222], MejiaY20 [368], LunardiBLRV20 [353], QinDCS20 [434], CauwelaertDS20 [126], ZarandiASC20 [560], Lunardi20 [354], YounespourAKE19 [552], FahimiOQ18 [173], RiahiNS018 [438], ZhangW18 [566]... (Total: 75)	CzerniachowskaWZ23 [139], abs-2305-19888 [249], MullerMKP22 [382], ColT22 [137], Teppan22 [492], ZhangBB22 [564], TouatBT22 [504], OujanaAYB22 [410], HeinzNVH22 [248], abs-2211-14492 [480], LiFJZLL22 [329], AbreuAPNM21 [144], HanenKP21 [233], FanXG21 [176], GeibingerMM21 [201], QinWSLS21 [433], NattafM20 [392], Mercier-AubinGQ20 [372], Polo-MejiaALB20 [425], YangSS19 [551], abs-1902-09244 [236], BogaerdtW19 [518], abs-1911-04766 [199], MalapertN19 [361], GeibingerMM19 [200], ParkUJR19 [416], Ham18 [230], OuelletQ18 [408], KreterSSZ18 [309]... (Total: 58)	abs-2402-00459 [394], TasselGS23 [489], MontemanniD23a [377], AkramNHRSA23 [9], IsikYA23 [271], abs-2306-05747 [490], PerezGSL23 [418], JuvinHHL23 [277], FarsiTM22 [177], PopovicCGNC22 [426], PohlAK22 [424], GeitzGSSW22 [202], CampeauG22 [116], ZhangJZL22 [563], WinterMMW22 [545], ArmstrongGOS22 [21], HubnerGSV21 [268], Zahout21 [558], VlkHT21 [534], Godet21a [209], PandeyS21a [412], HamPK21 [231], WessenCS20 [543], BadicaBI20 [31], MengZRZL20 [370], MokhtarzadehTNF20 [374], AntuoriHHEN20 [16], GodetLHS20 [210], SacramentoSP20 [444]... (Total: 98)
Concepts	continuous-process			FarsiTM22 [177], Dejemeppe16 [150], GaySS14 [196], Bartak02 [46], SimonisC95 [476], Benders62 [77]
Concepts	distributed	PrataAN23 [431], NaderiRR23 [388], Zahout21 [558], ZarandiASC20 [560], MengZRZL20 [370], He0GLW18 [237], TranPZLDB18 [509], BridiLBBM16 [111], BridiBLMB16 [110], ZhouGL15 [570], TerekhovTDB14 [494], BonfiettiLM14 [101], BartakS11 [49], BartakSR10 [50], WuBB09 [550], RuggieroBBMA09 [443], HoeveGSL07 [520], RossiTHP07 [442], BeckW07 [65], SureshMOK06 [482], GomesHS06 [216], Geske05 [205], BeckW04 [63], Beck99 [54], LammaMM97 [321]	IsikYA23 [271], ShaikhK23 [462], AbreuNP23 [146], OujanaAYB22 [410], JungblutK22 [276], AbreuN22 [145], YuraszeckMPV22 [556], Godet21a [209], AbreuAPNM21 [144], MokhtarzadehTNF20 [374], ZouZ20 [574], NishikawaSTT19 [397], Caballero19 [?], BorghesiBLMB18 [105], ZhangW18 [566], BlomPS16 [91], ZarandiKS16 [559], GrimesH15 [219], AlesioNBG14 [158], BlomBPS14 [90], TranTDB13 [510], BegB13 [67], HermenierDL11 [253], LopesCSM10 [349], Lombardi10 [340], SunLYL10 [481], BeniniBGM06 [80], ZhuS02 [571], SchildW00 [449], Wallace96 [536]	YuraszeckMC23 [555], KimCMLLP23 [291], Bit-Monnot23 [87], AlfieriGPS23 [11], MontemanniD23 [378], abs-2305-19888 [249], SquillaciPR23 [478], GurPAE23 [228], AkramNHRSA23 [9], abs-2211-14492 [480], NaderiBZ22 [387], ZhangBB22 [564], HeinzNVH22 [248], TouatBT22 [504], BoudreaultSLQ22 [107], Teppan22 [492], ColT22 [137], LiFJZLL22 [329], FarsiTM22 [177], WinterMMW22 [545], HamPK21 [231], Astrand21 [27], GeibingerKKMMW21 [198], PandeyS21a [412], Groleaz21 [222], FanXG21 [176], BenderWS21 [76], Lemos21 [324], KovacsTKSG21 [306]... (Total: 124)
Concepts	due-date	OujanaAYB22 [410], ColT22 [137], NaderiBZ22 [387], FanXG21 [176], AntuoriHHEN21 [17], Groleaz21 [222], Lunardi20 [354], AntuoriHHEN20 [16], AntunesABDEGGOL20 [15], ZarandiASC20 [560], TangB20 [486], Mercier-AubinGQ20 [372], abs-1902-09244 [236], Novas19 [399], abs-1911-04766 [199], GoldwaserS18 [214], Tesch18 [496], GoldwaserS17 [213], Dejemeppe16 [150], NovaraNH16 [398], Fahimi16 [?], BajestaniB15 [35], DoulabiRP14 [162], KoschB14 [298], HoundjiSWD14 [267], BajestaniB13 [34], TerekhovDOB12 [493], LimtanyakulS12 [335], KelbelH11 [287]... (Total: 52)	PrataAN23 [431], LacknerMMWW23 [319], IsikYA23 [271], NaderiRR23 [388], YunusogluY22 [554], abs-2211-14492 [480], WinterMMW22 [545], Godet21a [209], LacknerMMWW21 [318], GeibingerMM21 [201], GroleazNS20a [223], GeibingerMM19 [200], FahimiOQ18 [173], AntunesABDEGGOL18 [14], ZarandiKS16 [559], GrimesH15 [219], GrimesIOS14 [221], HeinzSB13 [247], GrimesH11 [218], Malapert11 [360], LombardiM10a [344], MakMS10 [359], Lombardi10 [340], SchuttW10 [459], Davenport10 [142], ThiruvadyBME09 [497], abs-0907-0939 [421], MouraSCL08a [380], Hooker07 [261]... (Total: 42)	abs-2402-00459 [394], YuraszeckMC23 [555], KimCMLLP23 [291], JuvinHHL23 [277], ZhangJZL22 [563], SubulanC22 [479], TouatBT22 [504], YuraszeckMPV22 [556], MullerMKP22 [382], Astrand21 [27], KlankeBYE21 [292], HubnerGSV21 [268], Bedhief21 [66], KovacsTKSG21 [306], VlkHT21 [534], Zahout21 [558], HanenKP21 [233], LunardiBLRV20 [353], MejiaY20 [368], Polo-MejiaALB20 [425], GroleazNS20 [224], AstrandJZ20 [30], Hooker19 [263], ParkUJR19 [416], EscobetPQPRA19 [170], GokgurHO18 [212], GedikKEK18 [197], LaborieRSV18 [317], Laborie18a [316]... (Total: 81)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	earliness	PrataAN23 [431], KimCMLLP23 [291], TouatBT22 [504], PohlAK22 [424], Groleaz21 [222], ZarandiASC20 [560], abs-1902-09244 [236], LaborieRSV18 [317], Dejemeppe16 [150], ZarandiKS16 [559], GrimesH15 [219], LombardiM12 [347], KelbelH11 [287], GrimesH11 [218], HartmannB10 [235], Laborie09 [315], MonetteDH09 [376], KeriK07 [288], DannaP03 [140], BeckR03 [62]	FarsiTM22 [177], MengZRZL20 [370], AntunesABDEGGOL20 [15], TerekhovDOB12 [493], KovacsB11 [301], Davenport10 [142], Baptiste02 [36]	abs-2402-00459 [394], NaderiRR23 [388], AbreuNP23 [146], IsikYA23 [271], AlfieriGPS23 [11], LacknerMMWW23 [319], YunusogluY22 [554], FanXG21 [176], LacknerMMWW21 [318], Polo-MejiaALB20 [425], Mercier-AubinGQ20 [372], ColT19 [136], GokgurHO18 [212], AntunesABDEGGOL18 [14], ZhangW18 [566], German18 [204], NovaraNH16 [398], KuB16 [310], Siala15a [467], VilimLS15 [532], LimBTBB15 [333], SialaAH15 [468], BajestaniB13 [34], HeinzB12 [243], EdisO11 [164], KovacsK11 [303], ZeballosQH10 [562], NovasH10 [400], KovacsB07 [299]... (Total: 38)
Concepts	flow-shop	PrataAN23 [431], CzerniachowskaWZ23 [139], NaderiRR23 [388], AlfieriGPS23 [11], IsikYA23 [271], JuvinHL23 [278], AbreuNP23 [146], ArmstrongGOS22 [21], OujanaAYB22 [410], ColT22 [137], ZhangJZL22 [563], AbreuN22 [145], LiFJZLL22 [329], Astrand21 [27], QinWSLS21 [433], ArmstrongGOS21 [20], Bedhief21 [66], Groleaz21 [222], AbreuAPNM21 [144], ZarandiASC20 [560], MengZRZL20 [370], Lunardi20 [354], AstrandJZ20 [30], Novas19 [399], ParkUJR19 [416], ZhangW18 [566], ZhouGL15 [570], GrimesH15 [219], BajestaniB15 [35]... (Total: 36)	Mehdizadeh-Somarin23 [367], NaderiBZ22 [387], YuraszeckMPV22 [556], Godet21a [209], KoehlerBFFHPSSS21 [294], FanXG21 [176], TangB20 [486], abs-1902-09244 [236], LaborieRSV18 [317], Dejemeppe16 [150], Fahimi16 [?], GrimesH11 [218], KovacsB11 [301], BartakSR10 [50], AggounB93 [7], BlazewiczLK83 [89]	TasselGS23 [489], AalianPG23 [1], YuraszeckMCCR23 [557], abs-2305-19888 [249], JuvinHHL23 [277], abs-2306-05747 [490], abs-2211-14492 [480], TouatBT22 [504], HeinzNVH22 [248], Teppan22 [492], LacknerMMWW21 [318], HillTV21 [254], Zahout21 [558], abs-2102-08778 [135], KovacsTKSG21 [306], PandeyS21a [412], HamPK21 [231], WallaceY20 [537], SacramentoSP20 [444], LunardiBLRV20 [353], WikarekS19 [544], RiahiNS018 [438], HookerH18 [265], GokgurHO18 [212], GoldwaserS18 [214], Nattaf16 [389], ZarandiKS16 [559], Kameugne14 [?], TranTDB13 [510]... (Total: 59)
Concepts	flow-time	YuraszeckMPV22 [556], FanXG21 [176], ZarandiASC20 [560], NattafM20 [392], MalapertN19 [361], ZhangW18 [566], TerekhovTDB14 [494], TranTDB13 [510], WuBB09 [550], Baptiste02 [36]	PrataAN23 [431], AlfieriGPS23 [11], YunusogluY22 [554], Malapert11 [360], BeckW07 [65]	TasselGS23 [489], abs-2306-05747 [490], YuraszeckMC23 [555], YuraszeckMCCR23 [557], LiFJZLL22 [329], AbreuN22 [145], KoehlerBFFHPSSS21 [294], MengZRZL20 [370], ParkUJR19 [416], Novas19 [399], BajestaniB15 [35], KovacsB11 [301], EdisO11 [164], QuirogaZH05 [436], BeckPS03 [61], BeckR03 [62]
Concepts	inventory	SubulanC22 [479], Astrand21 [27], German18 [204], GilesH16 [206], GoelSHFS15 [211], TerekhovDOB12 [493], SerraNM12 [461], LopesCSM10 [349], Jans09 [273], RossiTHP07 [442], Timpe02 [500], Beck99 [54], BeckDF97 [57]	ZarandiASC20 [560], Novas19 [399], Hooker19 [263], BajestaniB13 [34], HartmannB10 [235], MakMS10 [359], LauLN08 [322], MouraSCL08a [380], DavenportKRSH07 [143], GarganiR07 [190], BeckF00 [60], Simonis99 [473], Simonis95a [471]	PrataAN23 [431], PerezGSL23 [418], abs-2312-13682 [419], AlfieriGPS23 [11], GurPAE23 [228], AbreuN22 [145], PohlAK22 [424], YunusogluY22 [554], Groleaz21 [222], HubnerGSV21 [268], KovacsTKSG21 [306], GroleazNS20a [223], GroleazNS20 [224], abs-1902-09244 [236], YounespourAKE19 [552], WikarekS19 [544], Ham18 [230], LaborieRSV18 [317], ShinBBHO18 [465], Nattaf16 [389], SchuttS16 [458], Froger16 [186], SimoninAHL15 [470], TerekhovTDB14 [494], HoundjiSWD14 [267], KelarevaTK13 [286], HeinzSSW12 [245], LombardiM12 [347], KelbelH11 [287]... (Total: 44)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	job	PrataAN23 [431], abs-2402-00459 [394], KimCMLLP23 [291], JuvinHHL23 [277], AlfieriGPS23 [11], YuraszeckMC23 [555], AbreuNP23 [146], IsikYA23 [271], WangB23 [539], LacknerMMWW23 [319], Bit-Monnot23 [87], CzerniachowskaWZ23 [139], abs-2306-05747 [490], NaderiRR23 [388], JuvinHL23 [278], TasselGS23 [489], Mehdizadeh-Somarin23 [367], YuraszeckMCCR23 [557], LiFJZLL22 [329], TouatBT22 [504], YunusogluY22 [554], GeitzGSSW22 [202], MullerMKP22 [382], WinterMMW22 [545], ArmstrongGOS22 [21], OujanaAYB22 [410], AbreuN22 [145], ZhangBB22 [564], ZhangJZL22 [563]... (Total: 238)	EfthymiouY23 [165], ShaikhK23 [462], abs-2305-19888 [249], HeinzNVH22 [248], BourreauGGLT22 [108], LuoB22 [356], HanenKP21 [233], Lemos21 [324], Mercier-AubinGQ20 [372], MokhtarzadehTNF20 [374], Tom19 [501], EscobetPQPRA19 [170], GurEA19 [575], German18 [204], PourDERB18 [427], CappartS17 [117], NattafAL17 [391], ZarandiKS16 [559], Madi-WambaB16 [357], TranWDRFOVB16 [513], LetortCB15 [328], Derrien15 [155], ZhouGL15 [570], PraletLJ15 [430], BonfiettiLBM14 [99], BonfiettiLM14 [101], ThiruvadyWGS14 [498], Kameugne14 [?], LombardiM12 [347]... (Total: 49)	PovedaAA23 [428], CampeauG22 [116], PohlAK22 [424], KlankeBYE21 [292], HubnerGSV21 [268], AntuoriHHEN21 [17], BenderWS21 [76], WessenCS20 [543], AntuoriHHEN20 [16], QinDCS20 [434], Polo-MejiaALB20 [425], FrimodigS19 [185], CauwelaertLS18 [125], TangLWSK18 [487], HoYCLLCLC18 [255], BaptisteB18 [38], ShinBBHO18 [465], TranVNB17 [511], HechingH16 [241], NovaraNH16 [398], BurtLPS15 [114], WangMD15 [540], LimBTBB15 [333], BartakV15 [51], LombardiBM15 [341], MelgarejoLS15 [8], LouieVNB14 [352], BessiereHMQW14 [84], DerrienPZ14 [157]... (Total: 79)
Concepts	job-shop	abs-2402-00459 [394], PrataAN23 [431], abs-2306-05747 [490], Mehdizadeh-Somarin23 [367], KimCMLLP23 [291], CzerniachowskaWZ23 [139], JuvinHHL23 [277], Bit-Monnot23 [87], NaderiRR23 [388], AbreuNP23 [146], YuraszeckMCCR23 [557], TasselGS23 [489], MullerMKP22 [382], Teppan22 [492], OujanaAYB22 [410], ZhangBB22 [564], abs-2211-14492 [480], YuraszeckMPV22 [556], LiFJZLL22 [329], GeitzGSSW22 [202], ColT22 [137], Astrand21 [27], HamPK21 [231], KovacsTKSG21 [306], Groleaz21 [222], abs-2102-08778 [135], AbreuAPNM21 [144], FanXG21 [176], ZhangYW21 [565]... (Total: 118)	IsikYA23 [271], EfthymiouY23 [165], AlfieriGPS23 [11], NaderiBZ22 [387], TouatBT22 [504], YunusogluY22 [554], AbreuN22 [145], LuoB22 [356], QinWSLS21 [433], ArmstrongGOS21 [20], Astrand0F21 [28], KoehlerBFFHPSSS21 [294], Godet21a [209], GroleazNS20 [224], MejiaY20 [368], SacramentoSP20 [444], EscobetPQPRA19 [170], WikarekS19 [544], GokgurHO18 [212], German18 [204], MossigeGSMC17 [379], CappartS17 [117], Derrien15 [155], BonfiettiLM14 [101], GaySS14 [196], BonfiettiLBM14 [99], Kameugne14 [?], BajestaniB13 [34], Letort13 [325]... (Total: 50)	ShaikhK23 [462], YuraszeckMC23 [555], PovedaAA23 [428], LacknerMMWW23 [319], JuvinHL23 [278], HanenKP21 [233], Lemos21 [324], Zahout21 [558], KlankeBYE21 [292], AntuoriHHEN21 [17], BenediktMH20 [78], WessenCS20 [543], AntuoriHHEN20 [16], Mercier-AubinGQ20 [372], WallaceY20 [537], Tom19 [501], Hooker19 [263], GurEA19 [575], FrimodigS19 [185], BogaerdtW19 [518], abs-1902-09244 [236], ParkUJR19 [416], BenediktSMVH18 [79], Ham18 [230], CauwelaertLS18 [125], Nattaf16 [389], TranWDRFOVB16 [513], TranDRFWOVB16 [508], LuoVLBM16 [355]... (Total: 88)
Concepts	lateness	Groleaz21 [222], FahimiOQ18 [173], Dejemeppe16 [150], Fahimi16 [?], KoschB14 [298], Malapert11 [360], HartmannB10 [235], BartakSR10 [50], Geske05 [205], Baptiste02 [36], ArtiguesR00 [25]	PrataAN23 [431], PohlAK22 [424], AntunesABDEGGOL20 [15], ZarandiASC20 [560], ZhangW18 [566], AkkerDH07 [517], Sadykov04 [445], AdamsBZ88 [6], BlazewiczLK83 [89]	LacknerMMWW23 [319], YunusogluY22 [554], NaderiBZ22 [387], ZhangBB22 [564], GeitzGSSW22 [202], ColT22 [137], KoehlerBFFHPSSS21 [294], HanenKP21 [233], QinWSLS21 [433], LacknerMMWW21 [318], Godet21a [209], Lunardi20 [354], Novas19 [399], ParkUJR19 [416], AntunesABDEGGOL18 [14], Tesch18 [496], GrimesH15 [219], BartakV15 [51], TerekhovDOB12 [493], EdisO11 [164], NovasH10 [400], WuBB09 [550], SadykovW06 [446], Bartak02 [46], CarlierP90 [121], CarlierP89 [120]
Concepts	lazy clause generation	Caballero19 [?], KreterSSZ18 [309], KreterSS17 [308], Siala15a [467], KreterSS15 [307], SchuttFS13 [452], SchuttFSW13 [456], KelarevaTK13 [286], SchuttFS13a [451], SchuttFSW11 [455], Schutt11 [?], abs-1009-0347 [454], OhrimenkoSC09 [406], SchuttFSW09 [453]	PovedaAA23 [428], Bit-Monnot23 [87], BoudreaultSLQ22 [107], GeitzGSSW22 [202], OuelletQ22 [409], FahimiOQ18 [173], SchuttS16 [458], SzerediS16 [484], SialaAH15 [468], BofillEGPSV14 [94], GuSS13 [226], SchuttCSW12 [450]	WangB23 [539], TardivoDFMP23 [488], KameugneFND23 [282], FetgoD22 [179], GeibingerMM21 [201], Godet21a [209], HillTV21 [254], GodetLHS20 [210], WallaceY20 [537], Mercier-AubinGQ20 [372], YangSS19 [551], BaptisteB18 [38], GoldwaserS18 [214], YoungFS17 [553], BofillCSV17 [93], GoldwaserS17 [213], PesantRR15 [420], GuSW12 [227], LombardiM12 [347], GrimesH11 [218], Lombardi10 [340], SchuttW10 [459]

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	machine	abs-2402-00459 [394], PrataAN23 [431], IsikYA23 [271], CzerniachowskaWZ23 [139], YuraszeckMCCR23 [557], AbreuNP23 [146], NaderiRR23 [388], TasselGS23 [489], Mehdizadeh-Somarin23 [367], AalianPG23 [1], JuvinHL23 [278], PerezGSL23 [418], JuvinHHL23 [277], abs-2312-13682 [419], LacknerMMWW23 [319], EfthymiouY23 [165], abs-2306-05747 [490], AlfieriGPS23 [11], YuraszeckMC23 [555], abs-2305-19888 [249], KimCMLLP23 [291], LiFJZLL22 [329], ArmstrongGOS22 [21], JungblutK22 [276], abs-2211-14492 [480], GeitzGSSW22 [202], YuraszeckMPV22 [556], ZhangJZL22 [563], AbreuN22 [145]... (Total: 229)	Bit-Monnot23 [87], AkramNHRSA23 [9], GurPAE23 [228], LuoB22 [356], HillTV21 [254], KlankeBYE21 [292], Lemos21 [324], AbohashimaEG21 [2], AntuoriHHEN20 [16], Polo-MejiaALB20 [425], BehrensLM19 [68], GoldwaserS18 [214], BaptisteB18 [38], He0GLW18 [237], Ham18 [230], ShinBBHO18 [465], MusliuSS18 [386], FahimiOQ18 [173], GoldwaserS17 [213], KreterSS17 [308], CohenHB17 [134], Pralet17 [429], BridiLBBM16 [111], SchuttS16 [458], CauwelaertDMS16 [124], ZarandiKS16 [559], BlomPS16 [91], TranWDRFOVB16 [513], SialaAH15 [468]... (Total: 63)	KameugneFND23 [282], MontemanniD23 [378], ShaikhK23 [462], BoudreaultSLQ22 [107], PopovicCGNC22 [426], SubulanC22 [479], PohlAK22 [424], GeibingerMM21 [201], WallaceY20 [537], WangB20 [538], BarzegaranZP20 [53], Mercier-AubinGQ20 [372], YangSS19 [551], BadicaBIL19 [32], NishikawaSTT19 [397], Tom19 [501], YounespourAKE19 [552], KreterSSZ18 [309], HoYCLLCLC18 [255], PourDERB18 [427], Laborie18a [316], AntunesABDEGGOL18 [14], CauwelaertLS18 [125], BofillCSV17 [93], CappartS17 [117], TranVNB17 [511], TranVNB17a [512], KletzanderM17 [293], YoungFS17 [553]... (Total: 114)
Concepts	make to order			OujanaAYB22 [410], DavenportKRSH07 [143], Simonis07 [474]
Concepts	make to stock			
Concepts	make-span	PrataAN23 [431], JuvinHL23 [278], AbreuNP23 [146], EfthymiouY23 [165], PovedaAA23 [428], AlfieriGPS23 [11], abs-2305-19888 [249], NaderiRR23 [388], TasselGS23 [489], Bit-Monnot23 [87], abs-2306-05747 [490], AalianPG23 [1], CzerniachowskaWZ23 [139], LacknerMMWW23 [319], JuvinHHL23 [277], YuraszeckMC23 [555], IsikYA23 [271], Mehdizadeh-Somarin23 [367], HeinzNVH22 [248], AbreuN22 [145], GeitzGSSW22 [202], BoudreaultSLQ22 [107], YunusogluY22 [554], SubulanC22 [479], ArmstrongGOS22 [21], ZhangBB22 [564], TouatBT22 [504], ColT22 [137], FarsiTM22 [177]... (Total: 173)	YuraszeckMCCR23 [557], abs-2312-13682 [419], PerezGSL23 [418], KameugneFND23 [282], MullerMKP22 [382], SvancaraB22 [483], OujanaAYB22 [410], ZhangJZL22 [563], abs-2211-14492 [480], YuraszeckMPV22 [556], LiFJZLL22 [329], PandeyS21a [412], FanXG21 [176], QinDCS20 [434], AstrandJZ18 [29], KreterSS17 [308], YoungFS17 [553], BonfiettiZLM16 [103], HamC16 [232], KuB16 [310], GingrasQ16 [207], SialaAH15 [468], DejemeppeCS15 [151], GayHLS15 [193], BajestaniB15 [35], BonfiettiLBM14 [99], ThiruvadyWGS14 [498], KameugneFSN14 [284], GuSS13 [226]... (Total: 49)	KimCMLLP23 [291], TardivoDFMP23 [488], Teppan22 [492], PopovicCGNC22 [426], CampeauG22 [116], JungblutK22 [276], FetgoD22 [179], NaderiBZ22 [387], HanenKP21 [233], KoehlerBFFHPSSS21 [294], HubnerGSV21 [268], Mercier-AubinGQ20 [372], TangB20 [486], CauwelaertDS20 [126], NattafM20 [392], SacramentoSP20 [444], NishikawaSTT19 [397], MurinR19 [383], abs-1911-04766 [199], BadicaBIL19 [32], Tom19 [501], GeibingerMM19 [200], NishikawaSTT18 [395], BorghesiBLMB18 [105], ArbaouiY18 [19], Ham18 [230], NishikawaSTT18a [396], OuelletQ18 [408], TranPZLDB18 [509]... (Total: 92)
Concepts	manpower	NovaraNH16 [398]	LaborieRSV18 [317], Froger16 [186]	BourreauGGLT22 [108], BadicaBI20 [31], MokhtarzadehTNF20 [374], WikarekS19 [544], BaptisteB18 [38], MusliuSS18 [386], SchuttS16 [458], HechingH16 [241], GayHS15a [195], GaySS14 [196], Clercq12 [147], LombardiM12 [347], Menana11 [369], Vilim11 [529], HartmannB10 [235], NovasH10 [400], Simonis99 [473], BruckerDMNP99 [112], NuijtenP98 [404], KolischS97 [295], SimonisC95 [476], Simonis95a [471], Puget95 [432]
Concepts	multi-agent	SvancaraB22 [483], Zahout21 [558], ZarandiASC20 [560], BehrensLM19 [68], He0GLW18 [237], HoeveGSL07 [520]	Lemos21 [324], MokhtarzadehTNF20 [374], abs-1901-07914 [69], TranVNB17 [511], LimHTB16 [332], BartakSR10 [50], BocewiczBB09 [92]	abs-2402-00459 [394], Mehdizadeh-Somarin23 [367], SquillaciPR23 [478], AbreuAPNM21 [144], ZhangYW21 [565], MejiaY20 [368], WessenCS20 [543], WikarekS19 [544], BadicaBIL19 [32], ZhangW18 [566], HookerH18 [265], LimBTBB15 [333], KoschB14 [298], BartakS11 [49], HartmannB10 [235], Jans09 [273], GomesHS06 [216], AbrilSB05 [4], Beck99 [54], BeckF98 [59], Wallace96 [536]
Concepts	no preempt			ColT22 [137], TouatBT22 [504], FanXG21 [176], Bedhief21 [66], Lunardi20 [354], MengZRZL20 [370], ParkUJR19 [416], TerekhovTDB14 [494], HartmannB10 [235], MonetteDD07 [375], BeckW07 [65], Baptiste02 [36], ArtiguesR00 [25], BlazewiczLK83 [89]

