

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: 518)

1	2	3	4	5	6	7
AalianPG23 [1]	AbohashimaEG21 [2]	AbreuAPNM21 [128]	AbreuN22 [129]	AbreuNP23 [130]	AbrilSB05 [3]	Acuna-AgostMFG09 [4]
AggounB93 [5]	AkkerDH07 [463]	AkramNHRSA23 [7]	AlesioNBG14 [140]	AlfieriGPS23 [9]	AlizdehS20 [10]	AngelsmarkJ00 [11]
AntuoriHHEN20 [12]	AntuoriHHEN21 [13]	ArbaouiY18 [14]	ArmstrongGOS21 [15]	ArmstrongGOS22 [16]	AronssonBK09 [17]	ArtiguesBF04 [18]
ArtiguesHQT21 [19]	ArtiguesR00 [20]	ArtouchineB05 [21]	AstrandOF21 [23]	Astrand21 [22]	AstrandJZ18 [24]	AstrandJZ20 [25]
BadicaBI20 [26]	BadicaBIL19 [27]	BajestaniB11 [28]	BajestaniB13 [29]	BajestaniB15 [30]	BandaSC11 [131]	Baptiste09 [31]
BaptisteB18 [32]	BaptisteLPN06 [33]	BaptisteLV92 [36]	BaptisteP00 [35]	BaptisteP97 [34]	BarlattCG08 [37]	Bartak02 [39]
Bartak02a [38]	Bartak14 [40]	BartakCS10 [41]	BartakS11 [42]	BartakSR10 [43]	BartakV15 [44]	BartoliniBBLM14 [45]
BarzegaranZP20 [46]	Beck06 [48]	Beck07 [49]	Beck99 [47]	BeckDF97 [50]	BeckF00 [53]	BeckF98 [52]
BeckFW11 [51]	BeckPS03 [54]	BeckR03 [55]	BeckW04 [56]	BeckW05 [57]	BeckW07 [58]	Bedhief21 [59]
BegB13 [60]	BehrensLM19 [61]	BeldiceanuC02 [64]	BeldiceanuC94 [63]	BeldiceanuCDP11 [65]	BeldiceanuCP08 [66]	BeldiceanuP07 [67]
BelhadjiI98 [68]	BenderWS21 [69]	BenediktMH20 [70]	BenediktSMVH18 [71]	BeniniBGM06 [72]	BeniniLMR11 [73]	BensanaLV99 [74]
BertholdHLMS10 [75]	BessiereHMQW14 [76]	BidotVLB09 [77]	BillautHL12 [78]	Bit-Monnot23 [79]	BlazewiczEP19 [80]	BlomBPS14 [81]
BlomPS16 [82]	BocewiczBB09 [83]	BofillCSV17 [84]	BofillEGPSV14 [85]	BofillGSV15 [86]	BogaerdTW19 [464]	Bonfietti16 [87]
BonfiettiLBM11 [88]	BonfiettiLBM12 [89]	BonfiettiLBM14 [90]	BonfiettiLM13 [91]	BonfiettiLM14 [92]	BonfiettiM12 [93]	BonfiettiZLM16 [94]
BoothNB16 [95]	BorghesiBLMB18 [96]	BoucherBVB197 [97]	BoudreaaultSLQ22 [98]	BourreauGGLT22 [99]	BreitingerL95 [100]	BridiBLMB16 [101]
BridiLBBM16 [102]	BrusoniCLMMT96 [103]	BurtLPS15 [104]	CaballeroG23 [105]	CampeauG22 [106]	CappartS17 [107]	CarchraeBF05 [108]
Caseau97 [109]	CauwelaertDMS16 [110]	CestaOS98 [111]	ChapadosJR11 [112]	ChuGNSW13 [113]	ChuX05 [114]	CireCH13 [115]
ClercqPBJ11 [116]	CobanH10 [117]	CohenHB17 [118]	ColT19 [120]	ColT22 [121]	Colombani96 [122]	CzerniachowskaWZ23 [123]
DannaP03 [124]	Darby-DowmanLMZ97 [125]	Davenport10 [126]	DavenportKRSH07 [127]	Dejemeppe16 [132]	DejemeppeCS15 [133]	DejemeppeD14 [134]
Demasse03 [135]	DemirovicS18 [136]	Derrien15 [137]	DerrienP14 [138]	DerrienPZ14 [139]	DilkinaDH05 [141]	DincbasSH90 [142]
DoomsH08 [143]	DoulabiRP14 [144]	DoulabiRP16 [145]	EdisO11 [146]	EfthymiouY23 [147]	ElkhyariGJ02 [148]	ElkhyariGJ02a [149]
ErtlK91 [150]	EscobetPQPRA19 [151]	EvenSH15 [152]	EvenSH15a [153]	FahimiOQ18 [154]	FalaschiGMP97 [155]	FalahiAC20 [156]
FanXG21 [157]	FarsiTM22 [158]	Fatemi-AnarakiMFN22 [159]	FetgoD22 [160]	FocacciLN00 [161]	FontaineMH16 [162]	FortinZDF05 [163]
FrankK05 [164]	FriedrichFMRSS14 [165]	FrimodigS19 [166]	FrohnerTR19 [167]	FrostD98 [168]	GalleguillosKSB19 [169]	GarganiR07 [170]
GarridoAO09 [171]	GarridoOS08 [172]	GayHL15 [173]	GayHS15 [174]	GayHS15a [175]	GaySS14 [176]	GedikKEK18 [177]
GeibingerKKMMW21 [178]	GeibingerMM19 [180]	GeibingerMM21 [181]	GeitzGSSW22 [182]	GelainPRVW17 [183]	Geske05 [184]	GilesH16 [185]
GingrasQ16 [186]	GodardLN05 [187]	Godet21a [188]	GodetLHS20 [189]	GoelSHFS15 [190]	GokgurHO18 [191]	GoldwaserS17 [192]
GoldwaserS18 [193]	Goltz95 [194]	GomesHS06 [195]	GrimesH10 [196]	GrimesH11 [197]	GrimesH15 [198]	GrimesHM09 [199]
GrimesIOS14 [200]	GroleazNS20 [202]	GroleazNS20a [201]	GruianK98 [203]	GuSS13 [204]	GuSW12 [205]	GurEA19 [518]
GurPAE23 [206]	HachemiGR11 [207]	Ham18 [208]	HamPK21 [209]	HananKP21 [210]	He0GLW18 [212]	HebrardALLCMR22 [213]
HebrardHJMPV16 [214]	HebrardTW05 [215]	HechingH16 [216]	HeckmanB11 [217]	HeinzB12 [218]	HeinzKB13 [219]	HeinzNVH22 [223]
HeinzS11 [221]	HeinzSB13 [222]	HeinzSSW12 [220]	HeipckeCCS00 [225]	HentenryckM04 [226]	HentenryckM08 [227]	HermenierDL11 [228]
HillTV21 [229]	HoYCLCLC18 [230]	HoeveGSL07 [466]	Hooker04 [231]	Hooker05 [232]	Hooker05a [233]	Hooker06 [234]
Hooker17 [235]	HookerY02 [236]	HoundjiSWD14 [237]	HubnerGSV21 [238]	IfrimOS12 [239]	IsikYA23 [240]	JelinekB16 [241]
JourdanFRD94 [242]	JungblutK22 [243]	JuvinHHL23 [244]	JuvinHL23 [245]	KamarainenS02 [246]	Kameugne15 [247]	KameugneFGOQ18 [248]
KameugneFND23 [249]	KameugneFSN11 [250]	KameugneFSN14 [251]	KanetAG04 [252]	KelarevaTK13 [253]	KelbelH11 [254]	KeriK07 [255]
KhayatLR06 [256]	KhemmoudjPB06 [257]	KimCMLLP23 [258]	KlankeBYE21 [259]	KletzanderM17 [260]	KoehlerBFFHPSSS21 [261]	KorbaaYG00 [263]
KorbaaYG99 [262]	KoschB14 [264]	KovacsB07 [265]	KovacsB08 [266]	KovacsB11 [267]	KovacsEKV05 [268]	KovacsK11 [269]
KovacsTKSG21 [272]	KovacsV04 [270]	KovacsV06 [271]	KreterSS15 [273]	KreterSS17 [274]	KreterSSZ18 [275]	KrogtLPHJ07 [465]
KuB16 [276]	KuchcinskiW03 [277]	KucukY19 [279]	Kumar03 [278]	Laborie09 [280]	Laborie18a [281]	LaborieRSV18 [282]
LacknerMMWW21 [283]	LacknerMMWW23 [284]	LahimerLH11 [285]	LammaMM97 [286]	LauLN08 [287]	Layfield02 [288]	LetortBC12 [289]
LetortCB13 [290]	LetortCB15 [291]	LiFJZLL22 [292]	LiessM08 [293]	LimBTBB15 [296]	LimHTB16 [295]	LimRX04 [294]
Limtanyakul07 [297]	LimtanyakulS12 [298]	LipovetzkyBPS14 [299]	LiuCGM17 [301]	LiuJ06 [302]	LiuLH19 [300]	LombardiBM15 [303]
LombardiBMB11 [304]	LombardiM09 [305]	LombardiM10 [307]	LombardiM10a [306]	LombardiM12 [309]	LombardiM12a [308]	LombardiM13 [310]
LopesCSM10 [311]	LopezAKYG00 [312]	LorigeonBB02 [313]	LouieVNB14 [314]	Lunardi20 [316]	LunardiBLRV20 [315]	LuoB22 [318]
LuoVLBM16 [317]	Madi-WambaB16 [319]	Madi-WambaLOBM17 [320]	MakMS10 [321]	MakapertN19 [322]	Malik08 [323]	MalikMB08 [324]
MaraveliasG04 [325]	MartinPY01 [326]	Mason01 [327]	Mehdizadeh-Somarin23 [328]	MejiaY20 [329]	MelgarejoLS15 [6]	Menana11 [330]
MengZRZL20 [331]	Mercier-AubinGQ20 [332]	MoffittPP05 [333]	MokhtarzadehTNF20 [334]	MonetteDD07 [335]	MonetteDH09 [336]	MontemanniD23 [338]
MontemanniD23a [337]	MossigeGSMC17 [339]	MouraSCL08 [341]	MouraSCL08a [340]	MullerMKP22 [342]	MurinR19 [343]	MurphyMB15 [344]
Muscettola02 [345]	MusliuSS18 [346]	NaderiRR23 [347]	NattafAL15 [348]	NattafAL17 [349]	NattafM20 [350]	NishikawaSTT18 [352]
NishikawaSTT18a [353]	NishikawaSTT19 [354]	NovaraNH16 [355]	Novas19 [356]	NovasH10 [357]	NovasH12 [358]	NovasH14 [359]
NuijtenA94 [360]	NuijtenP98 [361]	OddiPCC03 [362]	OuelletQ13 [363]	OuelletQ18 [364]	OuelletQ22 [365]	OujanaAYB22 [366]
OzturkTHO13 [367]	PandeyS21a [368]	PapaB98 [370]	PapeB97 [369]	ParkUJR19 [371]	PembertonG98 [372]	PerezGSL23 [373]
PesantRR15 [375]	PoderB08 [377]	PoderBS04 [378]	PohlAK22 [379]	Polo-MejiaALB20 [380]	PopovicCGNC22 [381]	PourDERB18 [382]
PovedaAA23 [383]	Pralet17 [384]	PraletLJ15 [385]	PrataAN23 [386]	Puget95 [387]	QinDCS20 [389]	QinWLS21 [388]
QuSN06 [390]	QuirogaZH05 [391]	RendlPHPR12 [392]	RiahiNS018 [393]	RodosekW98 [394]	Rodriguez07 [396]	RodriguezDG02 [395]