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	open-shop	PrataAN23 [431], Bit-Monnot23 [87], AbreuNP23 [146], NaderiRR23 [388], YuraszeckMPV22 [556], AbreuN22 [145], AbreuAPNM21 [144], Groleaz21 [222], ZarandiASC20 [560], MejiaY20 [368], Lunardi20 [354], FahimiOQ18 [173], Fahimi16 [**?**], Siala15a [467], GrimesH15 [219], Malapert11 [360], GrimesHM09 [220], OhrimenkoSC09 [406], MonetteDD07 [375], Elkhyari03 [166], Baptiste02 [36], LorigeonBB02 [351], FocacciLN00 [180], Taillard93 [485]	Godet21a [209], Astrand21 [27], SacramentoSP20 [444], MengZRZL20 [370], Dejemeppe16 [150], TerekhovDOB12 [493], Schutt11 [**?**], GrimesH10 [217], Vilim05 [526], Demassey03 [153], BlazewiczLK83 [89]	YuraszeckMCCR23 [557], YuraszeckMC23 [555], KimCMLLP23 [291], ShaikhK23 [462], NaderiBZ22 [387], OujanaAYB22 [410], ColT22 [137], Astrand0F21 [28], abs-2102-08778 [135], AstrandJZ20 [30], ParkUJR19 [416], HookerH18 [265], SialaAH15 [468], Derrien15 [155], BonfiettiLM14 [101], AlesioNBG14 [158], BillautHL12 [86], SchuttFSW11 [455], GrimesH11 [218], HartmannB10 [235], BartakSR10 [50], SchuttFSW09 [453], ThiruvadyBME09 [497], VilimBC05 [531], ArtiouchineB05 [26], HentenryckM04 [251], VilimBC04 [530], Vilim03 [524], ElkhyariGJ02a [168]... (Total: 32)
Concepts	order	abs-2402-00459 [394], PrataAN23 [431], EfthymiouY23 [165], AbreuNP23 [146], AlfieriGPS23 [11], abs-2312-13682 [419], CzerniachowskaWZ23 [139], TasselGS23 [489], AalianPG23 [1], abs-2306-05747 [490], Bit-Monnot23 [87], JuvinHL23 [278], WangB23 [539], KameugneFND23 [282], LacknerMMWW23 [319], PerezGSL23 [418], JuvinHHL23 [277], SquillaciPR23 [478], IsikYA23 [271], YuraszeckMCCR23 [557], KimCMLLP23 [291], PovedaAA23 [428], PopovicCGNC22 [426], BoudreaultSLQ22 [107], LuoB22 [356], CampeauG22 [116], YunusogluY22 [554], AbreuN22 [145], BourreauGGLT22 [108]... (Total: 363)	MontemanniD23a [377], ShaikhK23 [462], abs-2305-19888 [249], NaderiRR23 [388], TardivoDFMP23 [488], YuraszeckMC23 [555], GurPAE23 [228], OuelletQ22 [409], SvancaraB22 [483], ZhangBB22 [564], ArmstrongGOS22 [21], WinterMMW22 [545], HeinzNVH22 [248], JungblutK22 [276], TouatBT22 [504], BenderWS21 [76], GeibingerMM21 [201], HillTV21 [254], abs-2102-08778 [135], QinDCS20 [434], WallaceY20 [537], ZouZ20 [574], AntunesABDEGGOL20 [15], TangB20 [486], ColT19 [136], BogaerdtW19 [518], FrohnerTR19 [187], YounespourAKE19 [552], Hooker19 [263]... (Total: 102)	MontemanniD23 [378], AkramNHRSA23 [9], Mehdizadeh-Somarin23 [367], ZhangJZL22 [563], AbohashimaEG21 [2], ZhangYW21 [565], MokhtarzadehTNF20 [374], KucukY19 [313], abs-1902-01193 [10], GalleguillosKSB19 [189], ArbaouiY18 [19], BenediktSMVH18 [79], He0GLW18 [237], TranVNB17a [512], Hooker17 [262], Bonfietti16 [96], SzerediS16 [484], HechingH16 [241], BridiLBBM16 [111], HurleyOS16 [269], Derrien15 [155], GayHS15a [195], ThiruvadyWGS14 [498], DoulabiRP14 [162], Kameugne14 [**?**], GuSS13 [226], LombardiM13 [348], Letort13 [325], SchuttFS13 [452]... (Total: 62)
Concepts	precedence	abs-2402-00459 [394], PovedaAA23 [428], YuraszeckMCCR23 [557], NaderiRR23 [388], IsikYA23 [271], AlfieriGPS23 [11], JuvinHHL23 [277], FetgoD22 [179], PohlAK22 [424], CampeauG22 [116], YunusogluY22 [554], ZhangBB22 [564], BoudreaultSLQ22 [107], Godet21a [209], GeibingerMM21 [201], HamPK21 [231], HanenKP21 [233], Astrand0F21 [28], Astrand21 [27], HillTV21 [254], KoehlerBFFHPSSS21 [294], FanXG21 [176], HubnerGSV21 [268], ArmstrongGOS21 [20], Groleaz21 [222], ZhangYW21 [565], GroleazNS20 [224], SacramentoSP20 [444], Polo-MejiaALB20 [425]... (Total: 156)	Bit-Monnot23 [87], KameugneFND23 [282], TardivoDFMP23 [488], OujanaAYB22 [410], SubulanC22 [479], ColT22 [137], Zahout21 [558], VlkHT21 [534], AntuoriHHEN21 [17], WessenCS20 [543], MokhtarzadehTNF20 [374], QinDCS20 [434], GeibingerMM19 [200], Novas19 [399], abs-1911-04766 [199], ColT19 [136], BogaerdtW19 [518], MurinR19 [383], Ham18 [230], KameugneFGOQ18 [281], Madi-WambaLOBM17 [358], MossigeGSMC17 [379], Madi-WambaB16 [357], KuB16 [310], GayHLS15 [193], VilimLS15 [532], BurtLPS15 [114], LombardiBM15 [341], BartakV15 [51]... (Total: 68)	PrataAN23 [431], KimCMLLP23 [291], JuvinHL23 [278], TasselGS23 [489], abs-2305-19888 [249], Mehdizadeh-Somarin23 [367], abs-2306-05747 [490], YuraszeckMC23 [555], MullerMKP22 [382], WinterMMW22 [545], abs-2211-14492 [480], HeinzNVH22 [248], BourreauGGLT22 [108], ZhangJZL22 [563], GeitzGSSW22 [202], TouatBT22 [504], Lemos21 [324], KovacsTKSG21 [306], PandeyS21a [412], AbreuAPNM21 [144], AntunesABDEGGOL20 [15], TangB20 [486], GroleazNS20a [223], BaptisteB18 [38], He0GLW18 [237], OuelletQ18 [408], GokgurHO18 [212], DemirovicS18 [154], TranVNB17 [511]... (Total: 99)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	preempt	JuvinHHL23 [277], PovedaAA23 [428], SubulanC22 [479], Groleaz21 [222], Godet21a [209], HanenKP21 [233], Polo-MejiaALB20 [425], ZarandiASC20 [560], BaptisteB18 [38], GokgurHO18 [212], FahimiOQ18 [173], Dejemeppe16 [150], ZarandiKS16 [559], Fahimi16 [?], EvenSH15 [171], EvenSH15a [172], AlesioNBG14 [158], LombardiM12 [347], BeldiceanuCDP11 [72], KovacsB11 [301], Schutt11 [?], BartakSR10 [50], HartmannB10 [235], Lombardi10 [340], KovacsB07 [299], MonetteDD07 [375], Wolf03 [546], Baptiste02 [36], BaptisteP00 [41]... (Total: 35)	PrataAN23 [431], abs-2305-19888 [249], OuelletQ22 [409], FetgoD22 [179], HeinzNVH22 [248], Zahout21 [558], Astrand21 [27], SacramentoSP20 [444], Mercier-AubinGQ20 [372], Lunardi20 [354], LunardiBLRV20 [353], Caballero19 [?], YoungFS17 [553], NattafAL15 [390], SimoninAHL15 [470], TerekhovTDB14 [494], OzturkTHO13 [411], BajestaniB13 [34], SimoninAHL12 [469], SchuttFSW11 [455], Malapert11 [360], SchuttFSW09 [453], Laborie09 [315], KovacsB08 [300], ArtiouchineB05 [26], SourdN00 [477], Beck99 [54], NuijtenP98 [404], KolischS97 [295]	NaderiRR23 [388], TasselGS23 [489], AalianPG23 [1], TardivoDFMP23 [488], YuraszeckMC23 [555], YuraszeckMCCR23 [557], KameugneFND23 [282], AkramNHRSA23 [9], AbreuNP23 [146], abs-2306-05747 [490], IsikYA23 [271], Mehdizadeh-Somarin23 [367], AbreuN22 [145], ZhangBB22 [564], TouatBT22 [504], Teppan22 [492], GeitzGSSW22 [202], BoudreaultSLQ22 [107], ColT22 [137], MullerMKP22 [382], YunusogluY22 [554], OujanaAYB22 [410], JungblutK22 [276], Bedhief21 [66], BenderWS21 [76], FanXG21 [176], QinWSLS21 [433], KovacsTKSG21 [306], HubnerGSV21 [268]... (Total: 138)
Concepts	producer/consumer	SchuttS16 [458], PoderBS04 [423], Kumar03 [312], Beck99 [54], SimonisC95 [476]	HermenierDL11 [253], BeldiceanuC02 [71], Simonis99 [473], Simonis95a [471]	GeitzGSSW22 [202], KlankeBYE21 [292], CappartTSR18 [118], BlomPS16 [91], LombardiM12a [346], PoderB08 [422], Simonis07 [474], Timpe02 [500], SimonisCK00 [475], Simonis95 [472]
Concepts	re-scheduling	Astrand21 [27], Lemos21 [324], HamPK21 [231], Groleaz21 [222], BarzegaranZP20 [53], ZarandiASC20 [560], ZhangW18 [566], Madi-WambaLOBM17 [358], CappartS17 [117], Froger16 [186], BartakV15 [51], GrimesIOS14 [221], TranTDB13 [510], BajestaniB13 [34], RendlPHPR12 [437], LombardiM12 [347], IfrimOS12 [270], NovasH10 [400], BidotVLB09 [85], Laborie03 [314], Baptiste02 [36], MartinPY01 [365], ArtiguesR00 [25]	Mehdizadeh-Somarin23 [367], Zahout21 [558], KovacsTKSG21 [306], AntunesABDEGGOL20 [15], AstrandJZ20 [30], AntunesABDEGGOL18 [14], TranPZLDB18 [509], HoYCLLCLC18 [255], HurleyOS16 [269], LimHTB16 [332], LimBTBB15 [333], Lombardi10 [340], CobanH10 [133], Acuna-AgostMFG09 [5], Elkhyari03 [166], Beck99 [54]	PrataAN23 [431], abs-2312-13682 [419], abs-2306-05747 [490], EfthymiouY23 [165], ShaikhK23 [462], abs-2305-19888 [249], TasselGS23 [489], GurPAE23 [228], NaderiRR23 [388], PerezGSL23 [418], BourreauGGLT22 [108], FarsiTM22 [177], YunusogluY22 [554], HeinzNVH22 [248], ArmstrongGOS22 [21], LuoB22 [356], PohlAK22 [424], YuraszeckMPV22 [556], KlankeBYE21 [292], PandeyS21a [412], ZhangYW21 [565], Lunardi20 [354], BenediktMH20 [78], MejiaY20 [368], LunardiBLRV20 [353], NishikawaSTT19 [397], YounespourAKE19 [552], GalleguillosKSB19 [189], Tom19 [501]... (Total: 77)
Concepts	release-date	WinterMMW22 [545], YunusogluY22 [554], YuraszeckMPV22 [556], Groleaz21 [222], HanenKP21 [233], Bedhief21 [66], Polo-MejiaALB20 [425], EscobetPQPRA19 [170], Tesch18 [496], KameugneFSN14 [284], LimtanyakulS12 [335], TerekhovDOB12 [493], SerraNM12 [461], KameugneFSN11 [283], KovacsB11 [301], Lombardi10 [340], LombardiM10a [344], BartakSR10 [50], HartmannB10 [235], abs-0907-0939 [421], MercierH08 [371], KovacsB07 [299], Hooker07 [261], AkkerDH07 [517], SadykovW06 [446], ArtiouchineB05 [26], Hooker05 [258], SchuttWS05 [460], Hooker04 [257]... (Total: 34)	PrataAN23 [431], LacknerMMWW23 [319], LacknerMMWW21 [318], Godet21a [209], AntuoriHHEN20 [16], GroleazNS20 [224], ZarandiASC20 [560], GroleazNS20a [223], abs-1911-04766 [199], GeibingerMM19 [200], Dejemeppe16 [150], HeinzSB13 [247], KelbelH11 [287], Laborie09 [315], Limtanyakul07 [334], Simonis07 [474], Hooker06 [260], Hooker05a [259], WuBB05 [549], Sadykov04 [445], HarjunkoskiG02 [234], JainG01 [272], TorresL00 [503], SourdN00 [477], BruckerDMNP99 [112], Beck99 [54], BeckF98 [59]	PovedaAA23 [428], IsikYA23 [271], YuraszeckMC23 [555], TouatBT22 [504], PohlAK22 [424], AntuoriHHEN21 [17], GeibingerMM21 [201], ZhangYW21 [565], HillTV21 [254], AbreuAPNM21 [144], Zahout21 [558], KovacsTKSG21 [306], Astrand21 [27], GodetLHS20 [210], Lunardi20 [354], MejiaY20 [368], Novas19 [399], Hooker19 [263], abs-1902-09244 [236], Caballero19 [?], LaborieRSV18 [317], KreterSSZ18 [309], Laborie18a [316], GokgurHO18 [212], HookerH18 [265], NattafAL17 [391], TranAB16 [506], Froger16 [186], NattafAL15 [390]... (Total: 69)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	resource	PrataAN23 [431], abs-2402-00459 [394], JuvinHHL23 [277], KameugneFND23 [282], PovedaAA23 [428], YuraszeckMCCR23 [557], abs-2305-19888 [249], CzerniachowskaWZ23 [139], ShaikhK23 [462], AlfieriGPS23 [11], NaderiRR23 [388], AalianPG23 [1], WangB23 [539], TardivoDFMP23 [488], GurPAE23 [228], NaderiBZ22 [387], BourreauGGLT22 [108], HeinzNVH22 [248], ZhangBB22 [564], GeitzGSSW22 [202], LuoB22 [356], AbreuN22 [145], BoudreaultSLQ22 [107], TouatBT22 [504], YunusogluY22 [554], CampeauG22 [116], SubulanC22 [479], OuelletQ22 [409], FarsiTM22 [177]... (Total: 359)	Caballero23 [115], PerezGSL23 [418], abs-2312-13682 [419], IsikYA23 [271], abs-2306-05747 [490], TasselGS23 [489], Bit-Monnot23 [87], AbreuNP23 [146], abs-2211-14492 [480], PohlAK22 [424], YuraszeckMPV22 [556], MullerMKP22 [382], WinterMMW22 [545], SvancaraB22 [483], Astrand0F21 [28], KlankeBYE21 [292], MokhtarzadehTNF20 [374], TangB20 [486], LunardiBLRV20 [353], WallaceY20 [537], FrimodigS19 [185], abs-1902-01193 [10], ParkUJR19 [416], HoYCLLCLC18 [255], GedikKEK18 [197], Ham18 [230], BenediktSMVH18 [79], GelainPRVW17 [203], GoldwaserS17 [213]... (Total: 56)	MontemanniD23 [378], AkramNHRSA23 [9], SquillaciPR23 [478], Teppan22 [492], PopovicCGNC22 [426], ArmstrongGOS22 [21], JungblutK22 [276], ZhangJZL22 [563], AntuoriHHEN21 [17], HamPK21 [231], AbreuAPNM21 [144], AbohashimaEG21 [2], KoehlerBFFHPSSS21 [294], ArmstrongGOS21 [20], FanXG21 [176], abs-2102-08778 [135], MejiaY20 [368], BarzegaranZP20 [53], NattafM20 [392], BadicaBIL19 [32], KucukY19 [313], ColT19 [136], AstrandJZ18 [29], ZhangW18 [566], KletzanderM17 [293], TranVNB17a [512], Hooker17 [262], ZarandiKS16 [559], HamC16 [232]... (Total: 65)
Concepts	scheduling	abs-2402-00459 [394], PrataAN23 [431], AbreuNP23 [146], TasselGS23 [489], Bit-Monnot23 [87], IsikYA23 [271], AalianPG23 [1], abs-2305-19888 [249], abs-2312-13682 [419], PerezGSL23 [418], abs-2306-05747 [490], JuvinHHL23 [277], TardivoDFMP23 [488], YuraszeckMC23 [555], Mehdizadeh-Somarin23 [367], MontemanniD23 [378], KimCMLLP23 [291], AkramNHRSA23 [9], ShaikhK23 [462], KameugneFND23 [282], LacknerMMWW23 [319], GurPAE23 [228], PovedaAA23 [428], EfthymiouY23 [165], AlfieriGPS23 [11], SquillaciPR23 [478], Caballero23 [115], CzerniachowskaWZ23 [139], YuraszeckMCCR23 [557]... (Total: 513)	HebrardALLCMR22 [238], GayHS15 [194], Kameugne15 [280], BessiereHMQW14 [84], HoundjiSWD14 [267], LetortCB13 [327], LetortBC12 [326], ChapadosJR11 [128], ClercqPBJ11 [132], Baptiste09 [37], Acuna-AgostMFG09 [5], abs-0907-0939 [421], GomesHS06 [216], MoffittPP05 [373], WuBB05 [549], DilkinaDH05 [159], HebrardTW05 [240], Vilim03 [524], ValleMGT03 [516], Vilim02 [523], HookerY02 [266], RodriguezDG02 [440], CestaOS98 [127], FrostD98 [188], Touraivane95 [505]	Hooker17 [262], RossiTHP07 [442], AbrilSB05 [4], VanczaM01 [521], DechterMP91 [149]
Concepts	sequence dependent setup	Groleaz21 [222], GedikKEK18 [197], TranAB16 [506], HamC16 [232], TranB12 [507], FocacciLN00 [180]	IsikYA23 [271], YuraszeckMPV22 [556], GeitzGSSW22 [202], MengZRZL20 [370], CauwelaertDS20 [126], ZarandiASC20 [560], RiahiNS018 [438], Dejemeppe16 [150], GrimesH15 [219], LombardiM12 [347], Simonis07 [474], ArtiguesBF04 [23]	PrataAN23 [431], NaderiRR23 [388], abs-2305-19888 [249], YunusogluY22 [554], PohlAK22 [424], HeinzNVH22 [248], OujanaAYB22 [410], Bedhief21 [66], HamPK21 [231], ArmstrongGOS21 [20], Astrand21 [27], Mercier-AubinGQ20 [372], MejiaY20 [368], MalapertN19 [361], Novas19 [399], Hooker19 [263], KucukY19 [313], ArbaouiY18 [19], LaborieRSV18 [317], Ham18 [230], FahimiOQ18 [173], HookerH18 [265], Pralet17 [429], CauwelaertDMS16 [124], NovaraNH16 [398], Fahimi16 [**?**], DejemeppeCS15 [151], BajestaniB15 [35], Siala15a [467]... (Total: 39)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	setup-time	PrataAN23 [431], LacknerMMWW23 [319], IsikYA23 [271], abs-2305-19888 [249], AbreuNP23 [146], NaderiRR23 [388], YuraszeckMPV22 [556], PohlAK22 [424], GeitzGSSW22 [202], NaderiBZ22 [387], WinterMMW22 [545], HeinzNVH22 [248], AbreuN22 [145], OujanaAYB22 [410], YunusogluY22 [554], ColT22 [137], Groleaz21 [222], LacknerMMWW21 [318], Astrand21 [27], Lunardi20 [354], NattafM20 [392], MejiaY20 [368], GroleazNS20 [224], Mercier-AubinGQ20 [372], QinDCS20 [434], LunardiBLRV20 [353], CauwelaertDS20 [126], ZarandiASC20 [560], GroleazNS20a [223]... (Total: 56)	AlfieriGPS23 [11], CzerniachowskaWZ23 [139], KimCMLLP23 [291], LiFJZLL22 [329], Bedhief21 [66], AbreuAPNM21 [144], ArmstrongGOS21 [20], FanXG21 [176], AstrandJZ20 [30], LaborieRSV18 [317], HookerH18 [265], HamC16 [232], NovaraNH16 [398], GaySS14 [196], OzturkTHO13 [411], KelarevaTK13 [286], Malapert11 [360], ThiruvadyBME09 [497], BeniniBGM06 [80], HarjunkoskiG02 [234], Timpe02 [500], Vilim02 [523]	YuraszeckMCCR23 [557], JuvinHHL23 [277], JuvinHL23 [278], Mehdizadeh-Somarin23 [367], EfthymiouY23 [165], abs-2211-14492 [480], ZhangJZL22 [563], MullerMKP22 [382], Teppan22 [492], HamPK21 [231], ZhangYW21 [565], AbohashimaEG21 [2], BenderWS21 [76], GodetLHS20 [210], MokhtarzadehTNF20 [374], Polo-MejiaALB20 [425], BehrensLM19 [68], abs-1902-09244 [236], KucukY19 [313], WikarekS19 [544], Caballero19 [?], GokgurHO18 [212], CappartTSR18 [118], German18 [204], FahimiOQ18 [173], TranVNB17a [512], GilesH16 [206], Fahimi16 [?], Siala15a [467]... (Total: 61)
Concepts	stock level	LopesCSM10 [349], SimonisC95 [476]	German18 [204], RossiTHP07 [442], Timpe02 [500], Simonis99 [473]	KhemmoudjPB06 [290], SimonisCK00 [475], Beck99 [54], Simonis95a [471]
Concepts	tardiness	PrataAN23 [431], IsikYA23 [271], AlfieriGPS23 [11], KimCMLLP23 [291], LacknerMMWW23 [319], NaderiRR23 [388], WinterMMW22 [545], TouatBT22 [504], YunusogluY22 [554], AbreuN22 [145], OujanaAYB22 [410], NaderiBZ22 [387], PohlAK22 [424], abs-2211-14492 [480], Groleaz21 [222], FanXG21 [176], AntuoriHHEN21 [17], LacknerMMWW21 [318], ZarandiASC20 [560], GroleazNS20a [223], Mercier-AubinGQ20 [372], AntuoriHHEN20 [16], MengZRZL20 [370], TangB20 [486], abs-1902-09244 [236], ParkUJR19 [416], Hooker19 [263], BogaerdtW19 [518], LaborieRSV18 [317]... (Total: 59)	abs-2402-00459 [394], AbreuNP23 [146], SubulanC22 [479], FarsiTM22 [177], ColT22 [137], KovacsTKSG21 [306], AbreuAPNM21 [144], GroleazNS20 [224], Lunardi20 [354], GedikKEK18 [197], GokgurHO18 [212], Hooker17 [262], TranAB16 [506], ThiruvadyWGS14 [498], TerekhovTDB14 [494], BajestaniB13 [34], Malapert11 [360], NovasH10 [400], BartakSR10 [50], Beck06 [55], QuirogaZH05 [436], Hooker05 [258], GodardLN05 [208], BeckPS03 [61]	Mehdizadeh-Somarin23 [367], JuvinHL23 [278], abs-2306-05747 [490], TasselGS23 [489], LiFJZLL22 [329], ZhangJZL22 [563], VlkHT21 [534], HanenKP21 [233], KoehlerBFFHPSSS21 [294], HamPK21 [231], GeibingerMM21 [201], Astrand21 [27], HubnerGSV21 [268], QinWSLS21 [433], Bedhief21 [66], QinDCS20 [434], Polo-MejiaALB20 [425], MejiaY20 [368], LunardiBLRV20 [353], Tom19 [501], Novas19 [399], KreterSSZ18 [309], RiahiNS018 [438], HookerH18 [265], ZhangW18 [566], KuB16 [310], Fahimi16 [?], DejemeppeCS15 [151], MelgarejoLS15 [8]... (Total: 65)
Concepts	task	PrataAN23 [431], abs-2402-00459 [394], JuvinHL23 [278], CzerniachowskaWZ23 [139], JuvinHHL23 [277], WangB23 [539], YuraszeckMCCR23 [557], PovedaAA23 [428], abs-2305-19888 [249], KameugneFND23 [282], AkramNHRSA23 [9], LiFJZLL22 [329], CampeauG22 [116], ColT22 [137], SubulanC22 [479], OuelletQ22 [409], FetgoD22 [179], abs-2211-14492 [480], GeitzGSSW22 [202], TouatBT22 [504], HeinzNVH22 [248], JungblutK22 [276], BoudreaultSLQ22 [107], Astrand0F21 [28], HanenKP21 [233], Astrand21 [27], KoehlerBFFHPSSS21 [294], KlankeBYE21 [292], HillTV21 [254]... (Total: 234)	MontemanniD23a [377], Bit-Monnot23 [87], IsikYA23 [271], MontemanniD23 [378], LacknerMMWW23 [319], ShaikhK23 [462], SquillaciPR23 [478], YuraszeckMPV22 [556], PopovicCGNC22 [426], MullerMKP22 [382], WinterMMW22 [545], AbreuN22 [145], FarsiTM22 [177], SvancaraB22 [483], OujanaAYB22 [410], BenderWS21 [76], HubnerGSV21 [268], GeibingerMM21 [201], ZouZ20 [574], BarzegaranZP20 [53], Polo-MejiaALB20 [425], AntuoriHHEN20 [16], BadicaBI20 [31], WallaceY20 [537], WikarekS19 [544], Caballero19 [?], HookerH18 [265], German18 [204], DemirovicS18 [154]... (Total: 60)	NaderiRR23 [388], TasselGS23 [489], EfthymiouY23 [165], PerezGSL23 [418], abs-2312-13682 [419], Mehdizadeh-Somarin23 [367], TardivoDFMP23 [488], abs-2306-05747 [490], Teppan22 [492], ZhangJZL22 [563], ZhangBB22 [564], ArmstrongGOS22 [21], ZhangYW21 [565], abs-2102-08778 [135], FanXG21 [176], AbreuAPNM21 [144], AntuoriHHEN21 [17], LacknerMMWW21 [318], HamPK21 [231], AstrandJZ20 [30], SacramentoSP20 [444], FallahiAC20 [175], BenediktMH20 [78], MengZRZL20 [370], CauwelaertDS20 [126], ParkUJR19 [416], MurinR19 [383], abs-1902-09244 [236], FrimodigS19 [185]... (Total: 102)
Concepts	temporal constraint reasoning			BartakSR10 [50], KeriK07 [288], FortinZDF05 [182]

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	transportation	CzerniachowskaWZ23 [139], ArmstrongGOS22 [21], PohlAK22 [424], BourreauGGLT22 [108], GeitzGSSW22 [202], Lemos21 [324], ArmstrongGOS21 [20], QinDCS20 [434], Lunardi20 [354], SacramentoSP20 [444], MurinR19 [383], Hooker19 [263], Ham18 [230], CappartTSR18 [118], PourDERB18 [427], TangLWSK18 [487], Froger16 [186], GoelSHFS15 [211], NovasH14 [402], BlomBPS14 [90], KelarevaTK13 [286], NovasH12 [401], HachemiGR11 [229], LopesCSM10 [349], BocewiczBB09 [92], Rodriguez07 [441], ZeballosH05 [561], SimonisCK00 [475]	NaderiRR23 [388], KimCMLLP23 [291], AbreuN22 [145], SubulanC22 [479], NaderiBZ22 [387], PopovicCGNC22 [426], Astrand21 [27], Godet21a [209], AbohashimaEG21 [2], MengZRZL20 [370], MejiaY20 [368], ZarandiASC20 [560], FallahiAC20 [175], LaborieRSV18 [317], EvenSH15 [171], MelgarejoLS15 [8], RendlPHPR12 [437], Malapert11 [360], MakMS10 [359], MouraSCL08a [380], MouraSCL08 [381], LimRX04 [331], Mason01 [366], ArtiguesR00 [25], Simonis99 [473], Wallace96 [536], BlazewiczLK83 [89]	AalianPG23 [1], IsikYA23 [271], AbreuNP23 [146], abs-2312-13682 [419], WangB23 [539], MontemanniD23a [377], PerezGSL23 [418], AlfieriGPS23 [11], ColT22 [137], BoudreaultSLQ22 [107], abs-2211-14492 [480], ZhangJZL22 [563], YuraszeckMPV22 [556], LiFJZLL22 [329], YunusogluY22 [554], AntuoriHHEN21 [17], Bedhief21 [66], Groleaz21 [222], HubnerGSV21 [268], GroleazNS20a [223], AntunesABDEGGOL20 [15], WallaceY20 [537], CauwelaertDS20 [126], Novas19 [399], abs-1902-09244 [236], Tom19 [501], GoldwaserS18 [214], HookerH18 [265], GokgurHO18 [212]... (Total: 79)