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1	2	3	4	5	6	7
RossiTHP07 [397]	RuggieroBBMA09 [398]	SacramentoSP20 [399]	Sadykov04 [400]	SadykovW06 [401]	SakkoutW00 [402]	SchausHMCMD11 [403]
SchildW00 [404]	SchuttCSW12 [405]	SchuttFS13 [407]	SchuttFS13a [406]	SchuttFSW09 [408]	SchuttFSW11 [410]	SchuttFSW13 [411]
SchuttS16 [412]	SchuttW10 [413]	SchuttWS05 [414]	SerraNM12 [415]	ShaikhK23 [416]	ShiYXQ22 [417]	ShinBBHO18 [418]
Siala15 [419]	SialaAH15 [420]	SimoninAHL12 [421]	SimoninAHL15 [422]	Simonis07 [424]	Simonis95 [423]	SimonisC95 [425]
SourdN00 [426]	SquillaciPR23 [427]	SubulanC22 [428]	SunLYL10 [430]	SureshMOK06 [431]	SvancaraB22 [432]	SzerediS16 [433]
TangB20 [434]	TangLWSK18 [435]	TardivoDFMP23 [436]	TasselGS23 [437]	Tay92 [439]	Teppan22 [440]	TerekhovDOB12 [441]
TerekhovTDB14 [442]	Tesch16 [443]	Tesch18 [444]	ThiruvadyBME09 [445]	ThiruvadyWGS14 [446]	Timpe02 [447]	Tom19 [448]
TopalogluO11 [449]	TouatBT22 [450]	Touraivane95 [451]	TranAB16 [452]	TranB12 [453]	TranDRFWOVB16 [454]	TranPZLDB18 [455]
TranTDB13 [456]	TranVNB17 [457]	TranVNB17a [458]	TranWDRFOVB16 [459]	TrojetHL11 [460]	Tsang03 [461]	ValleMGTO3 [462]
VanczaM01 [467]	VerfaillieL01 [468]	Vilim02 [469]	Vilim03 [470]	Vilim04 [471]	Vilim05 [472]	Vilim09 [473]
Vilim09a [474]	Vilim11 [475]	VilimBC04 [476]	VilimBC05 [477]	VilimLS15 [478]	VillaverdeP04 [479]	VlkHT21 [480]
Wallace94 [481]	Wallace96 [482]	WallaceY20 [483]	WangB20 [484]	WangB23 [485]	WangMD15 [486]	WatsonB08 [487]
WessenCS20 [488]	WikarekS19 [489]	WinterMMW22 [490]	Wolf03 [491]	WolfS05 [492]	WolinskiKG04 [493]	WuBB05 [494]
WuBB09 [495]	YangSS19 [496]	YounespourAKE19 [497]	YoungFS17 [498]	YunusogluY22 [499]	YuraszeckMC23 [500]	YuraszeckMCCR23 [502]
YuraszeckMPV22 [501]	ZarandiKS16 [503]	ZeballosH05 [504]	ZeballosQH10 [505]	ZhangBB22 [507]	ZhangJZL22 [506]	ZhangLS12 [510]
ZhangW18 [509]	ZhangYW21 [508]	Zhou96 [511]	Zhou97 [512]	ZhouGL15 [513]	ZhuS02 [514]	ZibranR11 [515]
ZibranR11a [516]	ZouZ20 [517]	abs-0907-0939 [376]	abs-1009-0347 [409]	abs-1901-07914 [62]	abs-1902-01193 [8]	abs-1902-09244 [211]
abs-1911-04766 [179]	abs-2102-08778 [119]	abs-2211-14492 [429]	abs-2305-19888 [224]	abs-2306-05747 [438]	abs-2312-13682 [374]	abs-2402-00459 [351]

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 306)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	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	307	591
Bit-Monnot23 Bit-Monnot23	A. Bit-Monnot	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	Yes	[79]	2023	ECAI 2023	8	344	592
EfthymiouY23 EfthymiouY23	N. Efthymiou, N. Yorke-Smith	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	Yes	[147]	2023	CPAIOR 2023	16	385	593
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[244]	2023	CP 2023	16	446	594
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[245]	2023	CPAIOR 2023	16	447	595
KameugneFND23 KameugneFND23	R. Kameugne, Séverine Betmbe Fetgo, T. Noulamo, Clémentin Tayou Djamégni	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	Yes	[249]	2023	CP 2023	17	450	596
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	[258]	2023	CPAIOR 2023	16	455	597
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	[328]	2023	APMS 2023	14	495	598
PerezGSL23 PerezGSL23	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	Yes	[373]	2023	ICTAI 2023	7	519	599
PovedaAA23 PovedaAA23	G. Poveda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	Yes	[383]	2023	CP 2023	21	523	600
SquillaciPR23 SquillaciPR23	S. Squillaci, C. Pralet, S. Roussel	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Yes	[427]	2023	CPAIOR 2023	17	546	601
TardivoDFMP23 TardivoDFMP23	F. Tardivo, A. Dovier, A. Formisano, L. Michel, E. Pontelli	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	Yes	[436]	2023	CPAIOR 2023	18	551	602
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	[437]	2023	ICAPS 2023	9	552	603
WangB23 WangB23	R. Wang, N. Barnier	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	Yes	[485]	2023	ICTAI 2023	8	573	604
YuraszeckMC23 YuraszeckMC23	F. Yuraszeck, G. Mejía, D. Canut-de-Bon	A competitive constraint programming approach for the group shop scheduling problem	Yes	[500]	2023	ANT 2023	6	583	605
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	[16]	2022	CPAIOR 2022	13	317	606
BoudreaultSLQ22 BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling	Yes	[98]	2022	CP 2022	16	356	607
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	[182]	2022	CPAIOR 2022	18	406	608
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	[213]	2022	IJCAI 2022	7	426	609
JungblutK22 JungblutK22	P. Jungblut, D. Kranzlmüller	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	Yes	[243]	2022	IPDPS 2022	4	445	610
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	[292]	2022	ICNSC 2022	6	475	611
LuoB22 LuoB22	Yiqing L. Luo, J. Christopher Beck	Packing by Scheduling: Using Constraint Programming to Solve a Complex 2D Cutting Stock Problem	Yes	[318]	2022	CPAIOR 2022	17	489	612
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[365]	2022	CPAIOR 2022	17	515	613