6.2 Concept Type Classification

Table 11: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	2BPHFSP	TangB20 [486]		
Classification	BPCTOP	KelarevaTK13 [286]		
Classification	Bulk Port Cargo Throughput Optimisation Problem			KelarevaTK13 [286]
Classification	CECSP	NattafAL17 [391], Nattaf16 [389], NattafAL15 [390]		
Classification	CHSP	EfthymiouY23 [165], WallaceY20 [537]		
Classification	CTW	KoehlerBFFHPSSS21 [294]	Lombardi10 [340]	
Classification	CuSP	KameugneFND23 [282], FetgoD22 [179], Tesch18 [496], KameugneFGOQ18 [281], Froger16 [186], Tesch16 [495], Nattaf16 [389], NattafAL15 [390], Derrien15 [155], DerrienPZ14 [157], KameugneFSN14 [284], Kameugne14 [**?**], KameugneFSN11 [283], SchuttW10 [459], Demassey03 [153]	GingrasQ16 [207], Fahimi16 [**?**], OuelletQ13 [407], Elkhyari03 [166]	TardivoDFMP23 [488], HanenKP21 [233], Zahout21 [558], DerrienP14 [156]
Classification	EOSP		SquillaciPR23 [478]	
Classification	Earth Observation Scheduling Problem		SquillaciPR23 [478]	
Classification	FJS	WangB23 [539], YuraszeckMCCR23 [557], MullerMKP22 [382], Teppan22 [492], HamPK21 [231], Lunardi20 [354], LunardiBLRV20 [353], WangB20 [538], ZarandiASC20 [560], MengZRZL20 [370], Novas19 [399], MossigeGSMC17 [379], HamC16 [232]	OujanaAYB22 [410], abs-1902-09244 [236], ZhangW18 [566], SchuttFS13 [452]	NaderiRR23 [388], ColT22 [137], ZhouGL15 [570]
Classification	Fixed Job Scheduling	WangB20 [538]	WangB23 [539]	
Classification	GCSP	Groleaz21 [222], GroleazNS20 [224]		
Classification	HFF	ArmstrongGOS22 [21], OujanaAYB22 [410], ArmstrongGOS21 [20], ZhouGL15 [570]		
Classification	JSPT		MurinR19 [383]	
Classification	JSSP	JuvinHHL23 [277], YuraszeckMC23 [555], TasselGS23 [489], YuraszeckMCCR23 [557], abs-2306-05747 [490], ColT22 [137], YuraszeckMPV22 [556], GeitzGSSW22 [202], Teppan22 [492], Godet21a [209], abs-2102-08778 [135], ZarandiASC20 [560], ColT19 [136], Pralet17 [429], KelbelH11 [287], BidotVLB09 [85], GodardLN05 [208], Baptiste02 [36], TorresL00 [503], SourdN00 [477], PapaB98 [415], NuijtenP98 [404], NuijtenA94 [403]	GalleguillosKSB19 [189], LombardiBM15 [341], SialaAH15 [468], BelhadjiI98 [75]	EfthymiouY23 [165], Mehdizadeh-Somarin23 [367], CzerniachowskaWZ23 [139], WikarekS19 [544], PraletLJ15 [430], GrimesH15 [219], BajestaniB11 [33]
Classification	KRFP	KamarainenS02 [279], SakkoutW00 [447]		
Classification	LSFRP	KelarevaTK13 [286]		
Classification	Liner Shipping Fleet Repositioning Problem		KelarevaTK13 [286]	
Classification	MGAP	Darby-DowmanLMZ97 [141]		
Classification	Modified Generalized Assignment Problem			

Table 11: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	OSP	NaderiRR23 [388], LacknerMMWW23 [319], Bit-Monnot23 [87], LacknerMMWW21 [318], Groleaz21 [222], GayHLS15 [193], Siala15a [467], GrimesH15 [219]	SquillaciPR23 [478], GrimesHM09 [220], MonetteDD07 [375]	MengZRZL20 [370]
Classification	OSSP	YuraszeckMC23 [555], AbreuNP23 [146], YuraszeckMPV22 [556], ColT22 [137], AbreuN22 [145], AbreuAPNM21 [144], MejiaY20 [368], Baptiste02 [36]		YuraszeckMCCR23 [557], ZarandiASC20 [560]
Classification	Open Shop Scheduling Problem	AbreuNP23 [146], AbreuN22 [145], AbreuAPNM21 [144], MejiaY20 [368], ZarandiASC20 [560]	Malapert11 [360], LorigeonBB02 [351]	PrataAN23 [431], Bit-Monnot23 [87], YuraszeckMCCR23 [557], NaderiRR23 [388], YuraszeckMPV22 [556], ColT22 [137], Groleaz21 [222], MengZRZL20 [370], SacramentoSP20 [444], HookerH18 [265], GrimesH15 [219], Schutt11 [**?**], GrimesH10 [217], GrimesHM09 [220], OhrimenkoSC09 [406], MonetteDD07 [375], Baptiste02 [36], VerfaillieL01 [522], Taillard93 [485]
Classification	PJSSP	Baptiste02 [36]	PapaB98 [415]	
Classification	PMSP	NaderiRR23 [388], YunusogluY22 [554], WinterMMW22 [545], Godet21a [209], PandeyS21a [412], GodetLHS20 [210], MalapertN19 [361], GedikKEK18 [197], TranAB16 [506], TranB12 [507]	VlkHT21 [534], NattafM20 [392]	OujanaAYB22 [410], ColT22 [137], ZarandiASC20 [560]
Classification	PP-MS-MMRCPSP			
Classification	PTC	NattafM20 [392], MalapertN19 [361]	NaderiRR23 [388]	CzerniachowskaWZ23 [139], Teppan22 [492], Dejemeppe16 [150]
Classification	Pre-emptive Job-Shop scheduling Problem			
Classification	RCPSP	YuraszeckMCCR23 [557], PovedaAA23 [428], CampeauG22 [116], BoudreaultSLQ22 [107], SubulanC22 [479], FetgoD22 [179], BenderWS21 [76], GeibingerMM21 [201], HillTV21 [254], Zahout21 [558], Groleaz21 [222], HubnerGSV21 [268], Godet21a [209], ZarandiASC20 [560], Polo-MejiaALB20 [425], GeibingerMM19 [200], abs-1902-09244 [236], abs-1911-04766 [199], Caballero19 [**?**], LaborieRSV18 [317], TangLWSK18 [487], KreterSSZ18 [309], KameugneFGOQ18 [281], Pralet17 [429], KreterSS17 [308], YoungFS17 [553], BofillCSV17 [93], MossigeGSMC17 [379], SzerediS16 [484]... (Total: 58)	TardivoDFMP23 [488], Caballero23 [115], KameugneFND23 [282], KovacsTKSG21 [306], GroleazNS20a [223], BaptisteB18 [38], Tesch18 [496], CauwelaertLS18 [125], Dejemeppe16 [150], LombardiBM15 [341], NattafAL15 [390], GayHLS15 [193], KameugneFSN14 [284], LombardiM13 [348], KameugneFSN11 [283], HeinzS11 [246], abs-1009-0347 [454], KeriK07 [288], KovacsV06 [305], HeipckeCCS00 [250], ArtiguesR00 [25], BruckerDMNP99 [112]	NaderiRR23 [388], GeitzGSSW22 [202], TouatBT22 [504], HanenKP21 [233], Astrand21 [27], ZhangYW21 [565], Lemos21 [324], Mercier-AubinGQ20 [372], WikarekS19 [544], OuelletQ18 [408], HookerH18 [265], FahimiOQ18 [173], GingrasQ16 [207], BonfiettiZLM16 [103], Tesch16 [495], Fahimi16 [**?**], SialaAH15 [468], Siala15a [467], GayHS15a [195], DerrienPZ14 [157], BonfiettiLM14 [101], BonfiettiLBM14 [99], KoschB14 [298], SchuttFS13a [451], OuelletQ13 [407], SchuttFS13 [452], LetortCB13 [327], BonfiettiM12 [102], BonfiettiLBM12 [98]... (Total: 41)
Classification	RCPSPDC			CampeauG22 [116], HubnerGSV21 [268]
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow			
Classification	SBSFMMAL	OzturkTHO13 [411]		
Classification	SCC	KimCMLLP23 [291], WolinskiKG04 [548]	SchuttFSW13 [456], Lombardi10 [340], abs-1009-0347 [454]	PohlAK22 [424], Zahout21 [558], BeniniLMR11 [81], SchausHMCMD11 [448]
Classification	SMSDP			
Classification	Steel-making and continuous casting			
Classification	TCSP	BelhadjiI98 [75], DechterMP91 [149]		Zahout21 [558], BartakSR10 [50], Lombardi10 [340], LombardiM10a [344], Demassey03 [153]
Classification	TMS	PopovicCGNC22 [426], Froger16 [186]	BegB13 [67]	CappartS17 [117], Siala15a [467]
Classification	Temporal Constraint Satisfaction Problem		BelhadjiI98 [75]	BartakSR10 [50], MoffittPP05 [373], Elkhyari03 [166], DechterMP91 [149]

Table 11: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	parallel machine	PrataAN23 [431], abs-2305-19888 [249], IsikYA23 [271], CzerniachowskaWZ23 [139], NaderiRR23 [388], ZhangJZL22 [563], WinterMMW22 [545], HeinzNVH22 [248], OujanaAYB22 [410], YunusogluY22 [554], PandeyS21a [412], Astrand21 [27], Groleaz21 [222], Godet21a [209], Lunardi20 [354], GodetLHS20 [210], ZarandiASC20 [560], MengZRZL20 [370], NattafM20 [392], MalapertN19 [361], GedikKEK18 [197], ArbaouiY18 [19], GokgurHO18 [212], HebrardHJMPV16 [239], TranAB16 [506], Nattaf16 [389], TranB12 [507], EdisO11 [164], Jans09 [273]... (Total: 31)	AbreuNP23 [146], Teppan22 [492], NaderiBZ22 [387], ColT22 [137], Zahout21 [558], Bedhief21 [66], SacramentoSP20 [444], MejiaY20 [368], MokhtarzadehTNF20 [374], ParkUJR19 [416], Novas19 [399], BogaerdtW19 [518], BenediktSMVH18 [79], ZhouGL15 [570], TerekhovTDB14 [494], TranTDB13 [510], BajestaniB13 [34], KovacsB11 [301], AkkerDH07 [517], SadykovW06 [446], Thorsteinsson01 [499]	KimCMLLP23 [291], JuvinHHL23 [277], LacknerMMWW23 [319], Mehdizadeh-Somarin23 [367], AlfieriGPS23 [11], ArmstrongGOS22 [21], HamPK21 [231], LacknerMMWW21 [318], HanenKP21 [233], FanXG21 [176], AbohashimaEG21 [2], AbreuAPNM21 [144], AstrandJZ20 [30], GroleazNS20a [223], QinDCS20 [434], NishikawaSTT19 [397], Hooker19 [263], Ham18 [230], LaborieRSV18 [317], BaptisteB18 [38], HookerH18 [265], KletzanderM17 [293], KreterSS17 [308], FontaineMH16 [181], Fahimi16 [?], BurtLPS15 [114], KreterSS15 [307], NovasH14 [402], Kameugne14 [?]... (Total: 38)
Classification	psplib	TardivoDFMP23 [488], Caballero19 [?], KreterSSZ18 [309], OuelletQ18 [408], GayHS15a [195], LetortCB15 [328], Derrien15 [155], KameugneFSN14 [284], DerrienP14 [156], Kameugne14 [?], SchuttFSW13 [456], SchuttFS13a [451], Letort13 [325], HeinzSB13 [247], Clercq12 [147], SchuttFSW11 [455], Schutt11 [?], BertholdHLMS10 [83], SchuttFSW09 [453], Demassey03 [153]	KameugneFND23 [282], BoudreaultSLQ22 [107], HillTV21 [254], BadicaBI20 [31], Tesch18 [496], FahimiOQ18 [173], BaptisteB18 [38], SzerediS16 [484], Tesch16 [495], GingrasQ16 [207], Nattaf16 [389], GayHLS15 [193], VilimLS15 [532], LombardiBM15 [341], BonfiettiLM14 [101], LetortCB13 [327], LombardiM12a [346], LetortBC12 [326], HeinzS11 [246], Vilim11 [529], SchuttW10 [459], abs-1009-0347 [454], KolischS97 [295]	Godet21a [209], LaborieRSV18 [317], CauwelaertLS18 [125], Pralet17 [429], YoungFS17 [553], BofillCSV17 [93], Dejemeppe16 [150], ThiruvadyWGS14 [498], LombardiM13 [348], OuelletQ13 [407], LombardiM12 [347], KameugneFSN11 [283], HartmannB10 [235], LiessM08 [330], FortinZDF05 [182], ElkhyariGJ02a [168], BruckerDMNP99 [112]
Classification	single machine	PrataAN23 [431], AlfieriGPS23 [11], LacknerMMWW23 [319], TouatBT22 [504], HamPK21 [231], Groleaz21 [222], ZarandiASC20 [560], BenediktMH20 [78], BogaerdtW19 [518], BajestaniB15 [35], BajestaniB13 [34], TerekhovDOB12 [493], KovacsB11 [301], ThiruvadyBME09 [497], WuBB09 [550], KovacsB07 [299], SadykovW06 [446], KanetAG04 [285], Elkhyari03 [166], Baptiste02 [36], SourdN00 [477]	NaderiBZ22 [387], YuraszeckMPV22 [556], ZhangBB22 [564], PandeyS21a [412], Astrand21 [27], Bedhief21 [66], HillTV21 [254], KoehlerBFFHPSSS21 [294], Zahout21 [558], AbreuAPNM21 [144], LacknerMMWW21 [318], NattafM20 [392], Lunardi20 [354], BenediktSMVH18 [79], Tesch18 [496], TranPZLDB18 [509], TranAB16 [506], KoschB14 [298], BillautHL12 [86], TranB12 [507], KovacsK11 [303], Malapert11 [360], Jans09 [273], AkkerDH07 [517], Sadykov04 [445], OddiPCC03 [405], SchildW00 [449], BeckF98 [59]	abs-2402-00459 [394], IsikYA23 [271], NaderiRR23 [388], Mehdizadeh-Somarin23 [367], GeitzGSSW22 [202], AbreuN22 [145], ColT22 [137], abs-2211-14492 [480], PohlAK22 [424], ZhangJZL22 [563], LiFJZLL22 [329], Godet21a [209], FanXG21 [176], QinWSLS21 [433], KovacsTKSG21 [306], TangB20 [486], GodetLHS20 [210], ParkUJR19 [416], Tom19 [501], Hooker19 [263], MalapertN19 [361], GedikKEK18 [197], AstrandJZ18 [29], ArbaouiY18 [19], GokgurHO18 [212], MossigeGSMC17 [379], Dejemeppe16 [150], TranWDRFOVB16 [513], Nattaf16 [389]... (Total: 69)

6.3 Concept Type Constraints

Table 12: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	alldifferent	JuvinHHL23 [277], Lemos21 [324], KoehlerBFFHPSSS21 [294], Godet21a [209], CauwelaertLS18 [125], Dejemeppe16 [150], Derrien15 [155], Siala15a [467], Clercq12 [147], Malapert11 [360], Menana11 [369], OhrimenkoSC09 [406], Simonis07 [474], KanetAG04 [285]	GodetLHS20 [210], HookerH18 [265], Fahimi16 [?], BessiereHMQW14 [84], KelarevaTK13 [286], TerekhovDOB12 [493], Schutt11 [?]	WangB23 [539], ColT22 [137], BourreauGGLT22 [108], FarsiTM22 [177], Astrand21 [27], AstrandJZ20 [30], WangB20 [538], AntuoriHHEN20 [16], Lunardi20 [354], MokhtarzadehTNF20 [374], Caballero19 [?], FahimiOQ18 [173], Nattaf16 [389], MelgarejoLS15 [8], AlesioNBG14 [158], ChuGNSW13 [129], Letort13 [325], ClercqPBJ11 [132], HermenierDL11 [253], HachemiGR11 [229], TrojetHL11 [514], LopesCSM10 [349], Malik08 [362], Thorsteinsson01 [499], Simonis99 [473], BeldiceanuC94 [70]
Constraints	alternative constraint	LaborieRSV18 [317]	abs-2305-19888 [249], MurinR19 [383], GokgurHO18 [212]	LacknerMMWW23 [319], NaderiRR23 [388], WinterMMW22 [545], ZhangJZL22 [563], SvancaraB22 [483], HeinzNVH22 [248], ArmstrongGOS21 [20], HubnerGSV21 [268], PandeyS21a [412], VlkHT21 [534], HillTV21 [254], MengZRZL20 [370], Polo-MejiaALB20 [425], SacramentoSP20 [444], YounespourAKE19 [552], EscobetPQPRA19 [170], GeibingerMM19 [200], NishikawaSTT19 [397], GalleguillosKSB19 [189], MalapertN19 [361], abs-1911-04766 [199], ArbaouiY18 [19], Laborie18a [316], NishikawaSTT18a [396], NishikawaSTT18 [395], CohenHB17 [134], TranVNB17a [512], TranVNB17 [511], CappartS17 [117]... (Total: 37)
Constraints	alwaysIn	PopovicCGNC22 [426], SerraNM12 [461]	AalianPG23 [1], LuoB22 [356], TangB20 [486], Polo-MejiaALB20 [425], MalapertN19 [361], LaborieRSV18 [317], GoelSHFS15 [211]	CampeauG22 [116], KreterSS17 [308], BajestaniB13 [34]
Constraints	bin-packing	Godet21a [209], Zahout21 [558], TangB20 [486], CauwelaertLS18 [125], LetortCB15 [328], Letort13 [325], LetortCB13 [327], HeinzSSW12 [245], LetortBC12 [326], Malapert11 [360], SchausHMCMD11 [448]	LuoB22 [356], BadicaBI20 [31], AntunesABDEGGOL20 [15], FrimodigS19 [185], AntunesABDEGGOL18 [14], BaptisteB18 [38], GarganiR07 [190], SakkoutW00 [447], SchildW00 [449]	abs-2402-00459 [394], LacknerMMWW23 [319], AkramNHRSA23 [9], abs-2211-14492 [480], YunusogluY22 [554], ArmstrongGOS21 [20], GodetLHS20 [210], HookerH18 [265], TranPZLDB18 [509], German18 [204], Madi-WambaLOBM17 [358], DoulabiRP16 [163], KoschB14 [298], DoulabiRP14 [162], LimtanyakulS12 [335], EdisO11 [164], HermenierDL11 [253], BeldiceanuCDP11 [72], Schutt11 [?], HartmannB10 [235], Lombardi10 [340], KovacsB08 [300], HentenryckM08 [252], Simonis07 [474], DavenportKRSH07 [143], SimonisCK00 [475], BeldiceanuC94 [70], AggounB93 [7]
Constraints	circuit	MontemanniD23a [377], KlankeBYE21 [292], Mercier-AubinGQ20 [372], MokhtarzadehTNF20 [374], Caballero19 [?], HookerH18 [265], Lombardi10 [340], RuggieroBBMA09 [443], Rodriguez07 [441], RodriguezDG02 [440], GruianK98 [225], Wallace96 [536], BeldiceanuC94 [70]	Groleaz21 [222], WessenCS20 [543], AntuoriHHEN20 [16], Siala15a [467], TranB12 [507], Malapert11 [360], KrogtLPHJ07 [519], KuchcinskiW03 [311], HookerO03 [264], Thorsteinsson01 [499], Simonis99 [473], Simonis95a [471], DincbasSH90 [160]	PrataAN23 [431], IsikYA23 [271], MontemanniD23 [378], JungblutK22 [276], FarsiTM22 [177], ColT22 [137], MullerMKP22 [382], KoehlerBFFHPSSS21 [294], Zahout21 [558], ArmstrongGOS21 [20], Astrand21 [27], WallaceY20 [537], GroleazNS20 [224], Hooker19 [263], EscobetPQPRA19 [170], CauwelaertLS18 [125], TangLWSK18 [487], CappartTSR18 [118], Hooker17 [262], HechingH16 [241], Dejemeppe16 [150], Bonfietti16 [96], BridiBLMB16 [110], TranAB16 [506], MelgarejoLS15 [8], MurphyMB15 [384], Derrien15 [155], BajestaniB15 [35], HoundjiSWD14 [267]... (Total: 59)

Table 12: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	cumulative	PovedaAA23 [428], TardivoDFMP23 [488], NaderiRR23 [388], AalianPG23 [1], KameugneFND23 [282], IsikYA23 [271], LacknerMMWW23 [319], FetgoD22 [179], PohlAK22 [424], OuelletQ22 [409], ZhangJZL22 [563], LuoB22 [356], BoudreaultSLQ22 [107], Lemos21 [324], Groleaz21 [222], Zahout21 [558], LacknerMMWW21 [318], HanenKP21 [233], KovacsTKSG21 [306], Godet21a [209], SacramentoSP20 [444], Polo-MejiaALB20 [425], Mercier-AubinGQ20 [372], WallaceY20 [537], GodetLHS20 [210], GroleazNS20a [223], GroleazNS20 [224], Hooker19 [263], YangSS19 [551]... (Total: 155)	PrataAN23 [431], abs-2402-00459 [394], EfthymiouY23 [165], abs-2312-13682 [419], PerezGSL23 [418], ColT22 [137], YunusogluY22 [554], CampeauG22 [116], GeitzGSSW22 [202], AbreuN22 [145], HubnerGSV21 [268], HillTV21 [254], KlankeBYE21 [292], NattafM20 [392], GalleguillosKSB19 [189], NishikawaSTT19 [397], BorghesiBLMB18 [105], GedikKEK18 [197], TranVNB17a [512], HurleyOS16 [269], BoothNB16 [104], BonfiettiZLM16 [103], LimHTB16 [332], Bonfietti16 [96], GayHLS15 [193], BurtLPS15 [114], ThiruvadyWGS14 [498], GuSS13 [226], BonfiettiLM13 [100]... (Total: 49)	GurPAE23 [228], TasselGS23 [489], abs-2306-05747 [490], abs-2305-19888 [249], Bit-Monnot23 [87], YuraszeckMCCR23 [557], JuvinHHL23 [277], HeinzNVH22 [248], PopovicCGNC22 [426], abs-2211-14492 [480], SubulanC22 [479], HebrardALLCMR22 [238], ArmstrongGOS22 [21], Astrand21 [27], PandeyS21a [412], KoehlerBFFHPSSS21 [294], GeibingerMM21 [201], ArmstrongGOS21 [20], ZouZ20 [574], CauwelaertDS20 [126], abs-1902-09244 [236], FrimodigS19 [185], WikarekS19 [544], YounespourAKE19 [552], Laborie18a [316], AstrandJZ18 [29], ZhangW18 [566], Ham18 [230], German18 [204]... (Total: 99)
Constraints	cycle	AalianPG23 [1], Astrand0F21 [28], Astrand21 [27], AntuoriHHEN21 [17], Groleaz21 [222], AbohashimaEG21 [2], GroleazNS20a [223], AntuoriHHEN20 [16], WallaceY20 [537], AstrandJZ20 [30], ParkUJR19 [416], Caballero19 [?], BorghesiBLMB18 [105], AstrandJZ18 [29], Dejemeppe16 [150], BridiBLMB16 [110], BonfiettiLBM14 [99], BessiereHMQW14 [84], BegB13 [67], Malapert11 [360], LombardiBMB11 [342], Schutt11 [?], SunLYL10 [481], BocewiczBB09 [92], RuggieroBBMA09 [443], MalikMB08 [363], Malik08 [362], RossiTHP07 [442], WolinskiKG04 [548]... (Total: 41)	EfthymiouY23 [165], CampeauG22 [116], Lemos21 [324], KoehlerBFFHPSSS21 [294], HillTV21 [254], HubnerGSV21 [268], Godet21a [209], CauwelaertDS20 [126], GroleazNS20 [224], Lunardi20 [354], ZarandiASC20 [560], MossigeGSMC17 [379], Froger16 [186], TranAB16 [506], SimoninAHL15 [470], PraletLJ15 [430], BurtLPS15 [114], Siala15a [467], TranTDB13 [510], SchuttFSW13 [456], SimoninAHL12 [469], BonfiettiLBM12 [98], HachemiGR11 [229], KovacsB11 [301], BonfiettiLBM11 [97], Vilim11 [529], Lombardi10 [340], abs-1009-0347 [454], KovacsB08 [300]... (Total: 40)	Bit-Monnot23 [87], AkramNHRSA23 [9], ZhangBB22 [564], BourreauGGLT22 [108], AbreuN22 [145], HamPK21 [231], ArmstrongGOS21 [20], Zahout21 [558], AbreuAPNM21 [144], FanXG21 [176], FallahiAC20 [175], TangB20 [486], Mercier-AubinGQ20 [372], QinDCS20 [434], BadicaBI20 [31], MokhtarzadehTNF20 [374], Novas19 [399], Hooker19 [263], BadicaBIL19 [32], abs-1902-09244 [236], KucukY19 [313], EscobetPQPRA19 [170], TangLWSK18 [487], MusliuSS18 [386], LaborieRSV18 [317], Ham18 [230], KreterSS17 [308], Pralet17 [429], DoulabiRP16 [163]... (Total: 79)
Constraints	diffn	ArmstrongGOS21 [20], Simonis07 [474], SimonisCK00 [475], BeldiceanuC94 [70]	BeldiceanuCDP11 [72]	LuoB22 [356], BourreauGGLT22 [108], KreterSS17 [308], KreterSS15 [307], TrojetHL11 [514], Malapert11 [360], Timpe02 [500], Simonis99 [473], GruianK98 [225], SimonisC95 [476], Simonis95a [471], Simonis95 [472]
Constraints	disjunctive	JuvinHHL23 [277], NaderiRR23 [388], Bit-Monnot23 [87], YuraszeckMPV22 [556], BourreauGGLT22 [108], ZhangBB22 [564], Astrand21 [27], Groleaz21 [222], Godet21a [209], KoehlerBFFHPSSS21 [294], GodetLHS20 [210], LaborieRSV18 [317], HookerH18 [265], FahimiOQ18 [173], German18 [204], GokgurHO18 [212], NattafAL17 [391], Pralet17 [429], MossigeGSMC17 [379], KuB16 [310], FontaineMH16 [181], Fahimi16 [?], GoelSHFS15 [211], Siala15a [467], GayHS15a [195], MelgarejoLS15 [8], GrimesH15 [219], SialaAH15 [468], Kameugne14 [?]... (Total: 75)	BoudreaultSLQ22 [107], Astrand0F21 [28], GeibingerMM21 [201], SacramentoSP20 [444], AstrandJZ20 [30], MejiaY20 [368], Polo-MejiaALB20 [425], YangSS19 [551], CauwelaertLS18 [125], DemirovicS18 [154], KameugneFGOQ18 [281], Dejemeppe16 [150], Nattaf16 [389], SimoninAHL15 [470], EvenSH15 [171], EvenSH15a [172], GayHS15 [194], VilimLS15 [532], LipovetzkyBPS14 [336], KameugneFSN14 [284], GaySS14 [196], KelbelH11 [287], HeinzS11 [246], GrimesH11 [218], HartmannB10 [235], LiessM08 [330], MouraSCL08a [380], MercierH08 [371], MouraSCL08 [381]... (Total: 39)	abs-2402-00459 [394], LacknerMMWW23 [319], TardivoDFMP23 [488], abs-2306-05747 [490], KameugneFND23 [282], PovedaAA23 [428], EfthymiouY23 [165], TasselGS23 [489], NaderiBZ22 [387], MullerMKP22 [382], OuelletQ22 [409], ColT22 [137], abs-2211-14492 [480], OujanaAYB22 [410], KlankeBYE21 [292], ZhangYW21 [565], Lunardi20 [354], ZarandiASC20 [560], Mercier-AubinGQ20 [372], CauwelaertDS20 [126], WallaceY20 [537], KucukY19 [313], abs-1911-04766 [199], WikarekS19 [544], ColT19 [136], Hooker19 [263], AstrandJZ18 [29], OuelletQ18 [408], CappartTSR18 [118]... (Total: 127)