Table 2: Works from bibtex (Total 306)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
OujanaAYB22 OujanaAYB22	S. Oujana, L. Amodeo, F. Yalaoui, D. Brodard	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	Yes	[366]	2022	CoDIT 2022	6	516	614
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	[381]	2022	CP 2022	15	522	615
SvancaraB22 SvancaraB22	J. Svancara, R. Barták	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling	Yes	[432]	2022	ICAART 2022	8	548	616
Teppan22 Teppan22	Erich Christian Teppan	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	Yes	[440]	2022	ICAART 2022	8	553	617
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	[450]	2022	ICAART 2022	8	558	618
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[490]	2022	CP 2022	18	576	619
ZhangBB22 ZhangBB22	J. Zhang, Giovanni Lo Bianco, J. Christopher Beck	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware	Yes	[507]	2022	ICAPS 2022	9	??	620
ZhangJZL22 ZhangJZL22	H. Zhang, Y. Ji, Z. Zhao, S. Liu	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	Yes	[506]	2022	ICNSC 2022	6	584	621
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	[13]	2021	CP 2021	16	314	622
ArmstrongGOS21 ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O’Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[15]	2021	CP 2021	18	316	623
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	No	[19]	2021	ICORES 2021	8	No	624
Astrand0F21 Astrand0F21	M. Åstrand, M. Johansson, Hamid Reza Feyzmahdavian	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	Yes	[23]	2021	CPAIOR 2021	18	321	625
BenderWS21 BenderWS21	T. Bender, D. Wittwer, T. Schmidt	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	Yes	[69]	2021	ICCL 2021	16	338	626
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[178]	2021	CPAIOR 2021	10	403	627
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[181]	2021	AAAI 2021	9	405	628
HanenKP21 HanenKP21	C. Hanen, Alix Munier Kordon, T. Pedersen	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Yes	[210]	2021	CPAIOR 2021	17	424	629
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	[229]	2021	CPAIOR 2021	19	435	630
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	[259]	2021	CPAIOR 2021	16	456	631
KovacsTKSG21 KovacsTKSG21	B. Kovács, P. Tassel, W. Kohlenbrein, P. Schrott-Kostwein, M. Gebser	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Yes	[272]	2021	CP 2021	17	461	632
LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[283]	2021	CP 2021	18	470	633
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	[12]	2020	CP 2020	16	313	634
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	[46]	2020	Fog-IoT 2020	9	332	635
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	[189]	2020	AAAI 2020	8	412	636

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
GroleazNS20 GroleazNS20	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	Solving the Group Cumulative Scheduling Problem with CPO and ACO	Yes	[202]	2020	CP 2020	17	419	637
GroleazNS20a GroleazNS20a	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	Yes	[201]	2020	GECCO 2020	9	420	638
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[332]	2020	CPAIOR 2020	13	497	639
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[350]	2020	CP 2020	16	508	640
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[434]	2020	CPAIOR 2020	16	550	641
WangB20 WangB20	R. Wang, N. Barnier	Global Propagation of Transition Cost for Fixed Job Scheduling	Yes	[484]	2020	ECAI 2020	8	572	642
WessenCS20 WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Yes	[488]	2020	CPAIOR 2020	10	575	643
BadicaBIL19 BadicaBIL19	A. Badica, C. Badica, M. Ivanovic, D. Logofatu	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	Yes	[27]	2019	IDC 2019	11	323	644
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	[61]	2019	ICRA 2019	7	334	645
BogaerdtW19 BogaerdtW19	Pim van den Bogaerdt, Mathijs de Weerd	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	Yes	[464]	2019	CPAIOR 2019	16	348	646
ColT19 ColT19	Giacomo Da Col, Erich Christian Teppan	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	Yes	[120]	2019	CP 2019	17	371	647
FrimodigS19 FrimodigS19	S. Frimodig, C. Schulte	Models for Radiation Therapy Patient Scheduling	Yes	[166]	2019	CP 2019	17	394	648
FrohnerTR19 FrohnerTR19	N. Frohner, S. Teuschl, Günther R. Raidl	Casual Employee Scheduling with Constraint Programming and Metaheuristics	Yes	[167]	2019	EUROCAST 2019	9	395	649
GalleguillosKSB19 GalleguillosKSB19	C. Galleguillos, Z. Kiziltan, A. Sirbu, Özalp Babaoglu	Constraint Programming-Based Job Dispatching for Modern HPC Applications	Yes	[169]	2019	CP 2019	18	397	650
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[180]	2019	CPAIOR 2019	16	404	651
KucukY19 KucukY19	M. Küçük, Seyda Topaloglu Yildiz	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem	Yes	[279]	2019	RAST 2019	5	466	652
LiuLH19 LiuLH19	K. Liu, S. Löffler, P. Hofstedt	Solving the Talent Scheduling Problem by Parallel Constraint Programming	Yes	[300]	2019	AIAI 2019	9	483	653
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[322]	2019	CPAIOR 2019	17	493	654
MurinR19 MurinR19	S. Murín, H. Rudová	Scheduling of Mobile Robots Using Constraint Programming	Yes	[343]	2019	CP 2019	16	504	655
ParkUJR19 ParkUJR19	H. Park, J. Um, J. Jung, M. Ruskowski	Developing a Production Scheduling System for Modular Factory Using Constraint Programming	Yes	[371]	2019	RAAD 2019	8	517	656
Tom19 Tom19	M. Tom	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling	Yes	[448]	2019	FUZZ-IEEE 2019	6	557	657
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[496]	2019	CPAIOR 2019	10	581	658
ArbaouiY18 ArbaouiY18	T. Arbaoui, F. Yalaoui	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming	Yes	[14]	2018	ACIIDS 2018	10	315	659
AstrandJZ18 AstrandJZ18	M. Åstrand, M. Johansson, A. Zanarini	Fleet Scheduling in Underground Mines Using Constraint Programming	Yes	[24]	2018	CPAIOR 2018	9	322	660
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[71]	2018	CPAIOR 2018	10	339	661
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[136]	2018	CPAIOR 2018	18	378	662

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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	[212]	2018	CP 2018	18	425	663
HoYCLLC18 HoYCLLC18	T. Ho, J. Yao, Y. Chang, F. Lai, J. Lai, S. Chu, W. Liao, H. Chiu	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints	Yes	[230]	2018	AICCC 2018	6	436	664
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Séverine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[248]	2018	CPAIOR 2018	17	449	665
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[281]	2018	CPAIOR 2018	9	469	666
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[346]	2018	CPAIOR 2018	17	507	667
NishikawaSTT18 NishikawaSTT18	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Fork-Join Tasks with Constraint Programming	Yes	[352]	2018	CANDAR 2018	6	509	668
NishikawaSTT18a NishikawaSTT18a	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Tasks Based on Constraint Programming	Yes	[353]	2018	TENCON 2018	6	510	669
OuelletQ18 OuelletQ18	Y. Ouellet, C. Quimper	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning	Yes	[364]	2018	CPAIOR 2018	18	514	670
RiahiNS018 RiahiNS018	V. Riahi, M. A. Hakim Newton, K. Su, A. Sattar	Local Search for Flowshops with Setup Times and Blocking Constraints	Yes	[393]	2018	ICAPS 2018	9	530	671
Tesch18 Tesch18	A. Tesch	Improving Energetic Propagations for Cumulative Scheduling	Yes	[444]	2018	CP 2018	17	555	672
BofillCSV17 BofillCSV17	M. Bofill, J. Coll, J. Suy, M. Villaret	An Efficient SMT Approach to Solve MRCPPSP/max Instances with Tight Constraints on Resources	Yes	[84]	2017	CP 2017	9	345	673
CappartS17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[107]	2017	CPAIOR 2017	16	360	674
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	[118]	2017	SAT 2017	17	??	675
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	[183]	2017	CPAIOR 2017	16	407	676
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[192]	2017	CP 2017	16	413	677
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[235]	2017	CP 2017	14	440	678
KletzanderM17 KletzanderM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[260]	2017	CPAIOR 2017	15	457	679
LiuCGM17 LiuCGM17	T. Liu, Roberto Di Cosmo, M. Gabbrielli, J. Mauro	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Yes	[301]	2017	CP 2017	17	481	680
Madi-WambaLOBM17 Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Green Energy Aware Scheduling Problem in Virtualized Datacenters	Yes	[320]	2017	ICPADS 2017	8	491	681
MossigeGSMC17 MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[339]	2017	CP 2017	18	501	682
Pralet17 Pralet17	C. Pralet	An Incomplete Constraint-Based System for Scheduling with Renewable Resources	Yes	[384]	2017	CP 2017	19	524	683
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	[458]	2017	IJCAI 2017	5	??	684
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[498]	2017	CP 2017	10	582	685
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[94]	2016	CP 2016	17	354	686
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	[95]	2016	CP 2016	17	355	687
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized Dispatching and Scheduling	Yes	[102]	2016	ECAI 2016	2	357	688

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CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[110]	2016	CP 2016	16	363	689
FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[162]	2016	CPAIOR 2016	11	391	690
GilesH16	GilesH16	K. Giles, Willem-Jan van Hoeve	Yes	[185]	2016	CP 2016	16	409	691
GingrasQ16	GingrasQ16	V. Gingras, C. Quimper	Yes	[186]	2016	IJCAI 2016	7	410	692
HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[216]	2016	CPAIOR 2016	11	428	693
JelinekB16	JelinekB16	J. Jelínek, R. Barták	Yes	[241]	2016	PADL 2016	10	444	694
LimHTB16	LimHTB16	B. Lim, Hassan L. Hijazi, S. Thiébaux, Menkes van den Briel	Yes	[295]	2016	CP 2016	18	477	695
LuoVLBM16	R. Luo, Richard Anthony Valenzano, Y. Li, J. Christopher Beck, Sheila A. McIlraith	Using Metric Temporal Logic to Specify Scheduling Problems	Yes	[317]	2016	KR 2016	4	??	696
Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[319]	2016	CPAIOR 2016	16	490	697
SchuttS16	SchuttS16	A. Schutt, Peter J. Stuckey	Yes	[412]	2016	CP 2016	17	538	698
SzerediS16	SzerediS16	R. Szeredi, A. Schutt	Yes	[433]	2016	CP 2016	10	549	699
Tesch16	Tesch16	A. Tesch	Yes	[443]	2016	CP 2016	27	554	700
TranDRFWOVB16	Tony T. Tran, M. Do, Eleanor Gilbert Rieffel, J. Frank, Z. Wang, B. O’Gorman, D. Venturelli, J. Christopher Beck	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $O(n^2 \log n)$ A Hybrid Quantum-Classical Approach to Solving Scheduling Problems	Yes	[454]	2016	SOCS 2016	9	??	701
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	[459]	2016	AAAI 2016	9	??	702
BartakV15	BartakV15	R. Barták, M. Vlk	Yes	[44]	2015	ICAART 2015	12	330	703
BofillGSV15	M. Bofill, M. Garcia, J. Suy, M. Villaret	MaxSAT-Based Scheduling of B2B Meetings	Yes	[86]	2015	CPAIOR 2015	9	347	704
BurtLPS15	BurtLPS15	Christina N. Burt, N. Lipovetzky, Adrian R. Pearce, Peter J. Stuckey	Yes	[104]	2015	CPAIOR 2015	17	359	705
DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[133]	2015	CP 2015	16	376	706
EvenSH15	EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	Yes	[152]	2015	CP 2015	18	389	707
GayHLS15	GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Yes	[173]	2015	CP 2015	9	399	708
GayHS15	GayHS15	S. Gay, R. Hartert, P. Schaus	Yes	[174]	2015	CP 2015	9	400	709
GayHS15a	GayHS15a	S. Gay, R. Hartert, P. Schaus	Yes	[175]	2015	CPAIOR 2015	16	401	710
KreterSS15	KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Yes	[273]	2015	CP 2015	17	464	711
LimBTBB15	B. Lim, Menkes van den Briel, S. Thiébaux, R. Bent, S. Backhaus	Modeling and Solving Project Scheduling with Calendars Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings	Yes	[296]	2015	CPAIOR 2015	15	476	712
LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[303]	2015	CP 2015	16	484	713
MelgarejoLS15	P. Aguiar-Melgarejo, P. Laborie, C. Solnon	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems	Yes	[6]	2015	CPAIOR 2015	17	496	714
MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System	Yes	[344]	2015	CP 2015	17	505	715

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PesantRR15 PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	Yes	[375]	2015	CPAIOR 2015	16	520	716
PraletLJ15 PraletLJ15	C. Pralet, S. Lemai-Chenevier, J. Jaubert	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search	Yes	[385]	2015	CP 2015	16	525	717
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[420]	2015	CP 2015	10	542	718
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[478]	2015	CPAIOR 2015	17	571	719
ZhouGL15 ZhouGL15	J. Zhou, Y. Guo, G. Li	On complex hybrid flexible flowshop scheduling problems based on constraint programming	Yes	[513]	2015	FSKD 2015	5	587	720
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	[140]	2014	CP 2014	18	311	721
BartoliniBBLM14 BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[45]	2014	CP 2014	16	331	722
BessiereHMQW14 BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[76]	2014	CPAIOR 2014	16	342	723
BofillEGPSV14 BofillEGPSV14	M. Bofill, J. Espasa, M. Garcia, M. Palahí, J. Suy, M. Villaret	Scheduling B2B Meetings	Yes	[85]	2014	CP 2014	16	346	724
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[92]	2014	CPAIOR 2014	16	352	725
DejemeppeD14 DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[134]	2014	CPAIOR 2014	9	377	726
DerrienP14 DerrienP14	A. Derrien, T. Petit	A New Characterization of Relevant Intervals for Energetic Reasoning	Yes	[138]	2014	CP 2014	9	379	727
DerrienPZ14 DerrienPZ14	A. Derrien, T. Petit, S. Zampelli	A Declarative Paradigm for Robust Cumulative Scheduling	Yes	[139]	2014	CP 2014	9	380	728
DoulabiRP14 DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[144]	2014	CPAIOR 2014	9	383	729
FriedrichFMRSS14 FriedrichFMRSS14	G. Friedrich, M. Frühstück, V. Mersheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	No	[165]	2014	GOR 2014	7	No	730
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[176]	2014	CP 2014	15	402	731
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[237]	2014	CP 2014	16	442	732
KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[264]	2014	CPAIOR 2014	16	459	733
LipovetzkyBPS14 LipovetzkyBPS14	N. Lipovetzky, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	Planning for Mining Operations with Time and Resource Constraints	Yes	[299]	2014	ICAPS 2014	9	480	734
LouieVNB14 LouieVNB14	Wing-Yue Geoffrey Louie, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities	No	[314]	2014	ICRA 2014	7	No	735
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[91]	2013	ICAPS 2013	5	351	736
ChuGNSW13 ChuGNSW13	G. Chu, S. Gaspers, N. Narodytska, A. Schutt, T. Walsh	On the Complexity of Global Scheduling Constraints under Structural Restrictions	Yes	[113]	2013	IJCAI 2013	7	366	737
CireCH13 CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[115]	2013	CPAIOR 2013	7	368	738
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	[204]	2013	CPAIOR 2013	7	422	739
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[219]	2013	CPAIOR 2013	16	430	740
KelarevaTK13 KelarevaTK13	E. Kelareva, K. Tierney, P. Kilby	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	Yes	[253]	2013	CPAIOR 2013	17	452	741
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[290]	2013	CPAIOR 2013	16	474	742

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set	Yes	[310]	2013	ICAPS 2013	2	488	743
LombardiM13		Detection in Resource Constrained Project Scheduling							
OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[363]	2013	CP 2013	16	513	744
SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[407]	2013	CP 2013	17	535	745
SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[406]	2013	CPAIOR 2013	17	536	746
SchuttFS13a									
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	[456]	2013	ICAPS 2013	9	??	747
TranTDB13									
BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[78]	2012	CPAIOR 2012	15	343	748
BillautHL12									
BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[89]	2012	CPAIOR 2012	16	350	749
BonfiettiLBM12									
BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[93]	2012	DC SIAAI 2012	3	353	750
BonfiettiM12									
GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[205]	2012	CP 2012	15	423	751
GuSW12									
HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[218]	2012	CPAIOR 2012	17	429	752
HeinzB12									
IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[239]	2012	CP 2012	16	443	753
IfrimOS12									
LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[289]	2012	CP 2012	16	473	754
LetortBC12									
RendlPHPR12	A. Rendl, M. Prandtstetter, G. Hiermann, J. Puchinger, Günther R. Raidl	Hybrid Heuristics for Multimodal Homecare Scheduling	Yes	[392]	2012	CPAIOR 2012	17	529	755
RendlPHPR12									
SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[405]	2012	CPAIOR 2012	17	534	756
SchuttCSW12									
SerraNM12	T. Serra, G. Nishioka, Fernando J. M. Marcellino	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach	Yes	[415]	2012	CP 2012	17	541	757
SerraNM12									
SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[421]	2012	CP 2012	15	543	758
SimoninAHL12									
TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[453]	2012	ECAI 2012	6	??	759
TranB12									
ZhangLS12	X. Zhang, Z. Lv, X. Song	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method	Yes	[510]	2012	CIT 2012	4	585	760
ZhangLS12									
BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[28]	2011	ICAPS 2011	8	??	761
BajestaniB11									
BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[88]	2011	CP 2011	15	349	762
BonfiettiLBM11									
ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[112]	2011	CPAIOR 2011	6	365	763
ChapadosJR11									
ClercPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[116]	2011	CP 2011	16	369	764
ClercPBJ11									
EdisO11	Emrah B. Edis, C. Oguz	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach	Yes	[146]	2011	CPAIOR 2011	7	384	765
EdisO11									
GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[197]	2011	CP 2011	17	417	766
GrimesH11									
HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[221]	2011	SEA 2011	10	431	767
HeinzS11									
HermenierDL11	F. Hermenier, S. Demasse, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[228]	2011	CP 2011	15	434	768
HermenierDL11									
KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[250]	2011	CP 2011	15	451	769
KameugneFSN11									