Table 12: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	endBeforeStart	SubulanC22 [479], QinDCS20 [434]	NaderiRR23 [388], IsikYA23 [271], PandeyS21a [412], LunardiBLRV20 [353], Lunardi20 [354], MengZRZL20 [370], LaborieRSV18 [317], NovaraNH16 [398], Laborie09 [315]	JuvinHHL23 [277], YuraszeckMCCR23 [557], CzerniachowskaWZ23 [139], LacknerMMWW23 [319], JuvinHL23 [278], AalianPG23 [1], Teppan22 [492], YunusogluY22 [554], CampeauG22 [116], ZhangJZL22 [563], HamPK21 [231], HubnerGSV21 [268], ZhangYW21 [565], LacknerMMWW21 [318], TangB20 [486], ZouZ20 [574], SacramentoSP20 [444], BenediktMH20 [78], Polo-MejiaALB20 [425], MurinR19 [383], abs-1902-09244 [236], ParkUJR19 [416], GeibingerMM19 [200], abs-1911-04766 [199], Novas19 [399], NishikawaSTT18a [396], NishikawaSTT18 [395], Ham18 [230], HamC16 [232], GrimesH15 [219]
Constraints	geost	BeldiceanuCDP11 [72]	LetortBC12 [326], PembertonG98 [417]	Letort13 [325], Malapert11 [360], Schutt11 [**?**], BeldiceanuCP08 [73]
Constraints	noOverlap	abs-2305-19888 [249], NaderiRR23 [388], IsikYA23 [271], JuvinHHL23 [277], HeinzNVH22 [248], ColT22 [137], PopovicCGNC22 [426], Groleaz21 [222], VlkHT21 [534], LunardiBLRV20 [353], Lunardi20 [354], QinDCS20 [434], GedikKEK18 [197], MelgarejoLS15 [8]	KimCMLLP23 [291], abs-2306-05747 [490], LacknerMMWW23 [319], TasselGS23 [489], AbreuN22 [145], YuraszeckMPV22 [556], PohlAK22 [424], SvancaraB22 [483], KlankeBYE21 [292], Bedhief21 [66], BenderWS21 [76], BenediktMH20 [78], MengZRZL20 [370], ZouZ20 [574], SacramentoSP20 [444], YounespourAKE19 [552], MalapertN19 [361], MurinR19 [383], abs-1911-04766 [199], EscobetPQPRA19 [170], Novas19 [399], LaborieRSV18 [317], ZhangW18 [566], ArbaouiY18 [19], Ham18 [230], TranVNB17 [511], CohenHB17 [134], NovaraNH16 [398], BoothNB16 [104]... (Total: 32)	AbreuNP23 [146], JuvinHL23 [278], YuraszeckMC23 [555], AalianPG23 [1], CzerniachowskaWZ23 [139], SquillaciPR23 [478], Teppan22 [492], YunusogluY22 [554], WinterMMW22 [545], CampeauG22 [116], OujanaAYB22 [410], ArmstrongGOS22 [21], TouatBT22 [504], ZhangJZL22 [563], NaderiBZ22 [387], HamPK21 [231], AbreuAPNM21 [144], LacknerMMWW21 [318], GroleazNS20 [224], GroleazNS20a [223], NattafM20 [392], Polo-MejiaALB20 [425], BogaerdtW19 [518], ColT19 [136], GeibingerMM19 [200], KucukY19 [313], ParkUJR19 [416], BenediktSMVH18 [79], CappartTSR18 [118]... (Total: 35)
Constraints	regular expression		FrimodigS19 [185]	HookerH18 [265]
Constraints	span constraint		Groleaz21 [222], CappartS17 [117], SchuttFS13 [452], LombardiM10a [344], Lombardi10 [340], Darby-DowmanLMZ97 [141]	OujanaAYB22 [410], ZhangBB22 [564], TangB20 [486], ZouZ20 [574], YounespourAKE19 [552], LaborieRSV18 [317], SimoninAHL15 [470], SimoninAHL12 [469], SchuttFSW11 [455]
Constraints	table constraint	Lombardi10 [340], LombardiM10a [344], Baptiste02 [36], PapaB98 [415]	JelinekB16 [274]	PerezGSL23 [418], abs-2312-13682 [419], ArmstrongGOS21 [20], CauwelaertLS18 [125], Siala15a [467], GayHS15 [194], PesantRR15 [420], MelgarejoLS15 [8], LimtanyakulS12 [335], BeniniLMR11 [81], BeckFW11 [58], HermenierDL11 [253], LopesCSM10 [349], MouraSCL08 [381], GodardLN05 [208], Laborie03 [314], ElkhyariGJ02 [167]

6.4 Concept Type ProgLanguages

Table 13: Works for Concepts of Type ProgLanguages

Type	Keyword	High	Medium	Low
ProgLanguages	C	KoehlerBFFHPSSS21 [294]		HubnerGSV21 [268], BogaerdtW19 [518], TangLWSK18 [487], LaborieRSV18 [317], HoYCLLCLC18 [255], Lombardi10 [340], LombardiM10a [344], Laborie09 [315], GarridoOS08 [192], Layfield02 [323]
ProgLanguages	C++		BourreauGGLT22 [108], NethercoteSBBDT07 [393], Demassey03 [153]	TardivoDFMP23 [488], JuvinHHL23 [277], PopovicCGNC22 [426], ColT22 [137], Astrand21 [27], AntuoriHHEN21 [17], QinWSLS21 [433], AbreuAPNM21 [144], Lemos21 [324], Polo-MejiaALB20 [425], AstrandJZ20 [30], Mercier-AubinGQ20 [372], abs-1902-01193 [10], Caballero19 [?], LaborieRSV18 [317], ArbaouiY18 [19], TranPZLDB18 [509], NattafAL17 [391], Nattaf16 [389], BoothNB16 [104], Tesch16 [495], Bonfietti16 [96], Fahimi16 [?], NattafAL15 [390], Kameugne14 [?], TranTDB13 [510], SchuttFSW13 [456], GuSW12 [227], TranB12 [507]... (Total: 67)
ProgLanguages	Java	abs-2102-08778 [135], Malapert11 [360]	Froger16 [186], KuchcinskiW03 [311]	abs-2306-05747 [490], AlfieriGPS23 [11], TasselGS23 [489], KameugneFND23 [282], MullerMKP22 [382], FetgoD22 [179], ColT22 [137], YuraszeckMPV22 [556], OuelletQ22 [409], Teppan22 [492], Groleaz21 [222], FanXG21 [176], AntuoriHHEN21 [17], Lemos21 [324], ArmstrongGOS21 [20], CauwelaertDS20 [126], MejiaY20 [368], SacramentoSP20 [444], TangB20 [486], BarzegaranZP20 [53], abs-1911-04766 [199], FrohnerTR19 [187], Tom19 [501], ColT19 [136], GeibingerMM19 [200], CauwelaertLS18 [125], OuelletQ18 [408], LaborieRSV18 [317], KameugneFGOQ18 [281]... (Total: 53)
ProgLanguages	Julia			HebrardALLCMR22 [238], Astrand21 [27], Groleaz21 [222]
ProgLanguages	Lisp			Wallace96 [536]
ProgLanguages	Prolog	ArmstrongGOS21 [20], Simonis99 [473], FalaschiGMP97 [174], Zhou97 [569], LammaMM97 [321], Wallace96 [536], Touraivane95 [505], Simonis95a [471], Simonis95 [472], DincbasSH90 [160]	BadicaBI20 [31], MossigeGSMC17 [379], Madi-WambaLOBM17 [358], Malapert11 [360], MartinPY01 [365], SimonisCK00 [475], RodosekW98 [439], Zhou96 [568], SimonisC95 [476], BeldiceanuC94 [70], AggounB93 [7]	PopovicCGNC22 [426], ArmstrongGOS22 [21], ZarandiASC20 [560], abs-1902-01193 [10], YangSS19 [551], CauwelaertLS18 [125], German18 [204], JelinekB16 [274], LetortCB15 [328], Kameugne14 [?], LetortCB13 [327], Letort13 [325], Clercq12 [147], LetortBC12 [326], TrojetHL11 [514], BeldiceanuCDP11 [72], Menana11 [369], Schutt11 [?], BartakCS10 [48], AronssonBK09 [22], BeldiceanuCP08 [73], KrogtLPHJ07 [519], Simonis07 [474], QuSN06 [435], Geske05 [205], PoderBS04 [423], Baptiste02 [36], Bartak02 [46], BeldiceanuC02 [71]... (Total: 37)
ProgLanguages	Python	KoehlerBFFHPSSS21 [294]	abs-2211-14492 [480], AbreuN22 [145], AbreuAPNM21 [144], LaborieRSV18 [317]	EfthymiouY23 [165], SquillaciPR23 [478], Mehdizadeh-Somarin23 [367], AbreuNP23 [146], KimCMLLP23 [291], MontemanniD23 [378], PovedaAA23 [428], MontemanniD23a [377], AkramNHRSA23 [9], NaderiRR23 [388], FetgoD22 [179], PohlAK22 [424], MullerMKP22 [382], ZhangBB22 [564], LuoB22 [356], CampeauG22 [116], KlankeBYE21 [292], FanXG21 [176], Lemos21 [324], HanenKP21 [233], BenderWS21 [76], AbohashimaEG21 [2], Lunardi20 [354], LunardiBLRV20 [353], Mercier-AubinGQ20 [372], FrimodigS19 [185], BehrensLM19 [68], FrohnerTR19 [187], GalleguillosKSB19 [189]... (Total: 37)

6.5 Concept Type CPSystems

Table 14: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	CHIP	TrojetHL11 [514], Simonis07 [474], SimonisCK00 [475], Simonis99 [473], GruianK98 [225], Wallace96 [536], Simonis95 [472], Goltz95 [215], SimonisC95 [476], Simonis95a [471], BeldiceanuC94 [70], AggounB93 [7], DincbasSH90 [160]	ArmstrongGOS21 [20], YangSS19 [551], LaborieRSV18 [317], HookerH18 [265], Geske05 [205], PoderBS04 [423], Timpe02 [500], Beck99 [54], RodosekW98 [439], Zhou97 [569], LammaMM97 [321]	PrataAN23 [431], TardivoDFMP23 [488], KameugneFND23 [282], LuoB22 [356], FetgoD22 [179], BourreauGGLT22 [108], PopovicCGNC22 [426], Godet21a [209], KlankeBYE21 [292], GodetLHS20 [210], abs-1902-01193 [10], Caballero19 [?], BaptisteB18 [38], KameugneFGOQ18 [281], CauwelaertLS18 [125], GoldwaserS18 [214], GokgurHO18 [212], MossigeGSMC17 [379], Pralet17 [429], KreterSS17 [308], Madi-WambaB16 [357], Dejemeppe16 [150], FontaineMH16 [181], Fahimi16 [?], ZhouGL15 [570], SimoninAHL15 [470], LetortCB15 [328], Siala15a [467], KreterSS15 [307]... (Total: 70)
CPSystems	CPO	NaderiRR23 [388], LacknerMMWW23 [319], JuvinHHL23 [277], Bit-Monnot23 [87], CzerniachowskaWZ23 [139], WinterMMW22 [545], ZhangBB22 [564], ColT22 [137], NaderiBZ22 [387], Groleaz21 [222], LacknerMMWW21 [318], ArmstrongGOS21 [20], Zahout21 [558], Lunardi20 [354], NattafM20 [392], GroleazNS20 [224], Polo-MejiaALB20 [425], GroleazNS20a [223], SacramentoSP20 [444], GeibingerMM19 [200], ColT19 [136], MalapertN19 [361], LaborieRSV18 [317], CappartTSR18 [118], KreterSS17 [308], GoelSHFS15 [211], PraletLJ15 [430], Laborie09 [315], Elkhyari03 [166]	AalianPG23 [1], abs-1911-04766 [199], Dejemeppe16 [150], GrimesH15 [219], NuijtenA94 [403]	JuvinHL23 [278], PovedaAA23 [428], OujanaAYB22 [410], GeibingerMM21 [201], abs-2102-08778 [135], TangB20 [486], Caballero19 [?], Laborie18a [316], Pralet17 [429], VilimLS15 [532], BartakSR10 [50], GarridoAO09 [191], Vilim09 [527], GarridoOS08 [192], BeldiceanuC94 [70]
CPSystems	Choco Solver	TasselGS23 [489], abs-2306-05747 [490], Godet21a [209], German18 [204], Fahimi16 [?], LetortCB15 [328], Derrien15 [155], LetortCB13 [327], OuelletQ13 [407], Letort13 [325], LetortBC12 [326], Menana11 [369], Malapert11 [360], GrimesHM09 [220], abs-0907-0939 [421], GarridoAO09 [191], GarridoOS08 [192], Elkhyari03 [166]	KameugneFND23 [282], MullerMKP22 [382], FetgoD22 [179], AntuoriHHEN21 [17], AntuoriHHEN20 [16], LiuLH19 [337], FahimiOQ18 [173], KameugneFGOQ18 [281], LaborieRSV18 [317], Froger16 [186], GayHS15 [194], KoschB14 [298], DerrienPZ14 [157], DerrienP14 [156], Kameugne14 [?], Clercq12 [147], HermenierDL11 [253], ClercqPBJ11 [132]	BourreauGGLT22 [108], OuelletQ22 [409], Groleaz21 [222], GodetLHS20 [210], YangSS19 [551], OuelletQ18 [408], GingrasQ16 [207], Madi-WambaB16 [357], EvenSH15a [172], MurphyMB15 [384], EvenSH15 [171], GrimesH15 [219], BessiereHMQW14 [84], BartakSR10 [50], RossiTHP07 [442], NethercoteSBBDT07 [393], Baptiste02 [36]
CPSystems	Chuffed	LacknerMMWW23 [319], PovedaAA23 [428], BoudreaultSLQ22 [107], MullerMKP22 [382], LacknerMMWW21 [318], GeibingerMM21 [201], ArmstrongGOS21 [20], Godet21a [209], KoehlerBFFHPSSS21 [294], WallaceY20 [537], GodetLHS20 [210], abs-1911-04766 [199], KreterSSZ18 [309], YoungFS17 [553], KreterSS17 [308], SzerediS16 [484], KreterSS15 [307]	GoldwaserS18 [214]	Caballero19 [?], SchuttS16 [458]
CPSystems	Claire	Nattaf16 [389], Siala15a [467], Malapert11 [360], Demassey03 [153], Elkhyari03 [166], BaptisteP00 [41]	Zahout21 [558], Menana11 [369], BaptisteP97 [40]	HebrardALLCMR22 [238], HanenKP21 [233], Godet21a [209], Derrien15 [155], Kameugne14 [?], Letort13 [325], Baptiste02 [36], PapaB98 [415]

Table 14: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	Cplex	CzerniachowskaWZ23 [139], NaderiRR23 [388], SubulanC22 [479], NaderiBZ22 [387], BourreauGGLT22 [108], MullerMKP22 [382], WinterMMW22 [545], HubnerGSV21 [268], GeibingerKKMMW21 [198], KoehlerBFFHPSSS21 [294], PandeyS21a [412], Bedhief21 [66], Lemos21 [324], Groleaz21 [222], HamPK21 [231], QinDCS20 [434], ZouZ20 [574], SacramentoSP20 [444], MejiaY20 [368], LunardiBLRV20 [353], Lunardi20 [354], MengZRZL20 [370], MurinR19 [383], GeibingerMM19 [200], abs-1911-04766 [199], NishikawaSTT19 [397], GurEA19 [575], LaborieRSV18 [317], NishikawaSTT18 [395]... (Total: 45)	LacknerMMWW23 [319], Mehdizadeh-Somarin23 [367], AbreuNP23 [146], IsikYA23 [271], CampeauG22 [116], YunusogluY22 [554], LuoB22 [356], ColT22 [137], TouatBT22 [504], LacknerMMWW21 [318], KovacsTKSG21 [306], Zahout21 [558], QinWSLS21 [433], ArmstrongGOS21 [20], MokhtarzadehTNF20 [374], NattafM20 [392], WallaceY20 [537], abs-1902-09244 [236], MalapertN19 [361], Novas19 [399], German18 [204], HamC16 [232], DoulabiRP16 [163], HechingH16 [241], VilimLS15 [532], BofillGSV15 [95], NattafAL15 [390], PraletLJ15 [430], BofillEGPSV14 [94]... (Total: 49)	AlfieriGPS23 [11], JuvinHL23 [278], SquillaciPR23 [478], GurPAE23 [228], PovedaAA23 [428], YuraszeckMCCR23 [557], AalianPG23 [1], FarsiTM22 [177], abs-2211-14492 [480], YuraszeckMPV22 [556], PohlAK22 [424], PopovicCGNC22 [426], AbreuN22 [145], ZhangYW21 [565], abs-2102-08778 [135], GeibingerMM21 [201], FanXG21 [176], Astrand21 [27], VlkHT21 [534], KlankeBYE21 [292], AbreuAPNM21 [144], TangB20 [486], AntunesABDEGGOL20 [15], Polo-MejiaALB20 [425], GroleazNS20a [223], FrimodigS19 [185], BogaerdtW19 [518], EscobetPQPRA19 [170], KucukY19 [313]... (Total: 96)
CPSystems	ECLiPSe	BadicaBI20 [31], BadicaBIL19 [32], NethercoteSBBDT07 [393], RodosekW98 [439]	Kameugne14 [**?**], Malapert11 [360], SchuttFSW11 [455], Schutt11 [**?**], KanetAG04 [285], KamarainenS02 [279], Simonis99 [473], Darby-DowmanLMZ97 [141], Wallace96 [536]	FanXG21 [176], MejiaY20 [368], WikarekS19 [544], HookerH18 [265], Clercq12 [147], ZeballosQH10 [562], SchuttFSW09 [453], BeniniBGM06 [80], ChuX05 [130], QuirogaZH05 [436], HarjunkoskiG02 [234], Baptiste02 [36], MartinPY01 [365], JainG01 [272], LammaMM97 [321]
CPSystems	Gecode	TardivoDFMP23 [488], Astrand21 [27], BadicaBI20 [31], AstrandJZ20 [30], BadicaBIL19 [32], SzerediS16 [484], Fahimi16 [**?**], ZhouGL15 [570], GayHS15 [194], KameugneFSN14 [284], Kameugne14 [**?**], OhrimenkoSC09 [406], NethercoteSBBDT07 [393]	MullerMKP22 [382], Groleaz21 [222], AntuoriHHEN21 [17], GeibingerKKMMW21 [198], Astrand0F21 [28], FrohnerTR19 [187], abs-1911-04766 [199], GeibingerMM19 [200], LaborieRSV18 [317], BurtLPS15 [114], BofillEGPSV14 [94], KovacsK11 [303], KameugneFSN11 [283], Malapert11 [360], ThiruvadyBME09 [497]	ArmstrongGOS21 [20], WessenCS20 [543], WallaceY20 [537], MengZRZL20 [370], FrimodigS19 [185], YangSS19 [551], MusliuSS18 [386], CauwelaertLS18 [125], AstrandJZ18 [29], GoldwaserS18 [214], GoldwaserS17 [213], Dejemeppe16 [150], PesantRR15 [420], Clercq12 [147], MonetteDD07 [375]
CPSystems	Gurobi	WangB23 [539], NaderiRR23 [388], LacknerMMWW23 [319], WinterMMW22 [545], ZhangBB22 [564], KovacsTKSG21 [306], GeibingerKKMMW21 [198], KoehlerBFFHPSSS21 [294], LacknerMMWW21 [318], Lemos21 [324], WangB20 [538], WallaceY20 [537], FrohnerTR19 [187], MusliuSS18 [386], KuB16 [310]	VlkHT21 [534], Groleaz21 [222], GoldwaserS18 [214], GoldwaserS17 [213], FontaineMH16 [181], Froger16 [186]	KimCMLLP23 [291], abs-2305-19888 [249], MontemanniD23 [378], HeinzNVH22 [248], PohlAK22 [424], HubnerGSV21 [268], FanXG21 [176], KlankeBYE21 [292], AbohashimaEG21 [2], BenediktMH20 [78], MengZRZL20 [370], He0GLW18 [237], DemirovicS18 [154], BenediktSMVH18 [79], TranAB16 [506], BurtLPS15 [114], PesantRR15 [420]
CPSystems	Ilog Scheduler	GrimesH11 [218], Malapert11 [360], ZeballosQH10 [562], Laborie03 [314]	LaborieRSV18 [317], NovasH12 [401], HeinzB12 [243], LimtanyakulS12 [335], HeckmanB11 [242], BeckFW11 [58], GrimesHM09 [220], WatsonB08 [542], ZeballosH05 [561], BeckR03 [62], JainG01 [272], Beck99 [54], NuijtenP98 [404]	Laborie18a [316], KuB16 [310], SchuttS16 [458], TranWDRFOVB16 [513], Fahimi16 [**?**], GrimesH15 [219], TerekhovTDB14 [494], NovasH14 [402], TerekhovDOB12 [493], BeniniLMR11 [81], KovacsB11 [301], SchuttFSW11 [455], LahimerLH11 [320], HachemiGR11 [229], Schutt11 [**?**], LopesCSM10 [349], abs-1009-0347 [454], NovasH10 [400], Vilim09a [528], RuggieroBBMA09 [443], BidotVLB09 [85], KovacsB08 [300], MouraSCL08a [380], MouraSCL08 [381], HoeveGSL07 [520], Beck07 [56], Rodriguez07 [441], Simonis07 [474], BeckW07 [65]... (Total: 54)

Table 14: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	Ilog Solver		GrimesH11 [218], ZeballosQH10 [562], HarjunkoskiG02 [234], JainG01 [272]	abs-1902-01193 [10], LaborieRSV18 [317], HookerH18 [265], Dejemeppe16 [150], ZarandiKS16 [559], Siala15a [467], PesantRR15 [420], BonfiettiLBM14 [99], NovasH14 [402], OzturkTHO13 [411], BonfiettiLBM12 [98], NovasH12 [401], TerekhovDOB12 [493], HeinzB12 [243], LombardiM12a [346], KelbelH11 [287], BonfiettiLBM11 [97], BajestaniB11 [33], KovacsK11 [303], KovacsB11 [301], BandaSC11 [148], TopalogluO11 [502], Schutt11 [?], LombardiM10 [345], abs-1009-0347 [454], LopesCSM10 [349], Lombardi10 [340], LombardiM09 [343], RuggieroBBMA09 [443]... (Total: 58)
CPSystems	MiniZinc	LacknerMMWW23 [319], TardivoDFMP23 [488], ColT22 [137], BoudreaultSLQ22 [107], MullerMKP22 [382], JungblutK22 [276], ArmstrongGOS21 [20], KoehlerBFFHPSSS21 [294], LacknerMMWW21 [318], Mercier-AubinGQ20 [372], WallaceY20 [537], abs-1911-04766 [199], ColT19 [136], FrohnerTR19 [187], GeibingerMM19 [200], HookerH18 [265], YoungFS17 [553], LiuCGM17 [338], SzerediS16 [484], BofillEGPSV14 [94], KelarevaTK13 [286], NethercoteSBBDT07 [393]	PovedaAA23 [428], Godet21a [209], MusliuSS18 [386], KreterSS17 [308], KreterSS15 [307]	Bit-Monnot23 [87], OuelletQ22 [409], GeibingerKKMMW21 [198], abs-2102-08778 [135], abs-1901-07914 [69], Hooker19 [263], FrimodigS19 [185], BehrensLM19 [68], Caballero19 [?], KreterSSZ18 [309], DemirovicS18 [154], CappartTSR18 [118], TranVNB17 [511], FontaineMH16 [181], SchuttS16 [458], BurtLPS15 [114], HeinzSB13 [247], SchuttFS13 [452]
CPSystems	Mistral	JuvinHHL23 [277], Siala15a [467], Malapert11 [360], GrimesHM09 [220]	Bit-Monnot23 [87], Kameugne14 [?], BillautHL12 [86]	GrimesH15 [219], SialaAH15 [468]
CPSystems	OPL	LacknerMMWW23 [319], YunusogluY22 [554], MullerMKP22 [382], TouatBT22 [504], ColT22 [137], LacknerMMWW21 [318], PandeyS21a [412], KoehlerBFFHPSSS21 [294], QinDCS20 [434], Novas19 [399], EscobetPQPRA19 [170], TangLWSK18 [487], LaborieRSV18 [317], NovaraNH16 [398], Dejemeppe16 [150], AlesioNBG14 [158], LouieVNB14 [352], NovasH12 [401], HachemiGR11 [229], ZeballosQH10 [562], Laborie09 [315], KhayatLR06 [289], KanetAG04 [285], JainG01 [272], AggounB93 [7]	SubulanC22 [479], Teppan22 [492], Mercier-AubinGQ20 [372], ZarandiASC20 [560], ZouZ20 [574], MurinR19 [383], HookerH18 [265], Laborie18a [316], CappartTSR18 [118], LimBTBB15 [333], WangMD15 [540], EvenSH15a [172], NovasH14 [402], OzturkTHO13 [411], SerraNM12 [461], HeinzB12 [243], TopalogluO11 [502], EdisO11 [164], KelbelH11 [287], ZibranR11a [573], Menana11 [369], NovasH10 [400], Simonis07 [474], GarganiR07 [190], Hooker07 [261], KrogtLPHJ07 [519], NethercoteSBBDT07 [393], Hooker06 [260], ZeballosH05 [561]... (Total: 38)	abs-2402-00459 [394], GurPAE23 [228], CzerniachowskaWZ23 [139], MontemanniD23 [378], IsikYA23 [271], EfthymiouY23 [165], YuraszeckMCCR23 [557], PerezGSL23 [418], AbreuNP23 [146], abs-2312-13682 [419], GeitzGSSW22 [202], ArmstrongGOS22 [21], ZhangBB22 [564], BoudreaultSLQ22 [107], OujanaAYB22 [410], LiFJZLL22 [329], VlkHT21 [534], Astrand21 [27], Bedhief21 [66], HamPK21 [231], QinWSLS21 [433], Groleaz21 [222], Godet21a [209], abs-2102-08778 [135], HubnerGSV21 [268], Lemos21 [324], Lunardi20 [354], WallaceY20 [537], MengZRZL20 [370]... (Total: 93)
CPSystems	OR-Tools	abs-2402-00459 [394], LacknerMMWW23 [319], abs-2211-14492 [480], ColT22 [137], MullerMKP22 [382], abs-2102-08778 [135], KovacsTKSG21 [306], LacknerMMWW21 [318], KoehlerBFFHPSSS21 [294], Groleaz21 [222], FallahiAC20 [175], ColT19 [136], GayHS15 [194]	EfthymiouY23 [165], BoudreaultSLQ22 [107], GeibingerKKMMW21 [198], Godet21a [209], BarzegaranZP20 [53], LiuCGM17 [338], Dejemeppe16 [150]	Bit-Monnot23 [87], KimCMLLP23 [291], MontemanniD23 [378], AkramNHRSA23 [9], MontemanniD23a [377], Teppan22 [492], KlankeBYE21 [292], MengZRZL20 [370], GroleazNS20 [224], GalleguillosKSB19 [189], BehrensLM19 [68], abs-1901-07914 [69], YangSS19 [551], PourDERB18 [427], BonfiettiZLM16 [103], ZhouGL15 [570], LombardiM12 [347]

Table 14: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	OZ	PrataAN23 [431], NaderiRR23 [388], CzerniachowskaWZ23 [139], IsikYA23 [271], NaderiBZ22 [387], YunusogluY22 [554], Zahout21 [558], ZarandiASC20 [560], WikarekS19 [544], GokgurHO18 [212], CohenHB17 [134], Froger16 [186], TerekhovDOB12 [493], TopalogluO11 [502], NovasH10 [400], Lombardi10 [340], RuggieroBBMA09 [443], Elkhyari03 [166], Demassey03 [153], Layfield02 [323], VanczaM01 [521], SchildW00 [449], Simonis99 [473], BruckerDMNP99 [112], BeldiceanuC94 [70]	GeitzGSSW22 [202], BourreauGGLT22 [108], AbreuN22 [145], SubulanC22 [479], PohlAK22 [424], Astrand21 [27], FanXG21 [176], Godet21a [209], Groleaz21 [222], CauwelaertDS20 [126], GodetLHS20 [210], AstrandJZ20 [30], WessenCS20 [543], AntunesABDEGGOL20 [15], abs-1901-07914 [69], Hooker19 [263], LiuLH19 [337], Novas19 [399], BehrensLM19 [68], CauwelaertLS18 [125], HookerH18 [265], Hooker17 [262], BridiBLMB16 [110], HebrardHJMPV16 [239], Dejemeppe16 [150], BlomBPS14 [90], BajestaniB13 [34], EdisO11 [164], Menana11 [369]... (Total: 41)	Mehdizadeh-Somarin23 [367], GurPAE23 [228], MullerMKP22 [382], CampeauG22 [116], HebrardALLCMR22 [238], ZhangJZL22 [563], ArmstrongGOS22 [21], FetgoD22 [179], TouatBT22 [504], abs-2211-14492 [480], LiFJZLL22 [329], PopovicCGNC22 [426], AbreuAPNM21 [144], ArmstrongGOS21 [20], Bedhief21 [66], LacknerMMWW21 [318], QinWSLS21 [433], Lemos21 [324], PandeyS21a [412], WangB20 [538], SacramentoSP20 [444], FallahiAC20 [175], abs-1911-04766 [199], GurEA19 [575], Tom19 [501], abs-1902-09244 [236], FrimodigS19 [185], NishikawaSTT19 [397], GalleguillosKSB19 [189]... (Total: 97)
CPSystems	SICStus	ArmstrongGOS21 [20], LetortCB15 [328], Letort13 [325], LetortCB13 [327], LetortBC12 [326]	MossigeGSMC17 [379], Kameugne14 [**?**], Malapert11 [360], SchuttFSW11 [455], Schutt11 [**?**], QuSN06 [435]	ArmstrongGOS22 [21], PopovicCGNC22 [426], YangSS19 [551], German18 [204], Madi-WambaLOBM17 [358], JelinekB16 [274], Clercq12 [147], BeldiceanuCDP11 [72], TrojetHL11 [514], BartakCS10 [48], SchuttFSW09 [453], BeldiceanuCP08 [73], Geske05 [205], Bartak02 [46], BeldiceanuC02 [71], Simonis99 [473]
CPSystems	Z3	KoehlerBFFHPSSS21 [294], YounespourAKE19 [552], Menana11 [369], SureshMOK06 [482]	NaderiRR23 [388], VlkHT21 [534], WikarekS19 [544], German18 [204], Baptiste02 [36], Zhou97 [569]	Groleaz21 [222], Caballero19 [**?**], ZhangW18 [566], BofillCSV17 [93], BertholdHLMS10 [83], Rodriguez07 [441], Layfield02 [323], Zhou96 [568]