Table 2: Works from bibtex (Total 306)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
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	[285]	2011	CPAIOR 2011	14	471	770
LombardiBMB11 LombardiBMB11 Vilim11 Vilim11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini P. Vilím	Precedence Constraint Posting for Cyclic Scheduling Problems Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes Yes	[304] [475]	2011 2011	CPAIOR 2011 CPAIOR 2011	17 16	485 569	771 772
ZibranR11 ZibranR11	Minhaz F. Zibran, Chanchal K. Roy	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach	Yes	[515]	2011	ICPC 2011	4	589	773
ZibranR11a ZibranR11a	Minhaz F. Zibran, Chanchal K. Roy	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring	Yes	[516]	2011	SCAM 2011	10	590	774
BertholdHMLS10 BertholdHMLS10 CobanH10 CobanH10	T. Berthold, S. Heinz, Marco E. Lübbecke, Rolf H. Möhring, J. Schulz E. Coban, John N. Hooker	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes Yes	[75] [117]	2010 2010	CPAIOR 2010 CPAIOR 2010	5 5	341 370	775 776
Davenport10 Davenport10	Andrew J. Davenport	Integrated Maintenance Scheduling for Semiconductor Manufacturing	Yes	[126]	2010	CPAIOR 2010	5	374	777
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[196]	2010	CPAIOR 2010	15	416	778
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[307]	2010	CP 2010	15	487	779
MakMS10 MakMS10	K. Mak, J. Ma, W. Su	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems	Yes	[321]	2010	ICNC 2010	5	492	780
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[413]	2010	CP 2010	15	539	781
SunLYL10 SunLYL10	Z. Sun, H. Li, M. Yao, N. Li	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming	Yes	[430]	2010	GreenCom 2010	6	547	782
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	[4]	2009	CPAIOR 2009	2	309	783
AronssonBK09 AronssonBK09	M. Aronsson, M. Bohlin, P. Kreuger	MILP formulations of cumulative constraints for railway scheduling - A comparative study	Yes	[17]	2009	ATMOS 2009	13	318	784
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[31]	2009	CP 2009	1	324	785
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[199]	2009	CP 2009	9	418	786
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[280]	2009	CPAIOR 2009	15	468	787
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[305]	2009	CP 2009	15	486	788
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[336]	2009	ICAPS 2009	8	500	789
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[408]	2009	CP 2009	16	537	790
ThiruvadyBME09 ThiruvadyBME09	Dhananjay R. Thiruvady, C. Blum, B. Meyer, Andreas T. Ernst	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling	Yes	[445]	2009	HM 2009	15	556	791
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n) \setminus \mathcal{O}(kn \log n)$	Yes	[473]	2009	CP 2009	15	567	792
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[474]	2009	CPAIOR 2009	15	568	793
BarlattCG08 BarlattCG08	A. Barlatt, Amy Mainville Cohn, Oleg Yu. Gusikhin	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems	Yes	[37]	2008	CPAIOR 2008	5	327	794

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BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[66]	2008	CPAIOR 2008	15	336	795
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[143]	2008	CPAIOR 2008	16	382	796
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[227]	2008	CPAIOR 2008	5	433	797
LauLN08 LauLN08	Hoong Chuin Lau, Kong Wei Lye, Viet Bang Nguyen	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)	Yes	[287]	2008	CPAIOR 2008	5	472	798
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	[341]	2008	CP 2008	16	502	799
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	[340]	2008	CSE 2008	8	503	800
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[377]	2008	ICAPS 2008	8	521	801
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[487]	2008	CPAIOR 2008	15	574	802
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	[463]	2007	CPAIOR 2007	15	310	803
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	Yes	[67]	2007	CPAIOR 2007	15	337	804
DavenportKRS07 DavenportKRS07	Andrew J. Davenport, J. Kalagnanam, C. Reddy, S. Siegel, J. Hou	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing	Yes	[127]	2007	CP 2007	13	375	805
GarganiR07 GarganiR07	A. Gargani, P. Refalo	An Efficient Model and Strategy for the Steel Mill Slab Design Problem	Yes	[170]	2007	CP 2007	13	398	806
HoeveGSL07 HoeveGSL07	Willem Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[466]	2007	AAAI 2007	6	437	807
KeriK07 KeriK07	A. Kéri, T. Kis	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method	Yes	[255]	2007	CPAIOR 2007	14	453	808
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[265]	2007	CPAIOR 2007	15	??	809
KrogtLPHJ07 KrogtLPHJ07	Roman van der Krogt, J. Little, K. Pulliam, S. Hanhilammi, Y. Jin	Scheduling for Cellular Manufacturing	Yes	[465]	2007	CP 2007	13	465	810
Limtanyakul07 Limtanyakul07	K. Limtanyakul	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming	Yes	[297]	2007	GOR 2007	6	479	811
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[335]	2007	CPAIOR 2007	14	499	812
RossiTHP07 RossiTHP07	R. Rossi, A. Tarim, B. Hnich, Steven D. Prestwich	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost	Yes	[397]	2007	CPAIOR 2007	15	532	813
Beck06 Beck06	J. Christopher Beck	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling	No	[48]	2006	ICAPS 2006	10	No	814
BeniniBGM06 BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[72]	2006	CPAIOR 2006	15	340	815
GomesHS06 GomesHS06	Carla P. Gomes, Willem Jan van Hoeve, B. Selman	Constraint Programming for Distributed Planning and Scheduling	Yes	[195]	2006	AAAI 2006	2	415	816
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	[257]	2006	CP 2006	13	454	817
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[271]	2006	CPAIOR 2006	13	463	818
LiuJ06 LiuJ06	Y. Liu, Y. Jiang	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming	Yes	[302]	2006	PRICAI 2006	5	482	819

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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	[390]	2006	SoC 2006	4	527	820
AbrilSB05 AbrilSB05	M. Abril, Miguel A. Salido, F. Barber	Distributed Constraints for Large-Scale Scheduling Problems	Yes	[3]	2005	CP 2005	1	308	821
ArtiouchineB05 ArtiouchineB05	K. Artiouchine, P. Baptiste	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs	Yes	[21]	2005	CP 2005	15	320	822
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[57]	2005	IJCAI 2005	6	??	823
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[108]	2005	CP 2005	1	361	824
ChuX05 ChuX05	Y. Chu, Q. Xia	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems	Yes	[114]	2005	CPAIOR 2005	15	367	825
DilkinaDH05 DilkinaDH05	B. Dilkina, L. Duan, William S. Havens	Extending Systematic Local Search for Job Shop Scheduling Problems	Yes	[141]	2005	CP 2005	5	381	826
FortinZDF05 FortinZDF05	J. Fortin, P. Zielinski, D. Dubois, H. Fargier	Interval Analysis in Scheduling	Yes	[163]	2005	CP 2005	15	392	827
FrankK05 FrankK05	J. Frank, E. Kürklü	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations	Yes	[164]	2005	CPAIOR 2005	18	393	828
Geske05 Geske05	U. Geske	Railway Scheduling with Declarative Constraint Programming	Yes	[184]	2005	INAP 2005	18	408	829
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[187]	2005	ICAPS 2005	9	411	830
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[215]	2005	CP 2005	1	427	831
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[233]	2005	CP 2005	14	439	832
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[268]	2005	CP 2005	1	460	833
MoffittPP05 MoffittPP05	Michael D. Moffitt, B. Peintner, Martha E. Pollack	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints	Yes	[333]	2005	AAAI 2005	6	498	834
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[391]	2005	ICRA 2005	6	528	835
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[414]	2005	INAP 2005	15	540	836
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[472]	2005	CPAIOR 2005	14	566	837
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[492]	2005	INAP 2005	14	578	838
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[494]	2005	CP 2005	1	580	839
ArtiguesBF04 ArtiguesBF04	C. Artigues, S. Belmokhtar, D. Feillet	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times	Yes	[18]	2004	CPAIOR 2004	13	319	840
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	No	[56]	2004	ECAI 2004	5	No	841
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[226]	2004	CPAIOR 2004	16	432	842
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[231]	2004	CP 2004	12	438	843
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[270]	2004	CP 2004	15	462	844
LimRX04 LimRX04	A. Lim, B. Rodrigues, Z. Xu	Solving the Crane Scheduling Problem Using Intelligent Search Schemes	Yes	[294]	2004	CP 2004	5	478	845
MaraveliasG04 MaraveliasG04	Christos T. Maravelias, Ignacio E. Grossmann	Using MILP and CP for the Scheduling of Batch Chemical Processes	Yes	[325]	2004	CPAIOR 2004	20	494	846
Sadykov04 Sadykov04	R. Sadykov	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem	Yes	[400]	2004	CPAIOR 2004	7	533	847