6.6 Concept Type ApplicationAreas

Table 15: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	COVID		GeibingerKKMMW21 [198]	Mehdizadeh-Somarin23 [367], GurPAE23 [228], OujanaAYB22 [410], Lemos21 [324]
ApplicationAreas	HVAC	LimHTB16 [332], LimBTBB15 [333], GrimesIOS14 [221]		
ApplicationAreas	agriculture			AkramNHRSA23 [9], BenderWS21 [76], HamPK21 [231], Astrand21 [27], QinWSLS21 [433], Astrand0F21 [28], MejiaY20 [368]
ApplicationAreas	aircraft	PohlAK22 [424], WangB20 [538], TranDRFWOVB16 [508], Fahimi16 [**?**], BajestaniB13 [34], LombardiM12 [347], BajestaniB11 [33], FrankK05 [183], ArtiouchineB05 [26], Simonis99 [473]	WangB23 [539], Ham18 [230], Simonis07 [474], SakkoutW00 [447], Simonis95a [471]	PrataAN23 [431], PovedaAA23 [428], ZarandiASC20 [560], abs-1902-09244 [236], Hooker19 [263], HookerH18 [265], LaborieRSV18 [317], TranAB16 [506], Lombardi10 [340], Laborie09 [315], KovacsB08 [300], KrogtLPHJ07 [519], MartinPY01 [365], SimonisCK00 [475], GruianK98 [225], Darby-DowmanLMZ97 [141], Wallace96 [536], Simonis95 [472], SimonisC95 [476]
ApplicationAreas	automotive		YuraszeckMPV22 [556], Groleaz21 [222], LimtanyakulS12 [335], HartmannB10 [235], SunLYL10 [481], Lombardi10 [340], BarlattCG08 [44], SchildW00 [449]	PovedaAA23 [428], NaderiRR23 [388], CzerniachowskaWZ23 [139], NaderiBZ22 [387], AntuoriHHEN21 [17], HubnerGSV21 [268], AbreuAPNM21 [144], KoehlerBFFHPSSS21 [294], VlkHT21 [534], BarzegaranZP20 [53], GeibingerMM19 [200], abs-1911-04766 [199], BonfiettiZLM16 [103], Siala15a [467], AlesioNBG14 [158], BeniniBGM06 [80], KovacsV06 [305], Wallace96 [536]
ApplicationAreas	cable tree	KoehlerBFFHPSSS21 [294]		
ApplicationAreas	car manufacturing		AntuoriHHEN21 [17]	BeldiceanuC94 [70]
ApplicationAreas	container terminal	QinDCS20 [434], SacramentoSP20 [444]	LaborieRSV18 [317]	abs-2312-13682 [419], PerezGSL23 [418], TouatBT22 [504], CauwelaertDS20 [126], WallaceY20 [537], ZarandiASC20 [560], FallahiAC20 [175], Hooker19 [263], CauwelaertDMS16 [124], Dejemeppe16 [150], DejemeppeCS15 [151], NovasH12 [401], LimRX04 [331]
ApplicationAreas	crew-scheduling	ZarandiASC20 [560], PourDERB18 [427]	BourreauGGLT22 [108], Zahout21 [558], Mason01 [366], Touraivane95 [505]	NaderiRR23 [388], WangB23 [539], NaderiBZ22 [387], HeinzNVH22 [248], Lemos21 [324], MokhtarzadehTNF20 [374], TangLWSK18 [487], HookerH18 [265], DoulabiRP16 [163], LipovetzkyBPS14 [336], HachemiGR11 [229], WuBB09 [550], BeldiceanuC02 [71], JainG01 [272], SimonisCK00 [475]
ApplicationAreas	dairies			Bartak02 [46], Bartak02a [45]
ApplicationAreas	dairy	EscobetPQPRA19 [170]	PrataAN23 [431]	Groleaz21 [222]
ApplicationAreas	datacenter	HermenierDL11 [253]		Zahout21 [558], GalleguillosKSB19 [189], Madi-WambaLOBM17 [358], Letort13 [325], IfrimOS12 [270], LetortBC12 [326]
ApplicationAreas	datacentre		HurleyOS16 [269]	
ApplicationAreas	day-ahead market			
ApplicationAreas	deep space			HebrardALLCMR22 [238]
ApplicationAreas	drone	MontemanniD23a [377], MontemanniD23 [378], Ham18 [230]		ShaikhK23 [462], Astrand21 [27], Astrand0F21 [28], AntuoriHHEN21 [17], ZarandiASC20 [560]
ApplicationAreas	earth observation	SquillaciPR23 [478], KucukY19 [313], VerfaillieL01 [522]	BensanaLV99 [82]	HebrardHJMPV16 [239], PraletLJ15 [430], SimoninAHL15 [470], KelarevaTK13 [286], OddiPCC03 [405]
ApplicationAreas	earth orbit			SquillaciPR23 [478]
ApplicationAreas	electroplating		RodosekW98 [439]	EfthymiouY23 [165], WallaceY20 [537], NovasH12 [401]
ApplicationAreas	emergency service		EvenSH15a [172], TopalogluO11 [502]	EvenSH15 [171], SakkoutW00 [447]
ApplicationAreas	energy-price	GrimesIOS14 [221], IfrimOS12 [270]	HurleyOS16 [269], Froger16 [186]	PrataAN23 [431], EscobetPQPRA19 [170], BenediktSMVH18 [79], He0GLW18 [237], LimHTB16 [332]
ApplicationAreas	farming			WinterMMW22 [545], Astrand0F21 [28]

Table 15: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	forestry	HachemiGR11 [229]		Astrand0F21 [28]
ApplicationAreas	hoist	EfthymiouY23 [165], WallaceY20 [537], RodosekW98 [439]	NovasH12 [401], BonfiettiLBM11 [97]	AstrandJZ18 [29], BonfiettiLBM14 [99], BonfiettiM12 [102], BonfiettiLBM12 [98], LombardiBMB11 [342], BeckR03 [62], Baptiste02 [36], KorbaaYG99 [296], PapaB98 [415]
ApplicationAreas	medical	ShinBBHO18 [465], Dejemeppe16 [150], WangMD15 [540], TopalogluO11 [502]	ZarandiASC20 [560], HechingH16 [241], DejemeppeD14 [152], RendlPHPR12 [437], HartmannB10 [235]	ShaikhK23 [462], AbreuNP23 [146], AkramNHRSA23 [9], IsikYA23 [271], FarsiTM22 [177], YunusogluY22 [554], AbreuN22 [145], Lemos21 [324], GeibingerKKMMW21 [198], AbreuAPNM21 [144], Bedhief21 [66], FallahiAC20 [175], abs-1902-01193 [10], FrimodigS19 [185], Novas19 [399], GurEA19 [575], YounespourAKE19 [552], CappartTSR18 [118], HoYCLLCLC18 [255], GedikKEK18 [197], TranVNB17 [511], TranVNB17a [512], DoulabiRP16 [163], BridiBLMB16 [110], BoothNB16 [104], BonfiettiLBM14 [99], DoulabiRP14 [162], Lombardi10 [340], Simonis07 [474], Beck99 [54]
ApplicationAreas	nurse	GurPAE23 [228], FarsiTM22 [177], ZarandiASC20 [560], abs-1902-01193 [10], HoYCLLCLC18 [255], ShinBBHO18 [465], LuoVLBM16 [355], WangMD15 [540], RendlPHPR12 [437], Menana11 [369], Simonis07 [474], Mason01 [366]	OuelletQ22 [409], GeibingerKKMMW21 [198], GeibingerMM21 [201], YounespourAKE19 [552], FrohnerTR19 [187]	PerezGSL23 [418], abs-2312-13682 [419], NaderiBZ22 [387], BourreauGGLT22 [108], FallahiAC20 [175], FrimodigS19 [185], German18 [204], GedikKEK18 [197], NishikawaSTT18a [396], HookerH18 [265], MusliuSS18 [386], DoulabiRP16 [163], Dejemeppe16 [150], DoulabiRP14 [162], TopalogluO11 [502], Simonis99 [473]
ApplicationAreas	offshore		SubulanC22 [479], Froger16 [186]	BoudreaultSLQ22 [107], BlomPS16 [91], BlomBPS14 [90], Jans09 [273]
ApplicationAreas	operating room	GurPAE23 [228], NaderiRR23 [388], NaderiBZ22 [387], FarsiTM22 [177], YounespourAKE19 [552], GurEA19 [575], DoulabiRP16 [163], WangMD15 [540], DoulabiRP14 [162]	ZarandiASC20 [560], Hooker19 [263], HookerH18 [265]	PerezGSL23 [418], abs-2312-13682 [419], WangB23 [539], GeibingerMM21 [201], MusliuSS18 [386]
ApplicationAreas	oven scheduling	LacknerMMWW23 [319], LacknerMMWW21 [318]		ColT22 [137]
ApplicationAreas	patient	GurPAE23 [228], FarsiTM22 [177], GurEA19 [575], FrimodigS19 [185], YounespourAKE19 [552], ShinBBHO18 [465], CappartTSR18 [118], HechingH16 [241], Dejemeppe16 [150], DoulabiRP16 [163], WangMD15 [540], DejemeppeD14 [152], RendlPHPR12 [437], TopalogluO11 [502]	GeibingerKKMMW21 [198]	AlfieriGPS23 [11], NaderiBZ22 [387], AbreuAPNM21 [144], CauwelaertDS20 [126], MurinR19 [383], Hooker19 [263], HoYCLLCLC18 [255], LouieVNB14 [352], DoulabiRP14 [162], Clercq12 [147], Malapert11 [360], Simonis07 [474], KanetAG04 [285]
ApplicationAreas	perfect-square	BeldiceanuCDP11 [72], BeldiceanuCP08 [73], AggounB93 [7]		
ApplicationAreas	physician	GeibingerKKMMW21 [198], ShinBBHO18 [465]	Dejemeppe16 [150]	GurPAE23 [228], FarsiTM22 [177], FrimodigS19 [185], HookerH18 [265], WangMD15 [540], TopalogluO11 [502]
ApplicationAreas	pipeline	BegB13 [67], LopesCSM10 [349], Lombardi10 [340], RuggieroBBMA09 [443], MouraSCL08 [381], MouraSCL08a [380], Malik08 [362], ErtlK91 [169]	ZouZ20 [574], TangLWSK18 [487], MalikMB08 [363], BeniniBGM06 [80], WolinskiKG04 [548], BeldiceanuC94 [70]	EfthymiouY23 [165], PopovicCGNC22 [426], HanenKP21 [233], NishikawaSTT19 [397], NishikawaSTT18 [395], NishikawaSTT18a [396], LaborieRSV18 [317], BlomPS16 [91], Bonfietti16 [96], GilesH16 [206], GoelSHFS15 [211], SimoninAHL15 [470], BonfiettiLBM14 [99], BeniniLMR11 [81], NovasH10 [400], BarlattCG08 [44], KuchcinskiW03 [311], Wolf03 [546], Simonis99 [473], BruckerDMNP99 [112], GruianK98 [225], Darby-DowmanLMZ97 [141], SimonisC95 [476], Simonis95a [471]
ApplicationAreas	radiation therapy	FrimodigS19 [185]		HookerH18 [265]
ApplicationAreas	railway	SvancaraB22 [483], Lemos21 [324], PourDERB18 [427], CappartS17 [117], Acuna-AgostMFG09 [5], AronssonBK09 [22], Rodriguez07 [441], Geske05 [205], RodriguezDG02 [440], MartinPY01 [365], LammaMM97 [321]	ZarandiASC20 [560], LaborieRSV18 [317], TangLWSK18 [487], Mason01 [366], BrusoniCLMMT96 [113]	LuoB22 [356], Godet21a [209], Hooker19 [263], BogaerdtW19 [518], ZhouGL15 [570], BajestaniB15 [35], BajestaniB13 [34], BajestaniB11 [33], WuBB09 [550], AbrilSB05 [4], Wallace96 [536]

Table 15: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	real-time pricing		He0GLW18 [237], GrimesIOS14 [221]	LimHTB16 [332]
ApplicationAreas	rectangle-packing	YangSS19 [551], AggounB93 [7]	LuoB22 [356], Malapert11 [360]	MossigeGSMC17 [379], DoulabiRP16 [163], Siala15a [467], VilimLS15 [532], BeldiceanuCDP11 [72], Schutt11 [?], SchuttW10 [459], BeldiceanuCP08 [73]
ApplicationAreas	robot	IsikYA23 [271], LiFJZLL22 [329], ArmstrongGOS21 [20], Astrand21 [27], KoehlerBFFHPSSS21 [294], WessenCS20 [543], ZarandiASC20 [560], MokhtarzadehTNF20 [374], Lunardi20 [354], MurinR19 [383], abs-1901-07914 [69], BehrensLM19 [68], LaborieRSV18 [317], TranVNB17 [511], MossigeGSMC17 [379], TranVNB17a [512], BoothNB16 [104], NovasH14 [402], LouieVNB14 [352], NovasH12 [401], BartakSR10 [50], BidotVLB09 [85], ValleMGT03 [516], BeckF98 [59]	PrataAN23 [431], Mehdizadeh-Somarin23 [367], CzerniachowskaWZ23 [139], TouatBT22 [504], YunusogluY22 [554], OujanaAYB22 [410], Astrand0F21 [28], WallaceY20 [537], WikarekS19 [544], NishikawaSTT19 [397], NishikawaSTT18a [396], NishikawaSTT18 [395], Dejemeppe16 [150], VanczaM01 [521], BeckF00 [60], Beck99 [54]	abs-2305-19888 [249], MontemanniD23 [378], HeinzNVH22 [248], FarsiTM22 [177], GeitzGSSW22 [202], MullerMKP22 [382], ColT22 [137], YuraszeckMPV22 [556], HamPK21 [231], Groleaz21 [222], ZhangYW21 [565], Godet21a [209], VlkHT21 [534], Bedhief21 [66], FallahiAC20 [175], MengZRZL20 [370], BenediktMH20 [78], MejiaY20 [368], AstrandJZ20 [30], BarzegaranZP20 [53], Novas19 [399], GokgurHO18 [212], Ham18 [230], ZhangW18 [566], AstrandJZ18 [29], ZarandiKS16 [559], Nattaf16 [389], TranWDRFOVB16 [513], DoulabiRP16 [163]... (Total: 56)
ApplicationAreas	satellite	SquillaciPR23 [478], Godet21a [209], GodetLHS20 [210], KucukY19 [313], LaborieRSV18 [317], HebrardHJMPV16 [239], PraletLJ15 [430], KelarevaTK13 [286], VerfaillieL01 [522], BensanaLV99 [82], PembertonG98 [417]	Laborie09 [315], FrankK05 [183]	EfthymiouY23 [165], TouatBT22 [504], Astrand21 [27], Astrand0F21 [28], Zahout21 [558], ZarandiASC20 [560], Hooker19 [263], TranVNB17 [511], Pralet17 [429], Froger16 [186], TranWDRFOVB16 [513], SimoninAHL15 [470], BessiereHMQW14 [84], HeinzSB13 [247], SimoninAHL12 [469], RuggieroBBMA09 [443], Rodriguez07 [441], OddiPCC03 [405], NuijtenP98 [404]
ApplicationAreas	semiconductor	ZarandiASC20 [560], MalapertN19 [361], BajestaniB15 [35], NovasH12 [401]	QinWSLS21 [433], GokgurHO18 [212], HamC16 [232], Davenport10 [142], KrogtLPHJ07 [519]	LacknerMMWW23 [319], YuraszeckMPV22 [556], abs-2211-14492 [480], MullerMKP22 [382], ColT22 [137], ZhangJZL22 [563], FanXG21 [176], LacknerMMWW21 [318], HamPK21 [231], Astrand21 [27], PandeyS21a [412], MengZRZL20 [370], NattafM20 [392], TangB20 [486], Novas19 [399], LaborieRSV18 [317], Ham18 [230], GrimesH15 [219], KoschB14 [298], TerekhovTDB14 [494], Malapert11 [360], Lombardi10 [340]
ApplicationAreas	ship building			
ApplicationAreas	shipping line			QinDCS20 [434], LaborieRSV18 [317], KelarevaTK13 [286]
ApplicationAreas	steel cable			AalianPG23 [1]
ApplicationAreas	steel mill	GaySS14 [196], Letort13 [325], HeinzSSW12 [245], SchausHMCMD11 [448], HentenryckM08 [252], GarganiR07 [190]		abs-2312-13682 [419], PerezGSL23 [418], DoulabiRP16 [163]
ApplicationAreas	super-computer	BorghesiBLMB18 [105], BridiBLMB16 [110], BartoliniBBLM14 [52]		LuoB22 [356], GalleguillosKSB19 [189], HurleyOS16 [269], Dejemeppe16 [150]
ApplicationAreas	surgery	GurPAE23 [228], FarsiTM22 [177], GurEA19 [575], YounespourAKE19 [552], DoulabiRP16 [163], WangMD15 [540], DoulabiRP14 [162]	ZarandiASC20 [560], TopaloglU11 [502]	AlfieriGPS23 [11], NaderiBZ22 [387], Lemos21 [324], FrimodigS19 [185]
ApplicationAreas	torpedo	GoldwaserS18 [214], KletzanderM17 [293], GoldwaserS17 [213]	AntuoriHHEN20 [16]	Hooker19 [263]
ApplicationAreas	vaccine			
ApplicationAreas	yard crane		QinDCS20 [434], Hooker19 [263]	WallaceY20 [537]

6.7 Concept Type Industries

Table 16: Works for Concepts of Type Industries

Type	Keyword	High	Medium	Low
Industries	aerospace industry			SchildW00 [449]
Industries	agricultural industry	WinterMMW22 [545]		
Industries	automotive industry		LimtanyakulS12 [335], HartmannB10 [235]	CzerniachowskaWZ23 [139], AntuoriHHEN21 [17], BonfiettiZLM16 [103], SchildW00 [449], Wallace96 [536]
Industries	chemical industry		Timpe02 [500]	LaborieRSV18 [317], GilesH16 [206], LombardiM12 [347], PoderBS04 [423], Simonis99 [473], Simonis95a [471]
Industries	chemical processing industry			GilesH16 [206]
Industries	control system industry			BonfiettiZLM16 [103]
Industries	electricity industry	Froger16 [186]		PopovicCGNC22 [426], Godet21a [209], AntunesABDEGGOL20 [15], AntunesABDEGGOL18 [14]
Industries	electronics industry			LacknerMMWW23 [319], LacknerMMWW21 [318]
Industries	food industry		Groleaz21 [222]	OujanaAYB22 [410], GroleazNS20a [223], GroleazNS20 [224], EscobetPQPRA19 [170], HachemiGR11 [229], SimonisCK00 [475], Simonis99 [473], SimonisC95 [476], Simonis95 [472]
Industries	food-processing industry			KlankeBYE21 [292], abs-1902-09244 [236]
Industries	manufacturing industry			PrataAN23 [431], CzerniachowskaWZ23 [139], LacknerMMWW23 [319], WinterMMW22 [545], YuraszeckMPV22 [556], FanXG21 [176], LacknerMMWW21 [318], Mercier-AubinGQ20 [372], TangB20 [486], EscobetPQPRA19 [170], GedikKEK18 [197]
Industries	mineral industry			Astrand21 [27], Astrand0F21 [28], AstrandJZ20 [30]
Industries	mining industry		AalianPG23 [1]	abs-2402-00459 [394], CampeauG22 [116], Astrand0F21 [28], Astrand21 [27], AstrandJZ20 [30], ThiruvadyWGS14 [498]
Industries	oil industry			AbreuNP23 [146], AbreuAPNM21 [144], LopesCSM10 [349]
Industries	packaging industry			ArmstrongGOS21 [20]
Industries	petro-chemical industry			LaborieRSV18 [317], GilesH16 [206]
Industries	pharmaceutical industry			YuraszeckMCCR23 [557], CzerniachowskaWZ23 [139], GeibingerKKMMW21 [198], HamC16 [232], NovaraNH16 [398], HartmannB10 [235]
Industries	potash industry			Astrand21 [27], Astrand0F21 [28], AstrandJZ20 [30], AstrandJZ18 [29]
Industries	power industry	Froger16 [186]		FrostD98 [188]
Industries	process industry		Timpe02 [500]	Nattaf16 [389], BlomPS16 [91], HeinzSSW12 [245], HartmannB10 [235], Jans09 [273], Simonis99 [473], Wallace96 [536]
Industries	retail industry			ChapadosJR11 [128]
Industries	services industry			DoomsH08 [161]
Industries	ship repair industry			BoudreaultSLQ22 [107]
Industries	steel industry		DavenportKRSH07 [143]	LacknerMMWW23 [319], KimCMLLP23 [291], IsikYA23 [271], OujanaAYB22 [410], LacknerMMWW21 [318], abs-1902-09244 [236], GoldwaserS18 [214], KletzanderM17 [293], GoldwaserS17 [213], HeinzSSW12 [245], SchausHMCMD11 [448], GrimesH10 [217], GarganiR07 [190]
Industries	steel making industry			
Industries	textile industry	Mercier-AubinGQ20 [372]		ZarandiASC20 [560], BessiereHMQW14 [84]
Industries	tourism industry			LiuCGM17 [338]

6.8 Concept Type Benchmarks

Table 17: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	CSPlib	Siala15a [467], SchausHMCMD11 [448], GarganiR07 [190]	LaborieRSV18 [317], CappartTSR18 [118], German18 [204], MossigeGSMC17 [379], NovaraNH16 [398], Letort13 [325], HeinzSSW12 [245], BandaSC11 [148]	LiuLH19 [337], GelainPRVW17 [203], GaySS14 [196], RendlPHPR12 [437], HentenryckM08 [252], NethercoteSBBDT07 [393]
Benchmarks	Roadef	Froger16 [186], Siala15a [467]	Nattaf16 [389], LetortCB15 [328], Kameugne14 [**?**], Letort13 [325], LetortCB13 [327], LetortBC12 [326]	CzerniachowskaWZ23 [139], Lemos21 [324], HanenKP21 [233], Polo-MejiaALB20 [425], MalapertN19 [361], Tesch18 [496], OuelletQ18 [408], Tesch16 [495], Fahimi16 [**?**], Menana11 [369], Acuna-AgostMFG09 [5], Elkhyari03 [166]
Benchmarks	benchmark	IsikYA23 [271], TardivoDFMP23 [488], AlfieriGPS23 [11], JuvinHHL23 [277], ShaikhK23 [462], LacknerMMWW23 [319], PovedaAA23 [428], Bit-Monnot23 [87], NaderiRR23 [388], AbreuNP23 [146], TasselGS23 [489], abs-2306-05747 [490], YuraszeckMCCR23 [557], BoudreaultSLQ22 [107], ZhangJZL22 [563], OuelletQ22 [409], abs-2211-14492 [480], ColT22 [137], TouatBT22 [504], AbreuN22 [145], MullerMKP22 [382], LiFJZLL22 [329], WinterMMW22 [545], Teppan22 [492], HamPK21 [231], abs-2102-08778 [135], KoehlerBFFHPSSS21 [294], Groleaz21 [222], PandeyS21a [412]... (Total: 96)	abs-2402-00459 [394], AkramNHRSA23 [9], YuraszeckMC23 [555], MontemanniD23a [377], KameugneFND23 [282], abs-2305-19888 [249], FetgoD22 [179], OujanaAYB22 [410], NaderiBZ22 [387], ZhangBB22 [564], BourreauGGLT22 [108], HeinzNVH22 [248], Astrand21 [27], AbreuAPNM21 [144], KovacsTKSG21 [306], Lunardi20 [354], MejiaY20 [368], SacramentoSP20 [444], BenediktMH20 [78], AntuoriHHEN20 [16], GroleazNS20 [224], BadicaBI20 [31], MengZRZL20 [370], Novas19 [399], NishikawaSTT19 [397], GeibingerMM19 [200], ArbaouiY18 [19], NishikawaSTT18 [395], FahimiOQ18 [173]... (Total: 79)	PrataAN23 [431], CzerniachowskaWZ23 [139], MontemanniD23 [378], EfthymiouY23 [165], KimCMLLP23 [291], SquillaciPR23 [478], SvancaraB22 [483], JungblutK22 [276], PohlAK22 [424], SubulanC22 [479], YuraszeckMPV22 [556], YunusogluY22 [554], ArmstrongGOS22 [21], Astrand0F21 [28], HubnerGSV21 [268], Zahout21 [558], KlankeBYE21 [292], VlkHT21 [534], ArmstrongGOS21 [20], LunardiBLRV20 [353], CauwelaertDS20 [126], NattafM20 [392], AstrandJZ20 [30], ZarandiASC20 [560], QinDCS20 [434], ZouZ20 [574], abs-1901-07914 [69], BogaerdtW19 [518], FrohnerTR19 [187]... (Total: 125)
Benchmarks	bitbucket		TardivoDFMP23 [488], Dejemeppe16 [150]	CauwelaertDS20 [126], CauwelaertLS18 [125], He0GLW18 [237], CappartTSR18 [118], CappartS17 [117], CauwelaertDMS16 [124], GayHLS15 [193], GayHS15a [195], DejemeppeCS15 [151], GayHS15 [194], DejemeppeD14 [152], HoundjiSWD14 [267]
Benchmarks	generated instance	IsikYA23 [271], LuoB22 [356], abs-1911-04766 [199]	abs-2312-13682 [419], PerezGSL23 [418], Godet21a [209], MejiaY20 [368], GodetLHS20 [210], Dejemeppe16 [150], Madi-WambaB16 [357], KelbelH11 [287], SchausHMCMD11 [448]	abs-2402-00459 [394], abs-2305-19888 [249], EfthymiouY23 [165], BoudreaultSLQ22 [107], ColT22 [137], YuraszeckMPV22 [556], HeinzNVH22 [248], YunusogluY22 [554], ZhangBB22 [564], abs-2211-14492 [480], TouatBT22 [504], abs-2102-08778 [135], AbreuAPNM21 [144], GeibingerMM21 [201], HanenKP21 [233], Astrand21 [27], AbohashimaEG21 [2], Astrand0F21 [28], MokhtarzadehTNF20 [374], AntuoriHHEN20 [16], LunardiBLRV20 [353], CauwelaertDS20 [126], BenediktMH20 [78], Lunardi20 [354], GeibingerMM19 [200], MalapertN19 [361], YangSS19 [551], KucukY19 [313], MusliuSS18 [386]... (Total: 56)
Benchmarks	github	Lemos21 [324], KoehlerBFFHPSSS21 [294], Godet21a [209]	TardivoDFMP23 [488], PovedaAA23 [428], JungblutK22 [276], BoudreaultSLQ22 [107], HamPK21 [231], GodetLHS20 [210], BenediktMH20 [78], LunardiBLRV20 [353], Siala15a [467]	abs-2402-00459 [394], YuraszeckMC23 [555], SquillaciPR23 [478], JuvinHHL23 [277], YuraszeckMCCR23 [557], Bit-Monnot23 [87], abs-2306-05747 [490], NaderiRR23 [388], TasselGS23 [489], LuoB22 [356], OuelletQ22 [409], ColT22 [137], YuraszeckMPV22 [556], GeitzGSSW22 [202], MullerMKP22 [382], KovacsTKSG21 [306], GeibingerMM21 [201], VlkHT21 [534], AbohashimaEG21 [2], WangB20 [538], Polo-MejiaALB20 [425], FallahiAC20 [175], Lunardi20 [354], ColT19 [136], BehrensLM19 [68], BadicaBIL19 [32], abs-1901-07914 [69], abs-1911-04766 [199], MurinR19 [383]... (Total: 38)
Benchmarks	gitlab		HeinzNVH22 [248]	abs-2305-19888 [249], BoudreaultSLQ22 [107], AntuoriHHEN21 [17], AntuoriHHEN20 [16]

Table 17: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	industrial instance	LuoB22 [356], AntuoriHHEN20 [16]	BonfiettiZLM16 [103], BonfiettiLBM14 [99], Schutt11 [?]	TasselGS23 [489], EfthymiouY23 [165], PovedaAA23 [428], abs-2306-05747 [490], OujanaAYB22 [410], Mercier-AubinGQ20 [372], NattafM20 [392], GroleazNS20 [224], MalapertN19 [361], Hooker19 [263], BofillGSV15 [95], BofillEGPSV14 [94], BonfiettiM12 [102], LombardiBMB11 [342], BonfiettiLBM11 [97]
Benchmarks	industrial partner	BoudreaultSLQ22 [107], Lunardi20 [354], Dejemeppe16 [150]	LacknerMMWW23 [319], ArmstrongGOS21 [20]	WinterMMW22 [545], VlkHT21 [534], LacknerMMWW21 [318], GroleazNS20a [223], AntunesABDEGGOL20 [15], Mercier-AubinGQ20 [372], abs-1911-04766 [199], GeibingerMM19 [200], AntunesABDEGGOL18 [14], MossigeGSMC17 [379], HebrardHJMPV16 [239], Froger16 [186], LipovetzkyBPS14 [336], LimtanyakulS12 [335], Malapert11 [360], KovacsV06 [305], KovacsV04 [304]
Benchmarks	industry partner	BurtLPS15 [114], LipovetzkyBPS14 [336]	BlomBPS14 [90]	WinterMMW22 [545], LuoB22 [356], ArmstrongGOS21 [20], abs-1902-09244 [236], AntunesABDEGGOL18 [14], BlomPS16 [91]
Benchmarks	instance generator	LacknerMMWW23 [319], LacknerMMWW21 [318]	GoldwaserS18 [214], Froger16 [186]	abs-2402-00459 [394], ArmstrongGOS21 [20], Lunardi20 [354], abs-1911-04766 [199], Caballero19 [?], GoldwaserS17 [213], YoungFS17 [553], Dejemeppe16 [150], BeniniLMR11 [81], Schutt11 [?], HartmannB10 [235], Lombardi10 [340], abs-1009-0347 [454], RuggieroBBMA09 [443], LombardiM09 [343], HeipckeCCS00 [250]
Benchmarks	random instance	LacknerMMWW21 [318], WallaceY20 [537], Dejemeppe16 [150]	LacknerMMWW23 [319], EfthymiouY23 [165], WangB23 [539], LetortCB15 [328], KelbelH11 [287]	Mehdizadeh-Somarin23 [367], OuelletQ22 [409], abs-2211-14492 [480], MullerMKP22 [382], VlkHT21 [534], KlankeBYE21 [292], Godet21a [209], HanenKP21 [233], AntuoriHHEN20 [16], LunardiBLRV20 [353], Lunardi20 [354], BenediktMH20 [78], BenediktSMVH18 [79], FahimiOQ18 [173], Hooker17 [262], MossigeGSMC17 [379], CappartS17 [117], Madi-WambaB16 [357], Fahimi16 [?], Siala15a [467], KameugneFSN14 [284], DerrienP14 [156], DerrienPZ14 [157], LetortCB13 [327], LimtanyakulS12 [335], BillautHL12 [86], LetortBC12 [326], BartakS11 [49], BandaSC11 [148]... (Total: 35)
Benchmarks	real-life	GurPAE23 [228], SubulanC22 [479], WinterMMW22 [545], Astrand21 [27], HubnerGSV21 [268], QinDCS20 [434], GurEA19 [575], WangMD15 [540], BartakSR10 [50], BartakCS10 [48], Baptiste02 [36], Bartak02a [45], MartinPY01 [365]	LacknerMMWW23 [319], OujanaAYB22 [410], Lemos21 [324], Astrand0F21 [28], LacknerMMWW21 [318], KlankeBYE21 [292], Lunardi20 [354], FallahiAC20 [175], abs-1911-04766 [199], PourDERB18 [427], MusliuSS18 [386], Froger16 [186], BartakV15 [51], GaySS14 [196], LimtanyakulS12 [335], RuggieroBBMA09 [443], Tsang03 [515], NuijtenP98 [404], SimonisC95 [476], DincbasSH90 [160]	PrataAN23 [431], EfthymiouY23 [165], PovedaAA23 [428], IsikYA23 [271], GeitzGSSW22 [202], CampeauG22 [116], LuoB22 [356], ColT22 [137], NaderiBZ22 [387], Teppan22 [492], BoudreaultSLQ22 [107], YunusogluY22 [554], YuraszeckMPV22 [556], GeibingerMM21 [201], Godet21a [209], Bedhief21 [66], abs-2102-08778 [135], Groleaz21 [222], CauwelaertDS20 [126], WallaceY20 [537], GodetLHS20 [210], SacramentoSP20 [444], ZarandiASC20 [560], AstrandJZ20 [30], GeibingerMM19 [200], YounespourAKE19 [552], MurinR19 [383], Caballero19 [?], GokgurHO18 [212]... (Total: 82)

Table 17: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	real-world	abs-2305-19888 [249], HeinzNVH22 [248], YunusogluY22 [554], ColT22 [137], Lemos21 [324], KoehlerBFFHPSSS21 [294], Astrand21 [27], GeibingerMM21 [201], Lunardi20 [354], MokhtarzadehTNF20 [374], abs-1911-04766 [199], GeibingerMM19 [200], abs-1902-09244 [236], FrohnerTR19 [187], Dejemeppe16 [150], MelgarejoLS15 [8], EvenSH15 [171], EvenSH15a [172], RendlPHPR12 [437], Lombardi10 [340], MouraSCL08a [380], Beck99 [54]	PrataAN23 [431], IsikYA23 [271], abs-2306-05747 [490], AbreuNP23 [146], TasselGS23 [489], AalianPG23 [1], WangB23 [539], YuraszeckMCCR23 [557], SvancaraB22 [483], OujanaAYB22 [410], LuoB22 [356], MullerMKP22 [382], ArmstrongGOS21 [20], AntunesABDEGGOL20 [15], WessenCS20 [543], ZarandiASC20 [560], TangB20 [486], WallaceY20 [537], AstrandJZ20 [30], ParkUJR19 [416], YounespourAKE19 [552], FrimodigS19 [185], RiahiNS018 [438], HookerH18 [265], HoYCLLCLC18 [255], LaborieRSV18 [317], PourDERB18 [427], ShinBBHO18 [465], TranVNB17 [511]... (Total: 44)	abs-2402-00459 [394], KimCMLLP23 [291], abs-2312-13682 [419], PovedaAA23 [428], JuvinHL23 [278], Bit-Monnot23 [87], TardivoDFMP23 [488], CzerniachowskaWZ23 [139], PerezGSL23 [418], ShaikhK23 [462], BourreauGGLT22 [108], CampeauG22 [116], JungblutK22 [276], AbreuN22 [145], ArmstrongGOS22 [21], SubulanC22 [479], FetgoD22 [179], PohlAK22 [424], BoudreaultSLQ22 [107], GeitzGSSW22 [202], GeibingerKKMMW21 [198], AbohashimaEG21 [2], KovacsTKSG21 [306], Astrand0F21 [28], abs-2102-08778 [135], AbreuAPNM21 [144], HillTV21 [254], BadicaBI20 [31], SacramentoSP20 [444]... (Total: 109)
Benchmarks	supplementary material	FarsiTM22 [177], Lunardi20 [354], MejiaY20 [368]	MontemanniD23 [378], SchuttFSW13 [456]	JuvinHHL23 [277], abs-2306-05747 [490], TasselGS23 [489], WinterMMW22 [545], ColT22 [137], BoudreaultSLQ22 [107], YunusogluY22 [554], KovacsTKSG21 [306], ArmstrongGOS21 [20], AntuoriHHEN21 [17], LacknerMMWW21 [318], MengZRZL20 [370]
Benchmarks	zenodo	LacknerMMWW23 [319], SacramentoSP20 [444]		KimCMLLP23 [291], WinterMMW22 [545], ArmstrongGOS21 [20]

6.9 Concept Type Algorithms

Table 18: Works for Concepts of Type Algorithms

Type	Keyword	High	Medium	Low
Algorithms	bi-partite matching			Caballero19 [?], HookerH18 [265], Simonis07 [474], Kumar03 [312], Simonis99 [473]
Algorithms	edge-finder	KameugneFND23 [282], FetgoD22 [179], GingrasQ16 [207], KameugneFSN14 [284], Lombardi10 [340], MercierH08 [371], BaptisteP00 [41]	OuelletQ13 [407], KelbelH11 [287], PapaB98 [415]	BaptisteB18 [38], BonfiettiZLM16 [103], Kameugne14 [?], GuSS13 [226], SchuttFSW11 [455], HeckmanB11 [242], Schutt11 [?], BidotVLB09 [85], SchuttFSW09 [453], BeckW07 [65], BeckW05 [64], BeckR03 [62], ValleMGT03 [516], SakkoutW00 [447], BaptisteP97 [40], Zhou97 [569]
Algorithms	edge-finding	KameugneFND23 [282], JuvinHHL23 [277], TardivoDFMP23 [488], OuelletQ22 [409], FetgoD22 [179], CauwelaertDS20 [126], YangSS19 [551], Caballero19 [?], GokgurHO18 [212], BaptisteB18 [38], HookerH18 [265], FahimiOQ18 [173], KreterSS17 [308], Dejemeppe16 [150], Nattaf16 [389], Fahimi16 [?], Derrien15 [155], Kameugne15 [280], GayHS15a [195], GrimesH15 [219], KameugneFSN14 [284], Kameugne14 [?], OuelletQ13 [407], Letort13 [325], SchuttFS13a [451], Clercq12 [147], Malapert11 [360], SchuttFSW11 [455], KameugneFSN11 [283]... (Total: 49)	BoudreaultSLQ22 [107], LaborieRSV18 [317], Tesch18 [496], GingrasQ16 [207], CauwelaertDMS16 [124], Siala15a [467], LetortCB15 [328], DejemeppeCS15 [151], LetortCB13 [327], LombardiM12 [347], LetortBC12 [326], BartakSR10 [50], Lombardi10 [340], LiessM08 [330], HoeveGSL07 [520], MonetteDD07 [375], Vilim04 [525], Bartak02 [46], SchildW00 [449], Zhou97 [569]	CampeauG22 [116], Astrand21 [27], Godet21a [209], Groleaz21 [222], WallaceY20 [537], OuelletQ18 [408], CauwelaertLS18 [125], NattafAL17 [391], Tesch16 [495], SialaAH15 [468], GayHLS15 [193], DerrienP14 [156], GuSS13 [226], OzturkTHO13 [411], ChuGNSW13 [129], HeinzSB13 [247], LimtanyakulS12 [335], BeldiceanuCDP11 [72], HeckmanB11 [242], KelbelH11 [287], GrimesH11 [218], KovacsB11 [301], SchuttW10 [459], GrimesH10 [217], Vilim09a [528], abs-0907-0939 [421], GrimesHM09 [220], BidotVLB09 [85], BeldiceanuCP08 [73]... (Total: 50)
Algorithms	energetic reasoning	TardivoDFMP23 [488], FetgoD22 [179], OuelletQ22 [409], HanenKP21 [233], CauwelaertLS18 [125], OuelletQ18 [408], Tesch18 [496], NattafAL17 [391], Tesch16 [495], Fahimi16 [?], GayHS15a [195], NattafAL15 [390], DerrienP14 [156], SchuttFS13a [451], LimtanyakulS12 [335], HeinzS11 [246], Vilim11 [529], Lombardi10 [340], Laborie03 [314], Baptiste02 [36]	KameugneFND23 [282], KameugneFGOQ18 [281], Nattaf16 [389], Kameugne14 [?], Letort13 [325], SchuttFS13 [452], Schutt11 [?]	IsikYA23 [271], BoudreaultSLQ22 [107], ArmstrongGOS21 [20], YangSS19 [551], Caballero19 [?], GokgurHO18 [212], Laborie18a [316], HookerH18 [265], BofillCSV17 [93], GingrasQ16 [207], LetortCB15 [328], Derrien15 [155], KameugneFSN14 [284], LetortCB13 [327], OuelletQ13 [407], Clercq12 [147], LombardiM12 [347], Malapert11 [360], LahimerLH11 [320], ClercqPBJ11 [132], BeldiceanuCDP11 [72], abs-0907-0939 [421], Vilim09 [527], Vilim09a [528], Limtanyakul07 [334], WolfS05 [547], TorresL00 [503], BaptisteP00 [41], BruckerDMNP99 [112], PapaB98 [415]
Algorithms	max-flow		LopesCSM10 [349], MouraSCL08 [381], Muscettola02 [385]	FanXG21 [176], ZarandiASC20 [560], Froger16 [186], Fahimi16 [?], Kumar03 [312]
Algorithms	not-first	KameugneFND23 [282], KameugneFGOQ18 [281], FahimiOQ18 [173], Dejemeppe16 [150], Fahimi16 [?], GayHS15a [195], Kameugne14 [?], Clercq12 [147], SchuttFSW11 [455], Malapert11 [360], Schutt11 [?], VilimBC05 [531], ArtiouchineB05 [26], Demassey03 [153], Baptiste02 [36], Beck99 [54]	TardivoDFMP23 [488], FetgoD22 [179], GokgurHO18 [212], HookerH18 [265], OuelletQ18 [408], Kameugne15 [280], DejemeppeCS15 [151], KameugneFSN14 [284], Letort13 [325], OuelletQ13 [407], Lombardi10 [340], SchuttW10 [459], BartakSR10 [50], MonetteDD07 [375], VilimBC04 [530], Wolf03 [546], BeckF00 [60], TorresL00 [503]	JuvinHHL23 [277], OuelletQ22 [409], BoudreaultSLQ22 [107], Astrand21 [27], Groleaz21 [222], CauwelaertDS20 [126], CauwelaertLS18 [125], Tesch16 [495], CauwelaertDMS16 [124], GrimesH15 [219], ChuGNSW13 [129], LimtanyakulS12 [335], KameugneFSN11 [283], Vilim09 [527], Laborie03 [314], SourdN00 [477]
Algorithms	not-last	TardivoDFMP23 [488], KameugneFND23 [282], FahimiOQ18 [173], KameugneFGOQ18 [281], OuelletQ18 [408], Dejemeppe16 [150], Fahimi16 [?], GayHS15a [195], Kameugne14 [?], Clercq12 [147], Malapert11 [360], Schutt11 [?], SchuttW10 [459], ArtiouchineB05 [26], SchuttWS05 [460], Vilim05 [526], VilimBC05 [531], Vilim04 [525], Wolf03 [546], Demassey03 [153], Baptiste02 [36], Beck99 [54]	FetgoD22 [179], CauwelaertDS20 [126], GokgurHO18 [212], Tesch18 [496], Kameugne15 [280], DejemeppeCS15 [151], KameugneFSN14 [284], SchuttFS13a [451], OuelletQ13 [407], Letort13 [325], SchuttFSW11 [455], Vilim11 [529], KameugneFSN11 [283], Lombardi10 [340], BartakSR10 [50], MonetteDD07 [375], VilimBC04 [530], TorresL00 [503], BeckF00 [60]	JuvinHHL23 [277], BoudreaultSLQ22 [107], GeitzGSSW22 [202], OuelletQ22 [409], Astrand21 [27], Groleaz21 [222], GodetLHS20 [210], YangSS19 [551], CauwelaertLS18 [125], HookerH18 [265], CauwelaertDMS16 [124], Tesch16 [495], GrimesH15 [219], ChuGNSW13 [129], LimtanyakulS12 [335], GrimesHM09 [220], MonetteDH09 [376], Vilim09a [528], Vilim09 [527], BocewiczBB09 [92], WolfS05 [547], Laborie03 [314], Vilim03 [524]

Table 18: Works for Concepts of Type Algorithms

Type	Keyword	High	Medium	Low
Algorithms	sweep	Tesch18 [496], Tesch16 [495], BonfiettiZLM16 [103], SimoninAHL15 [470], NattafAL15 [390], LetortCB15 [328], GayHS15 [194], Derrien15 [155], DerrienPZ14 [157], Letort13 [325], LetortCB13 [327], SimoninAHL12 [469], Clercq12 [147], LetortBC12 [326], ClercqPBJ11 [132], Malapert11 [360], abs-0907-0939 [421], BeldiceanuP07 [74], Wolf03 [546], BeldiceanuC02 [71]	FahimiOQ18 [173], GoldwaserS18 [214], GayHS15a [195], Schutt11 [?], AronssonBK09 [22], PoderB08 [422], WolfS05 [547]	KameugneFND23 [282], TardivoDFMP23 [488], HebrardALLCMR22 [238], GeitzGSSW22 [202], FetgoD22 [179], OuelletQ22 [409], Godet21a [209], FallahiAC20 [175], KameugneFGOQ18 [281], CauwelaertLS18 [125], Madi-WambaLOBM17 [358], Nattaf16 [389], GingrasQ16 [207], Dejemeppe16 [150], Fahimi16 [?], BartakV15 [51], EvenSH15 [171], EvenSH15a [172], DerrienP14 [156], BonfiettiLBM14 [99], GaySS14 [196], OuelletQ13 [407], BeldiceanuCDP11 [72], Vilim11 [529], Lombardi10 [340], LombardiM10a [344], BartakSR10 [50], BeldiceanuCP08 [73], KovacsB08 [300]... (Total: 32)
Algorithms	time-tabling	TardivoDFMP23 [488], ShaikhK23 [462], OuelletQ22 [409], Lemos21 [324], DemirovicS18 [154], FahimiOQ18 [173], Fahimi16 [?], GayHS15a [195], Kameugne14 [?], Letort13 [325], OuelletQ13 [407], Menana11 [369], HeinzS11 [246], KanetAG04 [285], Laborie03 [314], ElkhyariGJ02a [168], Wallace96 [536]	Godet21a [209], Astrand21 [27], WallaceY20 [537], ZarandiASC20 [560], abs-1902-01193 [10], HookerH18 [265], CauwelaertLS18 [125], Tesch18 [496], OuelletQ18 [408], Siala15a [467], Derrien15 [155], GayHS15 [194], BofillGSV15 [95], Vilim11 [529], HartmannB10 [235], Demassey03 [153], Elkhyari03 [166], Bartak02 [46]	PrataAN23 [431], KameugneFND23 [282], LacknerMMWW23 [319], AbreuNP23 [146], TouatBT22 [504], FarsiTM22 [177], SvancaraB22 [483], FetgoD22 [179], GeibingerMM21 [201], MokhtarzadehTNF20 [374], GodetLHS20 [210], LiuLH19 [337], Hooker19 [263], abs-1911-04766 [199], KucukY19 [313], GeibingerMM19 [200], Caballero19 [?], KameugneFGOQ18 [281], AstrandJZ18 [29], BaptisteB18 [38], GoldwaserS18 [214], CohenHB17 [134], YoungFS17 [553], ZarandiKS16 [559], Tesch16 [495], LuoVLBM16 [355], LimBTBB15 [333], WangMD15 [540], GrimesH15 [219]... (Total: 56)

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[575] Şeyda Gür, Tamer Eren, and Hacı Mehmet Alakaş. Surgical operation scheduling with goal programming and constraint programming: A case study. *Mathematics*, 2019. URL: https://api.semanticscholar.org/CorpusID:88492001.

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	[24]
FriedrichFMRSST14	FriedrichFMRSST14	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	[184]
VillaverdeP04	VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	2004	ISCA 2004	[533]
BoucherBVBL97	BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Schedulingt Problem	1997	PACT 1997	[106]
PapeB97	PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	1997	PACT 1997	[414]
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	[275]
Wallace94	Wallace94	M. Wallace	Applying Constraints for Scheduling	1994	Constraint Programming 1994	[535]

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	[178]
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.	[464]
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	[541]
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	[413]
Tay92	Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	1992	Comput. J.	[491]

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	[43]	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	[297]	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	[350]	4
CarlierP94	Yes	J. Carlier, E. Pinson	Adjustment of heads and tails for the job-shop problem	1994	European Journal of Operational Research	[122]	16
ApplegateC91	Yes	D. Applegate, W. Cook	A Computational Study of the Job-Shop Scheduling Problem	1991	ORSA Journal on Computing	[18]	8

C Unmatched Concepts

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

Table 23: Unmatched Concepts

Type	Name	CaseSensitive	Revision
Industries	steel making industry		0
ApplicationAreas	day-ahead market		0
ApplicationAreas	ship building		0
ApplicationAreas	vaccine		0
Classification	Modified Generalized Assignment Problem		0
Classification	PP-MS-MMRCPSP	Y	1
Classification	Pre-emptive Job-Shop scheduling Problem		0
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow		0
Classification	SMSDP	Y	1
Classification	Steel-making and continuous casting		0
Concepts	make to stock		1

D Works by Author

D.1 Works by J. Christopher Beck

Table 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	[356]	2022	CPAIOR 2022	17	0	28	506	641
ZhangBB22 ZhangBB22	J. Zhang, Giovanni Lo Bianco, J. Christopher Beck	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware	Yes	[564]	2022	ICAPS 2022	9	0	0	612	649
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[486]	2020	CPAIOR 2020	16	6	12	572	670
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	[509]	2018	J. Sched.	17	8	26	1349	1473
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	[134]	2017	SAT 2017	17	1	12	385	706
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	[511]	2017	J. Artif. Intell. Res.	68	12	0	1350	1477
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	[512]	2017	IJCAI 2017	5	1	0	586	715
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	[104]	2016	CP 2016	17	21	24	368	718
KuB16 KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	Yes	[310]	2016	Comput. Oper. Res.	9	119	17	1273	1484
LuoVLBM16 LuoVLBM16	R. Luo, Richard Anthony Valenzano, Y. Li, J. Christopher Beck, Sheila A. McIlraith	Using Metric Temporal Logic to Specify Scheduling Problems	Yes	[355]	2016	KR 2016	4	0	0	507	727
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	Yes	[506]	2016	INFORMS J. Comput.	13	72	28	1348	1486
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	[508]	2016	SOCS 2016	9	3	0	584	732
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	[513]	2016	AAAI 2016	9	0	0	587	733
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	[35]	2015	J. Sched.	16	17	59	1176	1488
KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[298]	2014	CPAIOR 2014	16	4	18	474	764
LouieVNB14 LouieVNB14	Wing-Yue Geoffrey Louie, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities	Yes	[352]	2014	ICRA 2014	7	16	9	505	766
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[494]	2014	J. Artif. Intell. Res.	38	12	0	1343	1503
BajestaniB13 BajestaniB13	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources	Yes	[34]	2013	J. Artif. Intell. Res.	36	14	0	1175	1505
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[244]	2013	CPAIOR 2013	16	9	15	445	771

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	[247]	2013	Constraints An Int. J.	36	7	31	1249	1507
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	[510]	2013	ICAPS 2013	9	0	0	585	778
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[243]	2012	CPAIOR 2012	17	8	21	444	783
TerekhovDOB12 TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	Yes	[493]	2012	Comput. Ind. Eng.	15	8	48	1342	1515
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[507]	2012	ECAI 2012	6	0	0	583	790
BajestaniB11 BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[33]	2011	ICAPS 2011	8	0	0	332	792
BeckFW11 BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	Yes	[58]	2011	INFORMS J. Comput.	14	43	23	1186	1518
HeckmanB11 HeckmanB11	I. Heckman, J. Christopher Beck	Understanding the behavior of Solution-Guided Search for job-shop scheduling	Yes	[242]	2011	J. Sched.	20	0	22	1247	1522
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[301]	2011	Constraints An Int. J.	24	4	26	1269	1524
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[85]	2009	J. Sched.	30	58	20	1198	1538
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	Yes	[550]	2009	Comput. Oper. Res.	9	42	5	1359	1544
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[300]	2008	Eng. Appl. Artif. Intell.	7	5	14	1268	1547
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[542]	2008	CPAIOR 2008	15	14	17	602	833
Beck07 Beck07	J. Christopher Beck	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling	Yes	[56]	2007	J. Artif. Intell. Res.	29	34	0	1183	1551
BeckW07 BeckW07	J. Christopher Beck, N. Wilson	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations	Yes	[65]	2007	J. Artif. Intell. Res.	50	27	0	1188	1552
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[299]	2007	CPAIOR 2007	15	2	12	475	840
Beck06 Beck06	J. Christopher Beck	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling	Yes	[55]	2006	ICAPS 2006	10	0	0	342	846
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[64]	2005	IJCAI 2005	6	0	0	346	855
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[119]	2005	CP 2005	1	0	0	375	856
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[549]	2005	CP 2005	1	0	0	608	871
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[63]	2004	ECAI 2004	5	0	0	345	873
BeckPS03 BeckPS03	J. Christopher Beck, P. Prosser, E. Selensky	Vehicle Routing and Job Shop Scheduling: What's the Difference?	Yes	[61]	2003	ICAPS 2003	10	0	0	344	884
BeckR03 BeckR03	J. Christopher Beck, P. Refalo	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs	Yes	[62]	2003	Ann. Oper. Res.	23	29	0	1187	1564
BeckF00 BeckF00	J. Christopher Beck, Mark S. Fox	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics	Yes	[60]	2000	Artif. Intell.	51	24	19	1184	1578
Beck99 Beck99	J. Christopher Beck	Texture measurements as a basis for heuristic commitment techniques in constraint-directed scheduling	Yes	[54]	1999	University of Toronto, Canada	418	0	0	2548	??
BeckF98 BeckF98	J. Christopher Beck, Mark S. Fox	A Generic Framework for Constraint-Directed Search and Scheduling	Yes	[59]	1998	AI Mag.	30	0	0	1185	1589

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	[57]	1997	CP 1997	15	3	12	343	915

D.2 Works by Andreas Schutt

Table 25: Works from bibtex (Total 26)

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	[551]	2019	CPAIOR 2019	10	1	14	609	687
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[214]	2018	J. Artif. Intell. Res.	32	8	0	1235	1465
KreterSSZ18 KreterSSZ18	S. Kreter, A. Schutt, Peter J. Stuckey, J. Zimmermann	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems	Yes	[309]	2018	Eur. J. Oper. Res.	15	25	31	1272	1468
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[386]	2018	CPAIOR 2018	17	7	23	525	698
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[213]	2017	CP 2017	16	0	10	428	708
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[308]	2017	Constraints An Int. J.	31	15	20	1271	1475
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[553]	2017	CP 2017	10	6	21	610	716
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[458]	2016	CP 2016	17	3	23	557	729
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[484]	2016	CP 2016	10	9	14	571	730
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[171]	2015	CP 2015	18	3	12	404	738
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[172]	2015	CoRR	16	0	0	1223	1489
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[307]	2015	CP 2015	17	7	16	480	742
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[457]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	??
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	[498]	2014	J. Heuristics	34	19	18	1344	1504
ChuGNSW13 ChuGNSW13	G. Chu, S. Gaspers, N. Narodytska, A. Schutt, T. Walsh	On the Complexity of Global Scheduling Constraints under Structural Restrictions	Yes	[129]	2013	IJCAI 2013	7	0	0	380	768
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	[226]	2013	CPAIOR 2013	7	10	24	437	770
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[452]	2013	CP 2013	17	10	20	554	776
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[451]	2013	CPAIOR 2013	17	20	27	555	777
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[456]	2013	J. Sched.	17	43	23	1330	1509
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[450]	2012	CPAIOR 2012	17	18	21	553	787

Table 25: Works from bibtex (Total 26)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Schutt11 Schutt11	A. Schutt	Improving Scheduling by Learning	Yes	[?]	2011	University of Melbourne, Australia	209	0	0	2570	??
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[455]	2011	Constraints An Int. J.	33	57	23	1329	1527
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[459]	2010	CP 2010	15	13	14	558	812
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	[454]	2010	CoRR	37	0	0	1373	1537
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[453]	2009	CP 2009	16	34	11	556	821
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[460]	2005	INAP 2005	15	6	4	559	868