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Vilim04 Vilim04	P. Vilím	O(n log n) Filtering Algorithms for Unary Resource Constraint	Yes	[471]	2004	CPAIOR 2004	13	565	848
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[476]	2004	CP 2004	15	570	849
VillaverdeP04 VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	No	[479]	2004	ISCA 2004	6	No	850
WolinskiKG04 WolinskiKG04	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures	Yes	[493]	2004	DSD 2004	8	579	851
BeckPS03 BeckPS03	J. Christopher Beck, P. Prosser, E. Selensky	Vehicle Routing and Job Shop Scheduling: What's the Difference?	No	[54]	2003	ICAPS 2003	10	No	852
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	[124]	2003	CP 2003	5	373	853
Kumar03 Kumar03	T. K. Satish Kumar	Incremental Computation of Resource-Envelopes in Producer-Consumer Models	Yes	[278]	2003	CP 2003	15	467	854
OddiPCC03 OddiPCC03	A. Oddi, N. Policella, A. Cesta, G. Cortellessa	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem	Yes	[362]	2003	CP 2003	15	512	855
ValleMGT03 ValleMGT03	Carmelo Del Valle, Antonio A. Márquez, Rafael M. Gasca, M. Toro	On Selecting and Scheduling Assembly Plans Using Constraint Programming	Yes	[462]	2003	KES 2003	8	560	856
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[470]	2003	CP 2003	1	564	857
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[491]	2003	CP 2003	15	577	858
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[39]	2002	CP 2002	16	328	859
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[38]	2002	ERCIM/CologNet 2002	15	329	860
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[64]	2002	CP 2002	17	335	861
ElkhyariGJ02 ElkhyariGJ02	A. Elkhyari, C. Guéret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems	Yes	[148]	2002	CP 2002	6	386	862
ElkhyariGJ02a ElkhyariGJ02a	A. Elkhyari, C. Guéret, N. Jussien	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools	Yes	[149]	2002	PATAT 2002	24	387	863
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[236]	2002	CP 2002	5	441	864
KamarainenS02 KamarainenS02	O. Kamarainen, Hani El Sakkout	Local Probing Applied to Scheduling	Yes	[246]	2002	CP 2002	17	448	865
Muscettola02 Muscettola02	N. Muscettola	Computing the Envelope for Stepwise-Constant Resource Allocations	Yes	[345]	2002	CP 2002	16	506	866
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[469]	2002	CP 2002	1	563	867
ZhuS02 ZhuS02	Kenny Qili Zhu, Andrew E. Santosa	A Meeting Scheduling System Based on Open Constraint Programming	Yes	[514]	2002	CAiSE 2002	5	588	868
VanczaM01 VanczaM01	J. Váncza, A. Márkus	A Constraint Engine for Manufacturing Process Planning	Yes	[467]	2001	CP 2001	15	561	869
VerfaillieL01 VerfaillieL01	G. Verfaillie, M. Lemaître	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View	Yes	[468]	2001	CP 2001	15	562	870
AngelsmarkJ00 AngelsmarkJ00	O. Angelsmark, P. Jonsson	Some Observations on Durations, Scheduling and Allen's Algebra	Yes	[11]	2000	CP 2000	5	312	871
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[161]	2000	AIPS 2000	10	390	872
KorbaaYG99 KorbaaYG99	O. Korbaa, P. Yim, J. Gentina	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming	Yes	[262]	1999	ECC 1999	8	458	873
CestaOS98 CestaOS98	A. Cesta, A. Oddi, Stephen F. Smith	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints	Yes	[111]	1998	CP 1998	1	364	874
FrostD98 FrostD98	D. Frost, R. Dechter	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units	Yes	[168]	1998	CP 1998	1	396	875

Table 2: Works from bibtex (Total 306)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
GruianK98 GruianK98	F. Gruian, K. Kuchcinski	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming	Yes	[203]	1998	EUROMICRO 1998	8	421	876
PembertonG98 PembertonG98	Joseph C. Pemberton, Flavius Galiber III	A constraint-based approach to satellite scheduling	Yes	[372]	1998	DIMACS 1998	14	518	877
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[394]	1998	CP 1998	15	531	878
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[34]	1997	CP 1997	15	326	879
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research	Yes	[50]	1997	CP 1997	15	333	880
BoucherBVBL97 BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem	No	[97]	1997	PACT 1997	18	No	881
Caseau97 Caseau97	Y. Caseau	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel	Yes	[109]	1997	CP 1997	4	362	882
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[369]	1997	PACT 1997	20	No	883
BrusoniCLMMT96 BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[103]	1996	ISMIS 1996	10	358	884
Colombani96 Colombani96	Y. Colombani	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem	Yes	[122]	1996	CP 1996	15	372	885
Zhou96 Zhou96	J. Zhou	A Constraint Program for Solving the Job-Shop Problem	Yes	[511]	1996	CP 1996	15	586	886
Goltz95 Goltz95	H. Goltz	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling	Yes	[194]	1995	CP 1995	14	414	887
Puget95 Puget95	J. Puget	Applications of Constraint Programming	Yes	[387]	1995	CP 1995	4	526	888
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[423]	1995	CP 1995	4	544	889
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[425]	1995	CP 1995	14	545	890
Touraivane95 Touraivane95	Touraivane	Constraint Programming and Industrial Applications	Yes	[451]	1995	CP 1995	3	559	891
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	[242]	1994	ILPS 1994	1	No	892
NuijtenA94 NuijtenA94	W. P. M. Nuijten, Emile H. L. Aarts	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling	Yes	[360]	1994	ECAI 1994	5	511	893
Wallace94 Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[481]	1994	Constraint Program- ming 1994	19	No	894
BaptisteLV92 BaptisteLV92	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming	Yes	[36]	1992	ICRA 1992	6	325	895
ErtlK91 ErtlK91	M. Anton Ertl, A. Krall	Optimal Instruction Scheduling using Constraint Logic Programming	Yes	[150]	1991	PLILP 1991	12	388	896

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	591
AbrilSB05 [3]	1	distributed, scheduling, multi-agent, order					railway				231	821
Acuna-AgostMFG09 [4]	2	re-scheduling, order, scheduling, transportation					railway		Roadef		193	783
AkkerDH07 [463]	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					213	803
AlesioNBG14 [140]	18	preempt, job-shop, distributed, scheduling, completion-time, make-span, resource, open-shop, order, job, activity, task		alldifferent		OPL, Cplex	automotive		benchmark		131	721
AngelsmarkJ00 [11]	5	resource, job, order, scheduling, task, job-shop									281	871
AntuoriHHEN20 [12]	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	634
AntuoriHHEN21 [13]	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	622
ArbaouiY18 [14]	10	setup-time, order, machine, make-span, sequence dependent setup, completion-time, cmax, resource, job, scheduling	single machine, parallel machine	alternative constraint, noOverlap, cumulative	C++	OZ, Cplex			benchmark		69	659
ArmstrongGOS21 [15]	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	623
ArmstrongGOS22 [16]	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	606
AronssonBK09 [17]	13	job-shop, transportation, order, job, task		cumulative	Prolog	Cplex, CHIP	railway		real-world, real-life	sweep	194	784

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ArtiguesBF04 [18]	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	250	840
ArtiouchineB05 [21]	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	232	822
Astrand0F21 [23]	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	625
AstrandJZ18 [24]	9	resource, task, machine, make-span, order, activity, scheduling	single machine	disjunctive, cumulative, cycle		Gecode	hoist, robot	potash industry		time-tabling	70	660
BadicaBIL19 [27]	11	completion-time, resource, order, activity, machine, multi-agent, distributed, make-span, scheduling		cycle		ECLiPSe, Gecode			github		54	644
BajestaniB11 [28]	8	due-date, inventory, job, machine, make-span, order, re-scheduling, resource, scheduling, tardiness, transportation	JSSP, single machine	circuit, cumulative, cycle		Cplex, Ilog Solver	aircraft, railway				171	761
Baptiste09 [31]	1	scheduling									195	785
BaptisteLV92 [36]	6										305	895
BaptisteP97 [34]	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	289	879
BarlattCG08 [37]	5	scheduling, resource, setup-time, job, task, machine, flow-shop, job-shop, transportation					automotive, pipeline		real-world		204	794
Bartak02 [39]	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	269	859
Bartak02a [38]	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	270	860
BartakV15 [44]	12	job-shop, resource, scheduling, make-span, precedence, order, machine, job, lateness, activity, re-scheduling, setup-time							real-world, real-life	sweep	113	703

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BartoliniBBLM14 [45]	16	resource, tardiness, task, job, activity, make-span, machine, scheduling		alternative constraint, cumulative			super-computer				132	722
BarzegaranZP20 [46]	9	re-scheduling, resource, distributed, machine, task, scheduling, order			Java	OR-Tools	automotive, robot				45	635
BeckDF97 [50]	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	290	880
BeckW05 [57]	6	activity, flow-shop, job, job-shop, make-span, order, resource, scheduling				Ilog Scheduler				edge-finder	233	823
BehrensLM19 [61]	7	order, setup-time, resource, task, machine, distributed, multi-agent, scheduling, make-span			Python	OR-Tools, MiniZinc, OZ	robot		real-world, github		55	645
BeldiceanuC02 [64]	17	order, producer/consumer, scheduling, machine, task, resource, activity	single machine	cumulative	Prolog	SICStus, CHIP, OZ	crew-scheduling		real-life, random instance, benchmark	sweep	271	861
BeldiceanuCP08 [66]	15	resource, task, scheduling, order		geost, cumulative, disjunctive	Prolog	SICStus, CHIP, OPL	rectangle-packing, perfect-square		benchmark	edge-finding, sweep	205	795
BeldiceanuP07 [67]	15	preempt, scheduling, release-date, task, resource, order, due-date		cumulative, disjunctive						sweep	214	804
BenderWS21 [69]	16	preempt, activity, task, order, machine, make-span, job, distributed, resource, setup-time, scheduling	RCPSP	noOverlap	Python		agriculture				36	626
BenediktSMVH18 [71]	10	job-shop, scheduling, order, job, preempt, resource, machine	single machine, parallel machine	noOverlap		OZ, Gurobi	energy-price		github, random instance, generated instance		71	661
BeniniBGM06 [72]	15	activity, task, distributed, tardiness, precedence, scheduling, make-span, resource, order, setup-time		cycle, cumulative		ECLiPSe, Cplex, Ilog Solver, OZ	automotive, pipeline		real-life		225	815
BertholdHLMS10 [75]	5	precedence, scheduling, order, completion-time, job, resource, preempt	psplib, RCPSP	disjunctive, cumulative		Cplex, Z3					185	775
BessiereHMQW14 [76]	16	scheduling, order, job, resource, setup-time, task, machine		alldifferent, cycle		Choco Solver	satellite	textile industry	benchmark, real-life		133	723
BillautHL12 [78]	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		158	748

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Bit-Monnot23 [79]	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	592
BofillCSV17 [84]	9	machine, preempt, cmax, lazy clause generation, precedence, scheduling, make-span, resource, order, activity	RCPSP, psplib	cumulative		Z3			benchmark	energetic reasoning	83	673
BofillEGPSV14 [85]	16	order, scheduling, lazy clause generation, machine, task				Cplex, Gecode, MiniZinc			industrial instance	time-tabling	134	724
BofillGSV15 [86]	9	machine, scheduling, order				Cplex			industrial instance	time-tabling	114	704
BogaerdtW19 [464]	16	scheduling, completion-time, order, setup-time, job, machine, job-shop, tardiness, precedence	single machine, parallel machine	noOverlap	C	OPL, Cplex	railway		benchmark		56	646
BonfiettiLBM11 [88]	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		172	762
BonfiettiLBM12 [89]	16	scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, job-shop	RCPSP	cumulative, cycle		Ilog Solver	hoist, robot		benchmark	time-tabling	159	749
BonfiettiLM13 [91]	5	make-span, job-shop, precedence, resource, activity, job, order, scheduling	RCPSP	cumulative, cycle		Cplex					146	736
BonfiettiLM14 [92]	16	make-span, machine, task, job-shop, precedence, open-shop, resource, activity, job, distributed, order, scheduling	RCPSP, psplib	cumulative					real-world, benchmark		135	725
BonfiettiM12 [93]	3	job, task, precedence, job-shop, resource, activity, scheduling, machine	RCPSP	cumulative			hoist		industrial instance		160	750
BonfiettiZLM16 [94]	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	96	686
BoothNB16 [95]	17	distributed, resource, scheduling, task, machine, precedence, order, activity, re-scheduling		disjunctive, cumulative, noOverlap	C++	Cplex	robot, medical		real-world		97	687
BoudreaultSLQ22 [98]	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	607

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BridiLBBM16 [102]	2	resource, task, machine, distributed, make-span, order, job, activity, scheduling									98	688
BrusoniCLMMT96 [103]	10	resource, activity, precedence, task, distributed, due-date, job-shop, scheduling, order, job		disjunctive	Prolog		railway				294	884
BurtLPS15 [104]	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		115	705
CappartS17 [107]	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		84	674
CarchraeBF05 [108]	1	scheduling, order, task, make-span									234	824
Caseau97 [109]	4	preempt, make-span, order, scheduling, job, resource, job-shop, task		cumulative			robot		benchmark	edge-finding	292	882
CauwelaertDMS16 [110]	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	99	689
CestaOS98 [111]	1	resource, scheduling, job					robot				284	874
ChapadosJR11 [112]	6	activity, scheduling, order, task		cycle, cumulative		OPL		retail industry		time-tabling	173	763
ChuGNSW13 [113]	7	distributed, resource, scheduling, precedence, order, task, machine, job		disjunctive, cumulative, alldifferent		CHIP				not-first, not-last, edge-finding	147	737
ChuX05 [114]	15	scheduling, machine, resource, job, release-date, order, due-date, completion-time	single machine	disjunctive, cumulative		ECLiPSe					235	825
CireCH13 [115]	7	make-span, tardiness, scheduling, machine, job, resource, precedence, task, order		circuit, cumulative		OPL, Cplex, OZ					148	738
ClercqPBJ11 [116]	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	174	764
CobanH10 [117]	5	distributed, tardiness, job, preempt, re-scheduling, make-span, order, scheduling		circuit, disjunctive		OPL, Cplex					186	776
CohenHB17 [118]	17	activity, machine, order, scheduling, task		alternative constraint, noOverlap		Cplex, OPL, OZ				time-tabling	85	675
ColT19 [120]	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	647

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Colombani96 [122]	15	job, scheduling, resource, order, task, preempt, activity, due-date, machine, precedence, release-date, job-shop		disjunctive		CHIP					295	885
DannaP03 [124]	5	machine, job, job-shop, activity, earliness, order, tardiness, scheduling, resource		disjunctive		Cplex, Ilog Solver, Ilog Scheduler			benchmark		263	853
Davenport10 [126]	5	resource, release-date, tardiness, scheduling, completion-time, order, earliness, due-date				Cplex	semiconductor				187	777
DavenportKRSH07 [127]	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			215	805
DejemeppeCS15 [133]	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	116	706
DejemeppeD14 [134]	9	make-span, precedence, job-shop, resource, activity, setup-time, scheduling, order, job		cumulative			medical, patient		bitbucket		136	726
DemirovicS18 [136]	18	scheduling, order, task, resource, activity, precedence		cumulative, disjunctive		MiniZinc, Gurobi, OZ			real-world, benchmark	time-tabling	72	662
DerrienP14 [138]	9	resource, scheduling, activity, order, make-span	psplib, CuSP	cumulative	Java	Choco Solver			random instance	sweep, edge-finding, energetic reasoning	137	727
DerrienPZ14 [139]	9	re-scheduling, make-span, scheduling, resource, order, job, activity, machine, precedence	RCPSP, CuSP	cumulative		Choco Solver, CHIP			benchmark, random instance, real-world	sweep	138	728
DilkinaDH05 [141]	5	machine, precedence, job-shop, make-span, job, scheduling, order				OPL					236	826
DoomsH08 [143]	16	scheduling, resource, completion-time, machine, job, job-shop, activity, task, order	RCPSP					services industry			206	796
DoulabiRP14 [144]	9	activity, scheduling, due-date, resource, task, order		bin-packing		Cplex	surgery, nurse, operating room, medical, patient				139	729
EdisO11 [146]	7	task, job, completion-time, activity, lateness, earliness, resource, make-span, scheduling, flow-time, preempt, tardiness, due-date, machine	parallel machine	bin-packing, noOverlap, cumulative		OPL, Cplex					175	765

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
EfthymiouY23 [147]	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	593
ElkhyariGJ02 [148]	6	resource, activity, precedence, scheduling, machine, due-date, preempt, make-span, re-scheduling, task	RCPSP	cumulative, disjunctive, table constraint							272	862
ElkhyariGJ02a [149]	24	activity, re-scheduling, order, due-date, scheduling, task, precedence, open-shop, resource	RCPSP, psplib	cumulative, disjunctive		OZ, OPL			benchmark, real-life	time-tabling	273	863
ErtIK91 [150]	12	setup-time, resource, scheduling, order, machine, task		cycle	Prolog		pipeline		real-world, benchmark		306	896
EvenSH15 [152]	18	preempt, transportation, order, scheduling, machine, distributed, resource, completion-time, task		disjunctive, cumulative		OPL, Choco Solver	emergency service		real-life, real-world	sweep	117	707
FocacciLN00 [161]	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	282	872
FontaineMH16 [162]	11	order, machine, job, task, completion-time, make-span, job-shop, resource, precedence, scheduling	parallel machine	disjunctive		MiniZinc, Gurobi, CHIP			benchmark		100	690
FortinZDF05 [163]	15	resource, order, task, activity, temporal constraint reasoning, precedence, make-span, scheduling	psplib								237	827
FrankK05 [164]	18	order, scheduling, job, resource, due-date, task, precedence		cycle			satellite, aircraft		benchmark		238	828
FrimodigS19 [166]	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	648
FroehnerTR19 [167]	9	scheduling, order, distributed			Java, Python	MiniZinc, Gecode, Gurobi	nurse		benchmark, real-world		59	649
FrostD98 [168]	1	order, scheduling						power industry			285	875
GalleguillosKSB19 [169]	18	re-scheduling, machine, distributed, resource, order, activity, job, scheduling, make-span	JSSP	cumulative, alternative constraint	Python	OR-Tools, OZ	super-computer, datacenter				60	650
GarganiR07 [170]	13	order, machine, resource, inventory		bin-packing	C++	OPL	steel mill	steel industry	real-life, CSPLib		216	806
GayHLS15 [173]	9	precedence, task, order, make-span, resource, scheduling, activity	OSP, psplib, RCPSP	cumulative, disjunctive					benchmark, bit-bucket	edge-finding, time-tabling	118	708