D.3 Works by Peter J. Stuckey

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	[551]	2019	CPAIOR 2019	10	1	14	609	687
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[154]	2018	CPAIOR 2018	18	4	16	393	693
KreterSSZ18 KreterSSZ18	S. Kreter, A. Schutt, Peter J. Stuckey, J. Zimmermann	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems	Yes	[309]	2018	Eur. J. Oper. Res.	15	25	31	1272	1468
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[386]	2018	CPAIOR 2018	17	7	23	525	698
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[308]	2017	Constraints An Int. J.	31	15	20	1271	1475
BlomPS16 BlomPS16	Michelle L. Blom, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods	Yes	[91]	2016	Manag. Sci.	26	20	36	1201	1478
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[458]	2016	CP 2016	17	3	23	557	729
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	[114]	2015	CPAIOR 2015	17	0	8	372	736
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[307]	2015	CP 2015	17	7	16	480	742
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[457]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	??
BlomBPS14 BlomBPS14	Michelle L. Blom, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines	Yes	[90]	2014	INFORMS J. Comput.	19	15	47	1200	1498
LipovetzkyBPS14 LipovetzkyBPS14	N. Lipovetzky, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	Planning for Mining Operations with Time and Resource Constraints	Yes	[336]	2014	ICAPS 2014	9	0	0	496	765
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	[226]	2013	CPAIOR 2013	7	10	24	437	770

Table 26: Works from bibtex (Total 24)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[452]	2013	CP 2013	17	10	20	554	776
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[451]	2013	CPAIOR 2013	17	20	27	555	777
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[456]	2013	J. Sched.	17	43	23	1330	1509
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[227]	2012	CP 2012	15	5	20	438	782
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[450]	2012	CPAIOR 2012	17	18	21	553	787
BandaSC11 BandaSC11	Maria Garcia de la Banda, Peter J. Stuckey, G. Chu	Solving Talent Scheduling with Dynamic Programming	Yes	[148]	2011	INFORMS J. Comput.	18	24	17	1177	1516
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[455]	2011	Constraints An Int. J.	33	57	23	1329	1527
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	[454]	2010	CoRR	37	0	0	1373	1537
OhrimenkoSC09 OhrimenkoSC09	O. Ohrimenko, Peter J. Stuckey, M. Codish	Propagation via lazy clause generation	Yes	[406]	2009	Constraints	35	127	15	1310	1542
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[453]	2009	CP 2009	16	34	11	556	821
NethercoteSBBDT07 NethercoteSBBDT07	N. Nethercote, Peter J. Stuckey, R. Becket, S. Brand, Gregory J. Duck, G. Tack	MiniZinc: Towards a Standard CP Modelling Language	Yes	[393]	2007	CP 2007	15	344	5	527	844

D.4 Works by Michela Milano

Table 27: 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	[105]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1205	1460
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[103]	2016	CP 2016	17	0	11	367	717
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[110]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1207	1480
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[111]	2016	ECAI 2016	2	0	0	370	719
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[341]	2015	CP 2015	16	0	8	500	744
BartoliniBBLM14 BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[52]	2014	CP 2014	16	12	3	340	753
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[99]	2014	Artif. Intell.	28	8	15	1204	1499
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[101]	2014	CPAIOR 2014	16	3	12	365	756
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[100]	2013	ICAPS 2013	5	0	0	364	767
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[348]	2013	ICAPS 2013	2	0	0	504	774

Table 27: Works from bibtex (Total 24)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[98]	2012	CPAIOR 2012	16	2	11	363	780
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[102]	2012	DC SIAAI 2012	3	0	0	366	781
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[347]	2012	Constraints An Int. J.	35	39	68	1283	1512
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[346]	2012	Artif. Intell.	10	3	13	1284	1513
BeniniLMR11 BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[81]	2011	Ann. Oper. Res.	27	18	16	1196	1520
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[97]	2011	CP 2011	15	3	14	362	793
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[342]	2011	CPAIOR 2011	17	1	13	501	802
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[345]	2010	CP 2010	15	1	11	503	810
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[344]	2010	Artif. Intell.	30	8	24	1282	1533
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[343]	2009	CP 2009	15	7	12	502	819
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	[443]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	9	27	1323	1543
BeniniBGM06 BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[80]	2006	CPAIOR 2006	15	18	10	353	847
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[321]	1997	Artif. Intell. Eng.	15	11	7	1278	1596
BrusoniCLMMT96 BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[113]	1996	ISMIS 1996	10	1	9	371	919

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	[105]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1205	1460
CauwelaertLS18 CauwelaertLS18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[125]	2018	Constraints An Int. J.	36	2	39	1215	1461
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[103]	2016	CP 2016	17	0	11	367	717
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[110]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1207	1480
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[111]	2016	ECAI 2016	2	0	0	370	719
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[341]	2015	CP 2015	16	0	8	500	744

Table 28: Works from bibtex (Total 22)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BartoliniBBLM14 BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[52]	2014	CP 2014	16	12	3	340	753
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[99]	2014	Artif. Intell.	28	8	15	1204	1499
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[101]	2014	CPAIOR 2014	16	3	12	365	756
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[100]	2013	ICAPS 2013	5	0	0	364	767
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[348]	2013	ICAPS 2013	2	0	0	504	774
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[98]	2012	CPAIOR 2012	16	2	11	363	780
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[347]	2012	Constraints An Int. J.	35	39	68	1283	1512
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[346]	2012	Artif. Intell.	10	3	13	1284	1513
BeniniLMR11 BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[81]	2011	Ann. Oper. Res.	27	18	16	1196	1520
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[97]	2011	CP 2011	15	3	14	362	793
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[342]	2011	CPAIOR 2011	17	1	13	501	802
Lombardi10 Lombardi10	M. Lombardi	Hybrid Methods for Resource Allocation and Scheduling Problems in Deterministic and Stochastic Environments	Yes	[340]	2010	University of Bologna, Italy	175	0	0	2564	??
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[345]	2010	CP 2010	15	1	11	503	810
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[344]	2010	Artif. Intell.	30	8	24	1282	1533
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[343]	2009	CP 2009	15	7	12	502	819
HoeveGSL07 HoeveGSL07	Willem Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[520]	2007	AAAI 2007	6	0	0	452	838

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	[277]	2023	CP 2023	16	0	0	461	623
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	[238]	2022	IJCAI 2022	7	0	0	441	638
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	[17]	2021	CP 2021	16	0	0	322	651
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	No	[24]	2021	ICORES 2021	8	0	0	No	653

Table 29: Works from bibtex (Total 17)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
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	[16]	2020	CP 2020	16	3	8	321	663
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	[210]	2020	AAAI 2020	8	1	0	427	665
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	[239]	2016	Discret. Appl. Math.	10	9	8	1246	1483
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	Yes	[219]	2015	INFORMS J. Comput.	17	12	41	1236	1491
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[468]	2015	CP 2015	10	4	17	562	749
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[470]	2015	Constraints An Int. J.	23	4	5	1334	1496
BessiereHMQW14 BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[84]	2014	CPAIOR 2014	16	1	3	355	754
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[86]	2012	CPAIOR 2012	15	1	19	356	779
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[469]	2012	CP 2012	15	3	8	563	789
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[218]	2011	CP 2011	17	5	18	432	797
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[217]	2010	CPAIOR 2010	15	13	20	431	809
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[220]	2009	CP 2009	9	15	12	433	817
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[240]	2005	CP 2005	1	0	3	442	863

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	Yes	[263]	2019	Large Scale Optimization in Supply Chains and Smart Manufacturing	26	8	0	2581	??
HookerH18 HookerH18	John N. Hooker, Willem Jan van Hoeve	Constraint programming and operations research	Yes	[265]	2018	Constraints An Int. J.	24	12	189	1255	1467
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[262]	2017	CP 2017	14	6	24	455	709
HechingH16 HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[241]	2016	CPAIOR 2016	11	10	0	443	724
CireCH13 CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[131]	2013	CPAIOR 2013	7	3	23	382	769
CobanH10 CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes	[133]	2010	CPAIOR 2010	5	9	9	384	807

Table 30: Works from bibtex (Total 14)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Hooker07 Hooker07	John N. Hooker	Planning and Scheduling by Logic-Based Benders Decomposition	Yes	[261]	2007	Operations Research	29	181	19	1254	1553
Hooker06 Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[260]	2006	Constraints An Int. J.	19	19	13	1253	1556
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[258]	2005	Constraints An Int. J.	17	68	11	1252	1560
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[259]	2005	CP 2005	14	30	10	454	864
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[257]	2004	CP 2004	12	39	9	453	875
HookerO03 HookerO03	John N. Hooker, G. Ottosson	Logic-based Benders decomposition	Yes	[264]	2003	Mathematical Programming	28	317	0	1256	1565
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[266]	2002	CP 2002	5	8	7	456	896
Hooker00 Hooker00	John N. Hooker	Logic Based Methods for Optimization: Combining Optimization and Constraint Satisfaction	No	[256]	2000	Book	null	185	0	No	??

D.8 Works by Helmut Simonis

Table 31: Works from bibtex (Total 14)

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	[21]	2022	CPAIOR 2022	13	0	14	325	635
ArmstrongGOS21 ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[20]	2021	CP 2021	18	1	0	324	652
AntunesABDEGGOL20 AntunesABDEGGOL20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[15]	2020	Int. J. Artif. Intell. Tools	31	0	16	1170	1432
AntunesABDEGGOL18 AntunesABDEGGOL18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[14]	2018	ICTAI 2018	8	1	24	320	688
HurleyOS16 HurleyOS16	B. Hurley, B. O'Sullivan, H. Simonis	ICON Loop Energy Show Case	Yes	[269]	2016	Data Mining and Constraint Programming - Foundations of a Cross-Disciplinary Approach	14	0	16	2582	??
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[221]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1237	1500
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[270]	2012	CP 2012	16	6	20	458	784
Simonis07 Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[474]	2007	Constraints An Int. J.	30	10	17	1335	1555
SimonisCK00 SimonisCK00	H. Simonis, P. Charlier, P. Kay	Constraint Handling in an Integrated Transportation Problem	Yes	[475]	2000	IEEE Intell. Syst.	7	11	5	1336	1584
Simonis99 Simonis99	H. Simonis	Building Industrial Applications with Constraint Programming	Yes	[473]	1999	CCL'99 1999	39	5	18	566	907
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[472]	1995	CP 1995	4	7	3	564	924

Table 31: Works from bibtex (Total 14)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Simonis95a Simonis95a	H. Simonis	Application Development with the CHIP System	Yes	[471]	1995	CONTESSA 1995	21	1	12	565	925
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[476]	1995	CP 1995	14	17	8	567	926
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[160]	1990	J. Log. Program.	19	86	9	1220	1608

D.9 Works by Nicolas Beldiceanu

Table 32: Works from bibtex (Total 13)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Madi-WambaLOBM17 Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Green Energy Aware Scheduling Problem in Virtualized Datacenters	Yes	[358]	2017	ICPADS 2017	8	1	8	509	712
Madi-WambaB16 Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[357]	2016	CPAIOR 2016	16	0	0	508	728
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[328]	2015	Constraints An Int. J.	52	2	14	1279	1493
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the *k-dimensional cumulative* Constraint	Yes	[327]	2013	CPAIOR 2013	16	3	10	490	773
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[326]	2012	CP 2012	16	18	12	489	785
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the *cumulative* constraint in the context of non-overlapping rectangles	Yes	[72]	2011	Ann. Oper. Res.	24	8	8	1192	1519
ClercqPBJ11 ClercqPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[132]	2011	CP 2011	16	3	11	383	795
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[73]	2008	CPAIOR 2008	15	8	9	349	826
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[422]	2008	ICAPS 2008	8	0	0	540	832
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources *cumulative* Constraint with Positive-Negative Resource Consumption-Production	Yes	[74]	2007	CPAIOR 2007	15	4	7	350	835
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	[423]	2004	Eur. J. Oper. Res.	16	7	8	1314	1563
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[71]	2002	CP 2002	17	33	9	348	893
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	1167	1602

D.10 Works by Pierre Lopez

Table 33: 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	[277]	2023	CP 2023	16	0	0	461	623
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[278]	2023	CPAIOR 2023	16	0	11	462	624
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	[238]	2022	IJCAI 2022	7	0	0	441	638
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	[425]	2020	Int. J. Prod. Res.	18	8	23	1316	1442
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[391]	2017	Constraints An Int. J.	18	5	10	1302	1476
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[390]	2015	Constraints An Int. J.	21	14	13	1301	1494
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[470]	2015	Constraints An Int. J.	23	4	5	1334	1496
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[86]	2012	CPAIOR 2012	15	1	19	356	779
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[469]	2012	CP 2012	15	3	8	563	789
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	[320]	2011	CPAIOR 2011	14	3	15	487	801
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	[514]	2011	Comput. Ind. Eng.	7	11	17	1351	1529
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	[350]	2000	Eur. J. Control	4	0	0	1286	1581
TorresL00 TorresL00	P. Torres, P. Lopez	On Not-First/Not-Last conditions in disjunctive scheduling	Yes	[503]	2000	European Journal of Operational Research	12	26	13	1347	1586

D.11 Works by Christian Artigues

Table 34: 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	[428]	2023	CP 2023	21	0	0	542	629
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	[238]	2022	IJCAI 2022	7	0	0	441	638
PohlAK22 PohlAK22	M. Pohl, C. Artigues, R. Kolisch	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach	Yes	[424]	2022	Eur. J. Oper. Res.	16	4	31	1315	1413

Table 34: 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	[24]	2021	ICORES 2021	8	0	0	No	653
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	[425]	2020	Int. J. Prod. Res.	18	8	23	1316	1442
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[391]	2017	Constraints An Int. J.	18	5	10	1302	1476
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[390]	2015	Constraints An Int. J.	21	14	13	1301	1494
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[468]	2015	CP 2015	10	4	17	562	749
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[470]	2015	Constraints An Int. J.	23	4	5	1334	1496
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[469]	2012	CP 2012	15	3	8	563	789
ArtiguesBF04 ArtiguesBF04	C. Artigues, S. Belmokhtar, D. Feillet	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times	Yes	[23]	2004	CPAIOR 2004	13	16	9	327	872
ArtiguesR00 ArtiguesR00	C. Artigues, F. Roubellat	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes	Yes	[25]	2000	Eur. J. Oper. Res.	20	84	3	1172	1576

D.12 Works by Pierre Schaus

Table 35: 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	[126]	2020	Journal of Scheduling	19	2	21	1214	1436
CappartTSR18 CappartTSR18	Q. Cappart, C. Thomas, P. Schaus, L. Rousseau	A Constraint Programming Approach for Solving Patient Transportation Problems	Yes	[118]	2018	CP 2018	17	6	31	374	692
CauwelaertLS18 CauwelaertLS18	Sascha Van Cauwelaert, M. Lombardi, P. Schaus	How efficient is a global constraint in practice? - A fair experimental framework	Yes	[125]	2018	Constraints An Int. J.	36	2	39	1215	1461
CappartS17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[117]	2017	CPAIOR 2017	16	2	28	373	705
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[124]	2016	CP 2016	16	1	12	377	720
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[151]	2015	CP 2015	16	5	11	391	737
GayHLS15 GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	Yes	[193]	2015	CP 2015	9	20	15	414	739
GayHS15 GayHS15	S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint	Yes	[194]	2015	CP 2015	9	10	9	415	740
GayHS15a GayHS15a	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[195]	2015	CPAIOR 2015	16	5	12	416	741
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[196]	2014	CP 2014	15	7	11	417	762
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[267]	2014	CP 2014	16	5	7	457	763

Table 35: 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	[448]	2011	Constraints An Int. J.	23	14	5	1327	1526

D.13 Works by Roman Barták

Table 36: 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	[483]	2022	ICAART 2022	8	0	0	570	645
JelinekB16 JelinekB16	J. Jelínek, R. Barták	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station	Yes	[274]	2016	PADL 2016	10	0	5	459	725
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[51]	2015	ICAART 2015	12	0	0	339	734
Bartak14 Bartak14	R. Barták	Planning and Scheduling	No	[47]	2014	Computing Handbook, Third Edition: Computer Science and Software Engineering	null	0	0	No	??
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[49]	2011	Constraints An Int. J.	5	17	3	1181	1517
BartakCS10 BartakCS10	R. Barták, O. Cepek, P. Surynek	Discovering implied constraints in precedence graphs with alternatives	Yes	[48]	2010	Ann. Oper. Res.	31	2	9	1180	1530
BartakSR10 BartakSR10	R. Barták, Miguel A. Salido, F. Rossi	New trends in constraint satisfaction, planning, and scheduling: a survey	Yes	[50]	2010	Knowl. Eng. Rev.	31	28	47	1182	1531
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	[531]	2005	Constraints An Int. J.	23	21	5	1353	1561
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[530]	2004	CP 2004	15	13	4	598	881
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[46]	2002	CP 2002	16	6	4	337	891
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[45]	2002	ERCIM/CologNet 2002	15	1	9	338	892

D.14 Works by Philippe Laborie

Table 37: Works from bibtex (Total 11)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
LunardiBLRV20 LunardiBLRV20	Willian T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem	Yes	[353]	2020	Comput. Oper. Res.	20	30	18	1288	1438

Table 37: 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	[316]	2018	CPAIOR 2018	9	18	10	485	697
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	[317]	2018	Constraints An Int. J.	41	148	35	1276	1469
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	514	745
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[532]	2015	CPAIOR 2015	17	31	19	599	750
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[85]	2009	J. Sched.	30	58	20	1198	1538
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[315]	2009	CPAIOR 2009	15	53	2	484	818
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[39]	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	[208]	2005	ICAPS 2005	9	0	0	426	862
Laborie03 Laborie03	P. Laborie	Algorithms for propagating resource constraints in AI planning and scheduling: Existing approaches and new results	Yes	[314]	2003	Artificial Intelligence	38	128	10	1275	1567
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[180]	2000	AIPS 2000	10	0	0	405	905

D.15 Works by Petr Vilím

Table 38: 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	[317]	2018	Constraints An Int. J.	41	148	35	1276	1469
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[532]	2015	CPAIOR 2015	17	31	19	599	750
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[529]	2011	CPAIOR 2011	16	28	6	597	803
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)${\mathcal O}(kn {\rm log} n)	Yes	[527]	2009	CP 2009	15	25	4	595	823
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[528]	2009	CPAIOR 2009	15	13	4	596	824
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[526]	2005	CPAIOR 2005	14	5	8	594	869
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	[531]	2005	Constraints An Int. J.	23	21	5	1353	1561
Vilim04 Vilim04	P. Vilím	O(n log n) Filtering Algorithms for Unary Resource Constraint	Yes	[525]	2004	CPAIOR 2004	13	22	5	593	880
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[530]	2004	CP 2004	15	13	4	598	881
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[524]	2003	CP 2003	1	1	1	592	889

Table 38: 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	[523]	2002	CP 2002	1	6	1	591	899

D.16 Works by Philippe Baptiste

Table 39: Works from bibtex (Total 10)

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	[38]	2018	Discret. Appl. Math.	10	3	13	1178	1459
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[37]	2009	CP 2009	1	0	0	333	816
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[39]	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	[26]	2005	CP 2005	15	3	11	328	854
Baptiste02 Baptiste02	P. Baptiste	Résultats de complexité et programmation par contraintes pour l'ordonnancement	Yes	[36]	2002	Université de Technologie de Compiègne	237	0	0	2547	??
BaptistePN01 BaptistePN01	P. Baptiste, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling	No	[42]	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	[41]	2000	Constraints An Int. J.	21	46	0	1179	1577
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[415]	1998	Constraints An Int. J.	25	14	0	1313	1592
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[40]	1997	CP 1997	15	8	10	335	914
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[414]	1997	PACT 1997	20	0	0	No	918

D.17 Works by Luca Benini

Table 40: 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	[105]	2018	Sustain. Comput. Informatics Syst.	13	11	22	1205	1460
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[110]	2016	IEEE Trans. Parallel Distributed Syst.	14	17	22	1207	1480

Table 40: Works from bibtex (Total 10)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[111]	2016	ECAI 2016	2	0	0	370	719
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[99]	2014	Artif. Intell.	28	8	15	1204	1499
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[98]	2012	CPAIOR 2012	16	2	11	363	780
BeniniLMR11 BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[81]	2011	Ann. Oper. Res.	27	18	16	1196	1520
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[97]	2011	CP 2011	15	3	14	362	793
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[342]	2011	CPAIOR 2011	17	1	13	501	802
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	[443]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	9	27	1323	1543
BeniniBGM06 BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[80]	2006	CPAIOR 2006	15	18	10	353	847

D.18 Works by Alessio Bonfietti

Table 41: 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	[96]	2016	Intelligenza Artificiale	13	0	19	1203	1479
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[103]	2016	CP 2016	17	0	11	367	717
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[341]	2015	CP 2015	16	0	8	500	744
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[99]	2014	Artif. Intell.	28	8	15	1204	1499
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[101]	2014	CPAIOR 2014	16	3	12	365	756
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[100]	2013	ICAPS 2013	5	0	0	364	767
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[98]	2012	CPAIOR 2012	16	2	11	363	780
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[102]	2012	DC SIAAI 2012	3	0	0	366	781
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[97]	2011	CP 2011	15	3	14	362	793
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[342]	2011	CPAIOR 2011	17	1	13	501	802

D.19 Works by Pascal Van Hentenryck

Table 42: 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	[181]	2016	CPAIOR 2016	11	3	0	406	721
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[171]	2015	CP 2015	18	3	12	404	738
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[172]	2015	CoRR	16	0	0	1223	1489
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	[448]	2011	Constraints An Int. J.	23	14	5	1327	1526
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[376]	2009	ICAPS 2009	8	0	0	518	820
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[161]	2008	CPAIOR 2008	16	1	2	397	827
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[252]	2008	CPAIOR 2008	5	13	3	448	828
MercierH08 MercierH08	L. Mercier, Pascal Van Hentenryck	Edge Finding for Cumulative Scheduling	Yes	[371]	2008	INFORMS Journal on Computing	21	32	5	1294	1550
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[251]	2004	CPAIOR 2004	16	12	14	447	874
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[160]	1990	J. Log. Program.	19	86	9	1220	1608

D.20 Works by Nysret Musliu

Table 43: 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	[319]	2023	Constraints An Int. J.	42	0	32	1277	1394
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[545]	2022	CP 2022	18	0	0	604	648
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[198]	2021	CPAIOR 2021	10	0	6	418	656
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[201]	2021	AAAI 2021	9	0	0	420	657
LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[318]	2021	CP 2021	18	0	0	486	662
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[200]	2019	CPAIOR 2019	16	6	15	419	680
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	[199]	2019	CoRR	16	0	0	1377	1458
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[386]	2018	CPAIOR 2018	17	7	23	525	698
KletzanderM17 KletzanderM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[293]	2017	CPAIOR 2017	15	1	9	472	710

D.21 Works by Claude-Guy Quimper

Table 44: 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	[107]	2022	CP 2022	16	0	0	369	636
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[409]	2022	CPAIOR 2022	17	1	22	534	642
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[372]	2020	CPAIOR 2020	13	2	13	515	668
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	[173]	2018	Constraints An Int. J.	22	2	20	1224	1462
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Sévérine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[281]	2018	CPAIOR 2018	17	1	12	464	696
OuelletQ18 OuelletQ18	Y. Ouellet, C. Quimper	A O(n \log ˆ2 n) Checker and O(nˆ2 \log n) Filtering Algorithm for the Energetic Reasoning	Yes	[408]	2018	CPAIOR 2018	18	6	16	533	701
GingrasQ16 GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[207]	2016	IJCAI 2016	7	0	0	425	723
BessiereHMQW14 BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[84]	2014	CPAIOR 2014	16	1	3	355	754
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[407]	2013	CP 2013	16	12	14	532	775

D.22 Works by Tony T. Tran

Table 45: 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	[509]	2018	J. Sched.	17	8	26	1349	1473
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	[511]	2017	J. Artif. Intell. Res.	68	12	0	1350	1477
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	[512]	2017	IJCAI 2017	5	1	0	586	715
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	Yes	[506]	2016	INFORMS J. Comput.	13	72	28	1348	1486
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	[508]	2016	SOCS 2016	9	3	0	584	732
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	[513]	2016	AAAI 2016	9	0	0	587	733
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[494]	2014	J. Artif. Intell. Res.	38	12	0	1343	1503
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	[510]	2013	ICAPS 2013	9	0	0	585	778
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[507]	2012	ECAI 2012	6	0	0	583	790

D.23 Works by Mats Carlsson

Table 46: 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	[543]	2020	CPAIOR 2020	10	2	11	603	672
MossigeGSMC17 MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[379]	2017	CP 2017	18	6	33	519	713
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[328]	2015	Constraints An Int. J.	52	2	14	1279	1493
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the *k-dimensional cumulative* Constraint	Yes	[327]	2013	CPAIOR 2013	16	3	10	490	773
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[326]	2012	CP 2012	16	18	12	489	785
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the *cumulative* constraint in the context of non-overlapping rectangles	Yes	[72]	2011	Ann. Oper. Res.	24	8	8	1192	1519
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[73]	2008	CPAIOR 2008	15	8	9	349	826
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[71]	2002	CP 2002	17	33	9	348	893

D.24 Works by Thibaut Feydy

Table 47: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[553]	2017	CP 2017	10	6	21	610	716
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[457]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	**??**
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[452]	2013	CP 2013	17	10	20	554	776
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[451]	2013	CPAIOR 2013	17	20	27	555	777
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[456]	2013	J. Sched.	17	43	23	1330	1509
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[455]	2011	Constraints An Int. J.	33	57	23	1329	1527
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	[454]	2010	CoRR	37	0	0	1373	1537
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[453]	2009	CP 2009	16	34	11	556	821

D.25 Works by Claude Le Pape

Table 48: 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	[39]	2006	Handbook of Constraint Programming	39	30	25	No	??
BaptistePN01 BaptistePN01	P. Baptiste, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling	No	[42]	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	[41]	2000	Constraints An Int. J.	21	46	0	1179	1577
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[404]	1998	J. Heuristics	16	42	0	1309	1591
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[415]	1998	Constraints An Int. J.	25	14	0	1313	1592
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[40]	1997	CP 1997	15	8	10	335	914
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[414]	1997	PACT 1997	20	0	0	No	918
Pape94 Pape94	Claude Le Pape	Implementation of resource constraints in ILOG SCHEDULE: a library for the development of constraint-based scheduling systems	No	[413]	1994	Intelligent Systems Engineering	1	98	0	No	1601

D.26 Works by Mark Wallace

Table 49: 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	[537]	2020	Constraints An Int. J.	19	5	18	1356	1445
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	[237]	2018	CP 2018	18	6	26	440	694
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	[498]	2014	J. Heuristics	34	19	18	1344	1504
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[453]	2009	CP 2009	16	34	11	556	821
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[447]	2000	Constraints An Int. J.	30	73	0	1326	1582
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[439]	1998	CP 1998	15	19	10	550	912
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[536]	1996	Constraints An Int. J.	30	87	55	1355	1598
Wallace94 Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[535]	1994	Constraint Programming 1994	19	0	0	No	930

D.27 Works by Diarmuid Grimes

Table 50: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
AntunesABDEGGOL20 AntunesABDEGGOL20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[15]	2020	Int. J. Artif. Intell. Tools	31	0	16	1170	1432
AntunesABDEGGOL18 AntunesABDEGGOL18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[14]	2018	ICTAI 2018	8	1	24	320	688
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	Yes	[219]	2015	INFORMS J. Comput.	17	12	41	1236	1491
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[221]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1237	1500
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[218]	2011	CP 2011	17	5	18	432	797
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[217]	2010	CPAIOR 2010	15	13	20	431	809
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[220]	2009	CP 2009	9	15	12	433	817

D.28 Works by Zdenek Hanzálek

Table 51: 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	[367]	2023	APMS 2023	14	0	0	513	627
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	[249]	2023	CoRR	42	0	0	1380	1400
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	[248]	2022	Comput. Ind. Eng.	16	5	25	1248	1410
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[534]	2021	Comput. Ind. Eng.	14	7	22	1354	1428
BenediktMH20 BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	Yes	[78]	2020	Constraints An Int. J.	19	1	18	1195	1435
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[79]	2018	CPAIOR 2018	10	2	12	352	691
KelbelH11 KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[287]	2011	J. Intell. Manuf.	10	12	14	1263	1523

D.29 Works by András Kovács

Table 52: 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	[301]	2011	Constraints An Int. J.	24	4	26	1269	1524
KovacsK11 KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[303]	2011	Constraints An Int. J.	24	3	24	1270	1525
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[300]	2008	Eng. Appl. Artif. Intell.	7	5	14	1268	1547
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[299]	2007	CPAIOR 2007	15	2	12	475	840
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[305]	2006	CPAIOR 2006	13	2	7	479	850
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[302]	2005	CP 2005	1	2	3	476	865
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[304]	2004	CP 2004	15	3	12	478	876

D.30 Works by Barry O'Sullivan

Table 53: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
ArmstrongGOS22 ArmstrongGOS22	E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	Yes	[21]	2022	CPAIOR 2022	13	0	14	325	635
ArmstrongGOS21 ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[20]	2021	CP 2021	18	1	0	324	652
AntunesABDEGGOL20 AntunesABDEGGOL20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[15]	2020	Int. J. Artif. Intell. Tools	31	0	16	1170	1432
AntunesABDEGGOL18 AntunesABDEGGOL18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[14]	2018	ICTAI 2018	8	1	24	320	688
HurleyOS16 HurleyOS16	B. Hurley, B. O'Sullivan, H. Simonis	ICON Loop Energy Show Case	Yes	[269]	2016	Data Mining and Constraint Programming - Foundations of a Cross-Disciplinary Approach	14	0	16	2582	??
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[221]	2014	Sustain. Comput. Informatics Syst.	16	6	7	1237	1500
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[270]	2012	CP 2012	16	6	20	458	784

D.31 Works by Gabriela P. Henning

Table 54: 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	[398]	2016	Comput. Chem. Eng.	17	18	31	1304	1485
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[402]	2014	Expert Syst. Appl.	14	35	26	1308	1502
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	[401]	2012	Comput. Chem. Eng.	17	17	15	1307	1514
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[400]	2010	Comput. Chem. Eng.	20	48	19	1306	1535
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	[562]	2010	Eng. Appl. Artif. Intell.	20	33	28	1367	1536
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[436]	2005	ICRA 2005	6	2	7	547	867
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[561]	2005	Inteligencia Artif.	10	0	0	1366	1562

D.32 Works by Mark G. Wallace

Table 55: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[457]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	??
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[456]	2013	J. Sched.	17	43	23	1330	1509
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[227]	2012	CP 2012	15	5	20	438	782
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[450]	2012	CPAIOR 2012	17	18	21	553	787
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[455]	2011	Constraints An Int. J.	33	57	23	1329	1527
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	[454]	2010	CoRR	37	0	0	1373	1537

D.33 Works by Stefan Heinz

Table 56: 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	[244]	2013	CPAIOR 2013	16	9	15	445	771
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[247]	2013	Constraints An Int. J.	36	7	31	1249	1507
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[243]	2012	CPAIOR 2012	17	8	21	444	783
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[245]	2012	Constraints An Int. J.	12	10	9	1250	1510
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[246]	2011	SEA 2011	10	5	12	446	798
BertholdHLMS10 BertholdHLMS10	T. Berthold, S. Heinz, Marco E. Lübbecke, Rolf H. Möhring, J. Schulz	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling	Yes	[83]	2010	CPAIOR 2010	5	28	10	354	806

D.34 Works by Roger Kameugne

Table 57: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
KameugneFND23 KameugneFND23	R. Kameugne, Sévérine Betmbe Fetgo, T. Noulamo, Clémentin Tayou Djamégni	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	Yes	[282]	2023	CP 2023	17	0	0	465	625
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Sévérine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[281]	2018	CPAIOR 2018	17	1	12	464	696
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[280]	2015	Constraints An Int. J.	2	0	0	1261	1492
Kameugne14 Kameugne14	R. Kameugne	Techniques de Propagation de la Contrainte de Ressource en Ordonnancement Cumulatif	Yes	[?]	2014	University of Yaounde I, Cameroon	139	0	0	2560	??
KameugneFSN14 KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[284]	2014	Constraints An Int. J.	27	6	10	1262	1501
KameugneFSN11 KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[283]	2011	CP 2011	15	7	9	466	800

D.35 Works by Wim Nuijten

Table 58: 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	[39]	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	[208]	2005	ICAPS 2005	9	0	0	426	862

Table 58: Works from bibtex (Total 6)

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	[42]	2001	Book	null	296	0	No	??
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[180]	2000	AIPS 2000	10	0	0	405	905
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[477]	2000	INFORMS J. Comput.	12	7	14	1337	1585
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[404]	1998	J. Heuristics	16	42	0	1309	1591

D.36 Works by Emmanuel Poder

Table 59: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the *cumulative* constraint in the context of non-overlapping rectangles	Yes	[72]	2011	Ann. Oper. Res.	24	8	8	1192	1519
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[421]	2009	CoRR	12	0	0	1372	1545
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[73]	2008	CPAIOR 2008	15	8	9	349	826
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[422]	2008	ICAPS 2008	8	0	0	540	832
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources *cumulative* Constraint with Positive-Negative Resource Consumption-Production	Yes	[74]	2007	CPAIOR 2007	15	4	7	350	835
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	[423]	2004	Eur. J. Oper. Res.	16	7	8	1314	1563

D.37 Works by Louis-Martin Rousseau

Table 60: 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	[118]	2018	CP 2018	17	6	31	374	692
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	[163]	2016	INFORMS J. Comput.	17	56	28	1221	1481
PesantRR15 PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	Yes	[420]	2015	CPAIOR 2015	16	1	7	539	747

Table 60: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
DoulabiRP14 DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[162]	2014	CPAIOR 2014	9	3	10	398	760
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[128]	2011	CPAIOR 2011	6	5	12	379	794
HachemiGR11 HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[229]	2011	Ann. Oper. Res.	16	32	19	1240	1521

D.38 Works by Cyrille Dejemeppe

Table 61: 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	[126]	2020	Journal of Scheduling	19	2	21	1214	1436
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[124]	2016	CP 2016	16	1	12	377	720
Dejemeppe16 Dejemeppe16	C. Dejemeppe	Constraint programming algorithms and models for scheduling applications	Yes	[150]	2016	Catholic University of Louvain, Louvain-la-Neuve, Belgium	274	0	0	2551	??
DejemeppeCS15 DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[151]	2015	CP 2015	16	5	11	391	737
DejemeppeD14 DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[152]	2014	CPAIOR 2014	9	0	7	392	757

D.39 Works by Yves Deville

Table 62: 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	[152]	2014	CPAIOR 2014	9	0	7	392	757
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[267]	2014	CP 2014	16	5	7	457	763
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	[448]	2011	Constraints An Int. J.	23	14	5	1327	1526
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[376]	2009	ICAPS 2009	8	0	0	518	820
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[375]	2007	CPAIOR 2007	14	0	12	517	843

D.40 Works by Juan M. Novas

Table 63: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[399]	2019	Comput. Ind. Eng.	13	30	29	1305	1451
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	[398]	2016	Comput. Chem. Eng.	17	18	31	1304	1485
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[402]	2014	Expert Syst. Appl.	14	35	26	1308	1502
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	[401]	2012	Comput. Chem. Eng.	17	17	15	1307	1514
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[400]	2010	Comput. Chem. Eng.	20	48	19	1306	1535

D.41 Works by Kenneth N. Brown

Table 64: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
AntunesABDEGGOL20 AntunesABDEGGOL20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[15]	2020	Int. J. Artif. Intell. Tools	31	0	16	1170	1432
AntunesABDEGGOL18 AntunesABDEGGOL18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[14]	2018	ICTAI 2018	8	1	24	320	688
MurphyMB15 MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System	Yes	[384]	2015	CP 2015	17	1	20	523	746
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	Yes	[550]	2009	Comput. Oper. Res.	9	42	5	1359	1544
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[549]	2005	CP 2005	1	0	0	608	871

D.42 Works by Margaux Nattaf

Table 65: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[392]	2020	CP 2020	16	0	6	526	669
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[361]	2019	CPAIOR 2019	17	1	7	511	683
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[391]	2017	Constraints An Int. J.	18	5	10	1302	1476
Nattaf16 Nattaf16	M. Nattaf	Ordonnancement sous contraintes d'énergie	Yes	[389]	2016	UPS Toulouse - Université Toulouse 3 Paul Sabatier	199	0	0	2569	??
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[390]	2015	Constraints An Int. J.	21	14	13	1301	1494

D.43 Works by Mohamed Siala

Table 66: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
AntunesABDEGGOL20 AntunesABDEGGOL20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[15]	2020	Int. J. Artif. Intell. Tools	31	0	16	1170	1432
AntunesABDEGGOL18 AntunesABDEGGOL18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[14]	2018	ICTAI 2018	8	1	24	320	688
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[466]	2015	Constraints An Int. J.	2	4	0	1333	1495
Siala15a Siala15a	M. Siala	Search, propagation, and learning in sequencing and scheduling problems. (Recherche, propagation et apprentissage dans les problèmes de séquencement et d'ordonnancement)	Yes	[467]	2015	INSA Toulouse, France	199	0	0	2571	??
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[468]	2015	CP 2015	10	4	17	562	749

D.44 Works by Marek Vlk

Table 67: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
abs-2305-19888 abs-2305-19888	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek	Constraint Programming and Constructive Heuristics for Parallel Machine Scheduling with Sequence-Dependent Setups and Common Servers	Yes	[249]	2023	CoRR	42	0	0	1380	1400
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	[248]	2022	Comput. Ind. Eng.	16	5	25	1248	1410
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[534]	2021	Comput. Ind. Eng.	14	7	22	1354	1428
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[79]	2018	CPAIOR 2018	10	2	12	352	691
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[51]	2015	ICAART 2015	12	0	0	339	734

D.45 Works by Nic Wilson

Table 68: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
AntunesABDEGGOL20 AntunesABDEGGOL20	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[15]	2020	Int. J. Artif. Intell. Tools	31	0	16	1170	1432
AntunesABDEGGOL18 AntunesABDEGGOL18	M. Antunes, V. Armant, Kenneth N. Brown, Daniel A. Desmond, G. Escamocher, A. George, D. Grimes, M. O'Keeffe, Y. Lin, B. O'Sullivan, C. Ozturk, L. Quesada, M. Siala, H. Simonis, N. Wilson	Assigning and Scheduling Service Visits in a Mixed Urban/Rural Setting	Yes	[14]	2018	ICTAI 2018	8	1	24	320	688
BeckW07 BeckW07	J. Christopher Beck, N. Wilson	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations	Yes	[65]	2007	J. Artif. Intell. Res.	50	27	0	1188	1552
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[64]	2005	IJCAI 2005	6	0	0	346	855
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	Yes	[63]	2004	ECAI 2004	5	0	0	345	873

D.46 Works by Armin Wolf

Table 69: 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	[202]	2022	CPAIOR 2022	18	0	24	421	637

Table 69: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[459]	2010	CP 2010	15	13	14	558	812
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[460]	2005	INAP 2005	15	6	4	559	868
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[547]	2005	INAP 2005	14	6	6	606	870
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[546]	2003	CP 2003	15	11	7	605	890

E Other Works

E.1 Books from bibtex

Table 70: 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	[42]	2001	Book	null	296	0	No	??
Hooker00 Hooker00	John N. Hooker	Logic Based Methods for Optimization: Combining Optimization and Constraint Satisfaction	No	[256]	2000	Book	null	185	0	No	??

E.2 PhDThesis from bibtex

Table 71: Works from bibtex (Total 27)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Astrand21 Astrand21	M. Åstrand	Short-term Underground Mine Scheduling: An Industrial Application of Constraint Programming	Yes	[27]	2021	Royal Institute of Technology, Stockholm, Sweden	142	0	0	2546	??
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	[209]	2021	IMT Atlantique Bretagne Pays de la Loire, Brest, France	168	0	0	2558	??
Groleaz21 Groleaz21	L. Groleaz	The Group Cumulative Scheduling Problem	Yes	[222]	2021	Université de Lyon	153	0	0	2559	??
Lemos21 Lemos21	Alexandre Duarte de Almeida Lemos	Solving scheduling problems under disruptions	Yes	[324]	2021	UNIVERSIDADE DE LISBOA INSTITUTO SUPERIOR TÉCNICO	188	0	0	2562	??
Zahout21 Zahout21	B. Zahout	Algorithmes exacts et approchés pour l'ordonnancement des travaux multiressources à intervalles fixes dans des systèmes distribués : approche monocritère et multiagent	Yes	[558]	2021	Université de Tours - LIFAT	185	0	0	2572	??
Lunardi20 Lunardi20	Willian Tessaro Lunardi	A Real-World Flexible Job Shop Scheduling Problem With Sequencing Flexibility: Mathematical Programming, Constraint Programming, and Metaheuristics	Yes	[354]	2020	University of Luxembourg, Luxembourg City, Luxembourg	181	0	0	2565	??
Caballero19 Caballero19	Jordi Coll Caballero	Scheduling Through Logic-Based Tools	Yes	[?]	2019	Universitat de Girona, Spain	194	0	0	2549	??
German18 German18	G. German	Constraint programming for lot-sizing problems	Yes	[204]	2018	Université Grenoble Alpes	112	0	0	2557	??
Dejemeppe16 Dejemeppe16	C. Dejemeppe	Constraint programming algorithms and models for scheduling applications	Yes	[150]	2016	Catholic University of Louvain, Louvain-la-Neuve, Belgium	274	0	0	2551	??
Fahimi16 Fahimi16	H. Fahimi	Efficient algorithms to solve scheduling problems with a variety of optimization criteria	Yes	[?]	2016	Université Laval, Quebec, Canada	120	0	0	2555	??
Froger16 Froger16	A. Froger	Maintenance scheduling in the electricity industry : a particular focus on a problem rising in the onshore wind industry	Yes	[186]	2016	Université d'Angers	181	0	0	2556	??
Nattaf16 Nattaf16	M. Nattaf	Ordonnancement sous contraintes d'énergie	Yes	[389]	2016	UPS Toulouse - Université Toulouse 3 Paul Sabatier	199	0	0	2569	??
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	[155]	2015	École des mines de Nantes, France	113	0	0	2553	??
Siala15a Siala15a	M. Siala	Search, propagation, and learning in sequencing and scheduling problems. (Recherche, propagation et apprentissage dans les problèmes de séquencement et d'ordonnancement)	Yes	[467]	2015	INSA Toulouse, France	199	0	0	2571	??
Kameugne14 Kameugne14	R. Kameugne	Techniques de Propagation de la Contrainte de Ressource en Ordonnancement Cumulatif	Yes	[?]	2014	University of Yaounde I, Cameroon	139	0	0	2560	??
Letort13 Letort13	A. Letort	Passage à l'échelle pour les contraintes d'ordonnancement multi-ressources	Yes	[325]	2013	Ecole des Mines de Nantes	132	0	0	2563	??
Clercq12 Clercq12	Alexis de Clercq	Ordonnancement cumulatif avec dépassements de capacité : Contrainte globale et décompositions	Yes	[147]	2012	Ecole des Mines de Nantes	196	0	0	2550	??

Table 71: Works from bibtex (Total 27)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
Malapert11 Malapert11	A. Malapert	Techniques d'ordonnancement d'atelier et de fournées basées sur la programmation par contraintes. (Shop and batch scheduling with constraints)	Yes	[360]	2011	École des mines de Nantes, France	194	0	0	2566	??
Menana11 Menana11	J. Menana	Automates et programmation par contraintes pour la planification de personnel. (Automata and Constraint Programming for Personnel Scheduling Problems)	Yes	[369]	2011	University of Nantes, France	148	0	0	2568	??
Schutt11 Schutt11	A. Schutt	Improving Scheduling by Learning	Yes	[?]	2011	University of Melbourne, Australia	209	0	0	2570	??
Lombardi10 Lombardi10	M. Lombardi	Hybrid Methods for Resource Allocation and Scheduling Problems in Deterministic and Stochastic Environments	Yes	[340]	2010	University of Bologna, Italy	175	0	0	2564	??
Malik08 Malik08	Abid M. Malik	Constraint Programming Techniques for Optimal Instruction Scheduling	Yes	[362]	2008	University of Waterloo, Ontario, Canada	151	0	0	2567	??
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	[153]	2003	University of Avignon, France	148	0	0	2552	??
Elkhyari03 Elkhyari03	A. Elkhyari	Outils d'aide à la décision pour des problèmes d'ordonnancement dynamiques	Yes	[166]	2003	Université de Nantes	333	0	0	2554	??
Baptiste02 Baptiste02	P. Baptiste	Résultats de complexité et programmation par contraintes pour l'ordonnancement	Yes	[36]	2002	Université de Technologie de Compiègne	237	0	0	2547	??
Layfield02 Layfield02	Colin J. Layfield	A constraint programming pre-processor for duty scheduling	Yes	[323]	2002	University of Leeds, UK	230	0	0	2561	??
Beck99 Beck99	J. Christopher Beck	Texture measurements as a basis for heuristic commitment techniques in constraint-directed scheduling	Yes	[54]	1999	University of Toronto, Canada	418	0	0	2548	??

Table 72: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Astrand21 [27]	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	2519	??
Baptiste02 [36]	237	completion-time, job, precedence, re-scheduling, distributed, resource, inventory, no preempt, setup-time, release-date, open-shop, due-date, scheduling, tardiness, preempt, flow-time, task, order, lateness, earliness, job-shop, machine, activity, make-span, sequence dependent setup, cmax, flow-shop	Open Shop Scheduling Problem, PJSSP, single machine, parallel machine, RCPSP, OSSP, JSSP	cumulative, circuit, disjunctive, alternative constraint, table constraint	Prolog, C++	OPL, Choco Solver, CHIP, Claire, ECLiPSe, Ilog Scheduler, Ilog Solver, OZ, Z3	hoist		generated instance, benchmark, real-life	not-last, not-first, edge-finding, energetic reasoning	2543	??
Beck99 [54]	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	2545	??
Caballero19 [?]	194	activity, cmax, completion-time, distributed, lazy clause generation, machine, make-span, order, precedence, preempt, release-date, resource, scheduling, setup-time, task	RCPSP, psplib	alldifferent, circuit, cumulative, cycle	C++	CHIP, CPO, Chuffed, MiniZinc, OPL, OZ, Z3			benchmark, instance generator, real-life	bi-partite matching, edge-finding, energetic reasoning, time-tabling	2525	??
Clercq12 [147]	196	make-span, order, resource, scheduling, machine, job, manpower, activity, job-shop, due-date, task	psplib	cumulative, disjunctive, alldifferent, circuit	Prolog	OZ, CHIP, ECLiPSe, Gecode, SICStus, Choco Solver	patient		benchmark	energetic reasoning, edge-finding, sweep, time-tabling, not-first, not-last	2535	??

Table 72: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Dejemeppe16 [150]	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, supercomputer, nurse, robot, physician, container terminal		generated instance, benchmark, industrial partner, random instance, real-world, instance generator, bitbucket	not-last, not-first, sweep, edge-finding	2527	??
Demassey03 [153]	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	2541	??
Derrien15 [155]	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	2531	??
Elkhyari03 [166]	333	open-shop, scheduling, tardiness, task, order, job-shop, machine, preempt, activity, make-span, flow-shop, cmax, re-scheduling, resource, job, precedence, release-date	parallel machine, Temporal Constraint Satisfaction Problem, RCPSP, CuSP, single machine	disjunctive, cycle, cumulative		OZ, CPO, Choco Solver, Claire			benchmark, Roadef	time-tabling	2542	??
Fahimi16 [?]	120	activity, batch process, completion-time, due-date, flow-shop, job, job-shop, lateness, machine, make-span, open-shop, order, precedence, preempt, resource, scheduling, sequence dependent setup, setup-time, tardiness, task, transportation	CuSP, RCPSP, parallel machine, single machine	alldifferent, alternative constraint, cumulative, cycle, disjunctive	C++, Java	CHIP, Choco Solver, Gecode, Ilog Scheduler, OZ	aircraft		Roadef, benchmark, random instance, real-world	edge-finding, energetic reasoning, max-flow, not-first, not-last, sweep, time-tabling	2528	??
Froger16 [186]	181	order, preempt, distributed, resource, completion-time, inventory, scheduling, machine, job, manpower, batch process, release-date, task, re-scheduling, transportation	CuSP, TMS, single machine	disjunctive, cycle, cumulative	Java	Choco Solver, Gurobi, OZ	satellite, energy-price, offshore	power industry, electricity industry	real-life, real-world, instance generator, industrial partner, benchmark, Roadef, generated instance	max-flow	2529	??
German18 [204]	112	resource, setup-time, stock level, job, job-shop, task, activity, cmax, earliness, order, inventory, scheduling, machine		cumulative, bin-packing, disjunctive	Prolog	OPL, Choco Solver, Cplex, OZ, Z3, SICStus	nurse		real-world, benchmark, generated instance, real-life, CSPlib		2526	??

Table 72: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Godet21a [209]	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	2520	??
Groleaz21 [222]	153	inventory, tardiness, activity, setup-time, preempt, release-date, earliness, sequence dependent setup, distributed, due-date, job-shop, transportation, flow-shop, resource, scheduling, make-span, cmax, open-shop, completion-time, task, machine, job, lateness, re-scheduling, precedence, order	Open Shop Scheduling Problem, RCPSP, single machine, parallel machine, OSP, GCSP	circuit, disjunctive, cumulative, cycle, noOverlap, span constraint	Java, Julia	CPO, Gecode, Choco Solver, OZ, Z3, OPL, OR-Tools, Cplex, Gurobi	robot, automotive, dairy	food industry	benchmark, real-life	not-first, edge-finding, not-last	2521	??
Kameugne14 [?]	139	completion-time, flow-shop, job, job-shop, machine, make-span, order, preempt, resource, scheduling, task	CuSP, RCPSP, parallel machine, psplib	circuit, cumulative, disjunctive	C++, Java, Prolog	CHIP, Choco Solver, Claire, Cplex, ECLiPSe, Gecode, Mistral, SICStus			Roadef	edge-finder, edge-finding, energetic reasoning, not-first, not-last, time-tabling	2533	??
Layfield02 [323]	230				C	OZ, Z3, OPL					2544	??
Lemos21 [324]	188	transportation, precedence, job-shop, multi-agent, machine, task, re-scheduling, job, order, distributed, resource, scheduling	RCPSP	cycle, alldifferent, cumulative	Java, C++, Python	OZ, Cplex, Gurobi, OPL	medical, railway, crew-scheduling, surgery, COVID		real-world, Roadef, github, real-life, benchmark	time-tabling	2522	??
Letort13 [325]	132	precedence, cmax, order, scheduling, machine, resource, job, job-shop, task	psplib	geost, bin-packing, disjunctive, alldifferent, cumulative	Java, Prolog	CHIP, SICStus, Claire, Choco Solver	steel mill, datacenter		Roadef, CSPlib, benchmark	not-first, energetic reasoning, edge-finding, sweep, time-tabling, not-last	2534	??

Table 72: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Lombardi10 [340]	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	2539	??
Lunardi20 [354]	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		2524	??
Malapert11 [360]	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	2536	??
Malik08 [362]	151	order, machine, task, job, completion-time, activity, distributed, precedence, resource, make-span, scheduling		alldifferent, cycle			pipeline		real-life, benchmark	edge-finding	2540	??
Menana11 [369]	148	distributed, resource, machine, task, manpower, activity, precedence, scheduling		alldifferent	Prolog	Choco Solver, Z3, OZ, CHIP, OPL, Claire	nurse		github, benchmark, Roadef	time-tabling	2537	??
Nattaf16 [389]	199	order, tardiness, inventory, scheduling, machine, resource, flow-shop, setup-time, job, job-shop, task, cmax, preempt, due-date, make-span	RCPSP, CECSP, psplib, parallel machine, single machine, CuSP	alldifferent, cumulative, disjunctive	C++	Claire, Cplex, OZ	robot	process industry	Roadef	sweep, energetic reasoning, edge-finding	2530	??
Schutt11 [?]	209	activity, cmax, completion-time, job, job-shop, lazy clause generation, machine, make-span, open-shop, order, precedence, preempt, release-date, resource, scheduling, setup-time, tardiness, task	Open Shop Scheduling Problem, RCPSP, psplib	alldifferent, bin-packing, circuit, cumulative, cycle, disjunctive, geost	C++, Prolog	CHIP, ECLiPSe, Ilog Scheduler, Ilog Solver, OZ, SICStus	rectangle-packing		benchmark, industrial instance, instance generator, real-world	edge-finder, edge-finding, energetic reasoning, not-first, not-last, sweep, time-tabling	2538	??

Table 72: Automatically Extracted THESIS Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Siala15a [467]	199	setup-time, job-shop, task, activity, precedence, open-shop, earliness, cmax, sequence dependent setup, due-date, lazy clause generation, make-span, order, tardiness, scheduling, machine, job, resource	OSP, single machine, TMS, RCPSP	table constraint, cumulative, circuit, disjunctive, alldifferent, cycle		CHIP, Ilog Solver, Mistral, OPL, Claire	automotive, rectangle-packing		benchmark, github, random instance, Roadef, real-world, CSPlib	time-tabling, edge-finding	2532	??
Zahout21 [558]	185	distributed, resource, completion-time, machine, job, job-shop, activity, flow-shop, precedence, release-date, preempt, due-date, task, re-scheduling, make-span, multi-agent, scheduling	RCPSP, SCC, TCSP, CuSP, parallel machine, single machine	cycle, cumulative, circuit, bin-packing		CPO, Cplex, OZ, Claire	datacenter, crew-scheduling, satellite		benchmark		2523	??

E.3 InBook from bibtex

Table 73: Works from bibtex (Total 1)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
SchuttFSW15 SchuttFSW15	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	A Satisfiability Solving Approach	No	[457]	2015	Handbook on Project Management and Scheduling Vol.1	26	3	28	No	??

E.4 InCollection from bibtex

Table 74: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	Nr Cites	Nr Refs	b	c
BlazewiczEP19 BlazewiczEP19	J. Blazewicz, Klaus H. Ecker, E. Pesch, G. Schmidt, M. Sterna, J. Weglarz	Constraint Programming and Disjunctive Scheduling	No	[88]	2019	Handbook on Scheduling	62	38	0	No	??
Hooker19 Hooker19	John N. Hooker	Logic-Based Benders Decomposition for Large-Scale Optimization	Yes	[263]	2019	Large Scale Optimization in Supply Chains and Smart Manufacturing	26	8	0	2581	??
HurleyOS16 HurleyOS16	B. Hurley, B. O'Sullivan, H. Simonis	ICON Loop Energy Show Case	Yes	[269]	2016	Data Mining and Constraint Programming - Foundations of a Cross-Disciplinary Approach	14	0	16	2582	??
Bartak14 Bartak14	R. Barták	Planning and Scheduling	No	[47]	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	[39]	2006	Handbook of Constraint Programming	39	30	25	No	??
KanetAG04 KanetAG04	John J. Kanet, S. Ahire, Michael F. Gorman	Constraint Programming for Scheduling	Yes	[285]	2004	Handbook of Scheduling - Algorithms, Models, and Performance Analysis	22	0	0	2583	??
BreitingerL95 BreitingerL95	S. Breitinger, Hendrik C. R. Lock	Using Constraint Logic Programming for Industrial Scheduling Problems	No	[109]	1995	Logic Programming: Formal Methods and Practical Applications, Studies in Computer Science and Artificial Intelligence	27	0	0	No	??

Table 75: Automatically Extracted INCOLLECTION Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Hooker19 [263]	26	machine, job, job-shop, task, activity, sequence dependent setup, release-date, due-date, make-span, transportation, order, tardiness, inventory, scheduling, distributed, resource	parallel machine, single machine	cycle, cumulative, circuit, disjunctive		MiniZinc, OZ, OPL	container terminal, patient, torpedo, satellite, yard crane, railway, operating room, aircraft		industrial instance	time-tabling	2575	??
HurleyOS16 [269]	14	re-scheduling, distributed, resource, scheduling, task, order, machine		cumulative			supercomputer, energy-price, datacentre		real-world, benchmark		2576	??
KanetAG04 [285]	22	make-span, precedence, order, completion-time, task, machine, tardiness, job, activity, inventory, earliness, setup-time, transportation, due-date, job-shop, resource, scheduling	single machine, parallel machine	disjunctive, alldifferent		ECLiPSe, Cplex, Ilog Solver, OPL	patient			time-tabling	2579	??