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GayHS15 [174]	9	scheduling, precedence, resource, preempt, task, order		cumulative, table constraint, disjunctive		Choco Solver, OR-Tools, Gecode			bitbucket	time-tabling, sweep	119	709
GayHS15a [175]	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	120	710
GaySS14 [176]	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	141	731
GeibingerKKMMW21 [178]	10	distributed, scheduling				MiniZinc, OR-Tools, Gurobi, Cplex, Gecode	nurse, physician, COVID, medical, patient	pharmaceutical industry	real-world		37	627
GeibingerMM19 [180]	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	651
GeibingerMM21 [181]	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	628
GeitzGSSW22 [182]	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	608
GelainPRVW17 [183]	16	resource, scheduling, order							CSPLib, real-life, benchmark		86	676
Geske05 [184]	18	machine, task, re-scheduling, job, activity, order, distributed, resource, scheduling, lateness, job-shop		cumulative	Prolog	CHIP, SIC-Stub	railway		real-life		239	829

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GilesH16 [185]	16	inventory, setup-time, activity, task, transportation, order, scheduling, resource		cumulative, disjunctive		Cplex	pipeline	petro-chemical industry, chemical processing industry, chemical industry			101	691
GingrasQ16 [186]	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	102	692
GodardLN05 [187]	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		240	830
GodetLHS20 [189]	8	lazy clause generation, setup-time, release-date, scheduling, task, order, machine, make-span, cmax, completion-time, resource, job	parallel machine, PMSP, single machine	alldifferent, bin-packing, cumulative, disjunctive		OZ, Choco Solver, CHIP, Chuffed	satellite		github, real-life, benchmark, generated instance	not-last, time-tabling	46	636
GoldwaserS17 [192]	16	scheduling, machine, transportation, due-date, order, lazy clause generation, resource		cumulative, disjunctive	Python	Gurobi, Gecode	torpedo	steel industry	instance generator, github, generated instance		87	677
Goltz95 [194]	14	due-date, machine, task, job, completion-time, order, resource, scheduling, precedence, job-shop		cumulative, disjunctive	Prolog	CHIP			benchmark	edge-finding	297	887
GomesHS06 [195]	2	scheduling, distributed, task, multi-agent, order				Ilog Solver			real-life		226	816
GrimesH10 [196]	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	188	778
GrimesH11 [197]	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	176	766
GrimesHM09 [199]	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	196	786
GroleazNS20 [202]	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	637

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GroleazNS20a [201]	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	638
GruianK98 [203]	8	task, resource, scheduling, order, activity, re-scheduling		cumulative, cycle, diffn, circuit		OPL, CHIP	pipeline, aircraft		benchmark		286	876
GuSS13 [204]	7	lazy clause generation, activity, order, distributed, scheduling, precedence, make-span, machine, resource	single machine	cumulative					benchmark	edge-finding, edge-finder, time-tabling	149	739
GuSW12 [205]	15	lazy clause generation, activity, order, preempt, scheduling, precedence, make-span, cmax, resource, job		cumulative	C++				benchmark		161	751
HanenKP21 [210]	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	629
He0GLW18 [212]	18	distributed, machine, precedence, re-scheduling, transportation, multi-agent, order, scheduling			Python	Gurobi	real-time pricing, energy-price		real-world, bit-bucket		73	663
HebrardALLCMR22 [213]	7	activity, order, scheduling		cumulative	Julia	OZ, Claire	deep space			sweep	19	609
HebrardTW05 [215]	1	order, job, machine, job-shop, scheduling									241	831
HechingH16 [216]	11	re-scheduling, job, task, order, scheduling, manpower		circuit, noOverlap		OPL, Cplex, OZ	patient, medical		real-world		103	693
HeinzB12 [218]	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					162	752
HeinzKB13 [219]	16	release-date, job-shop, resource, scheduling, order, machine, tardiness, job	single machine	cumulative		OPL, Cplex					150	740
HeinzS11 [221]	10	preempt, order, scheduling, resource, completion-time, machine, job	psplib, RCPSP	disjunctive, cumulative		Cplex			benchmark	energetic reasoning, time-tabling	177	767
HentenryckM04 [226]	16	open-shop, resource, order, activity, job, due-date, completion-time, tardiness, scheduling, make-span, machine, task, job-shop, precedence		disjunctive, cycle, cumulative					benchmark		252	842
HentenryckM08 [227]	5	order		bin-packing			steel mill		CSPLib		207	797
HermenierDL11 [228]	15	precedence, distributed, resource, order, scheduling, completion-time, producer/consumer, machine, task		bin-packing, disjunctive, alldifferent, cumulative, cycle, table constraint		OZ, Choco Solver	datacenter				178	768

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HillTV21 [229]	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	630
HoYCLLC18 [230]	6	resource, task, machine, distributed, re-scheduling, order, job, scheduling			C		nurse, medical, patient		real-world		74	664
HoeveGSL07 [466]	6	re-scheduling, job, precedence, distributed, resource, task, job-shop, multi-agent, scheduling, machine, order		disjunctive		Ilog Scheduler, Cplex			benchmark	edge-finding	217	807
Hooker04 [231]	12	machine, task, precedence, release-date, make-span, order, tardiness, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		253	843
Hooker05a [233]	14	release-date, due-date, resource, scheduling, make-span, task, precedence, order, machine, tardiness, job		circuit, cumulative, disjunctive		OPL, Cplex, Ilog Scheduler					242	832
Hooker17 [235]	14	job, due-date, order, tardiness, scheduling, resource		circuit		OZ			benchmark, random instance		88	678
HookerY02 [236]	5	resource, scheduling, order, machine, job	RCPSP	disjunctive, cumulative							274	864
HoundjiSWD14 [237]	16	precedence, resource, scheduling, machine, inventory, transportation, due-date, order	single machine	circuit					bitbucket, generated instance		142	732
IfrimOS12 [239]	16	task, order, machine, job, re-scheduling, distributed, due-date, resource, scheduling		disjunctive			datacenter, energy-price		real-life		163	753
JelinekB16 [241]	10	scheduling, task, order, completion-time		table constraint, cumulative	Prolog	OZ, SICS-tus, OPL			real-life		104	694
JungblutK22 [243]	4	distributed, machine, make-span, scheduling, resource, order, task, preempt		circuit		MiniZinc			benchmark, github, real-world		20	610
JuvinHHL23 [244]	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	594
JuvinHL23 [245]	16	make-span, completion-time, task, precedence, order, cmax, machine, tardiness, job, setup-time, job-shop, flow-shop, scheduling		noOverlap, end-BeforeStart		Cplex, CPO			real-world		5	595
KamarainenS02 [246]	17	machine, job-shop, resource, precedence, transportation, earliness, activity, job, order, preempt, scheduling	KRFP			ECLiPSe			real-world, benchmark		275	865

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KameugneFGOQ18 [248]	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	75	665
KameugneFND23 [249]	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	596
KameugneFSN11 [250]	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	179	769
KelarevaTK13 [253]	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		151	741
KeriK07 [255]	14	due-date, tardiness, temporal constraint reasoning, job, activity, order, earliness, make-span, scheduling, precedence, cmax, resource, job-shop	RCPSP	cycle	C++					edge-finding	218	808
KhemmoudjPB06 [257]	13	resource, stock level, distributed, order, scheduling		cycle, cumulative	C++	CHIP			real-world		227	817
KimCMLLP23 [258]	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	597
KlankeBYE21 [259]	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	631
KletzanderM17 [260]	15	scheduling, machine, resource, transportation, order	parallel machine			OZ	torpedo	steel industry			89	679

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KorbaaYG99 [262]	8	job, resource, task, job-shop, scheduling, machine, flow-shop, order, transportation, make-span		cycle, circuit	Prolog	CHIP, Ilog Solver, OZ	robot, hoist				283	873
KoschB14 [264]	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		143	733
KovacsB07 [265]	15	activity, completion-time, due-date, earliness, flow-shop, job, job-shop, machine, make-span, order, preempt, release-date, resource, scheduling, tardiness	parallel machine, single machine	cumulative	C++	Ilog Solver			benchmark		219	809
KovacsEKV05 [268]	1	scheduling, resource, setup-time, job, job-shop, precedence							real-life		243	833
KovacsTKSG21 [272]	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	632
KovacsV04 [270]	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	254	844
KovacsV06 [271]	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		228	818
KreterSS15 [273]	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		121	711
KrogtLPHJ07 [465]	13	resource, order, job, inventory, activity, due-date, machine, job-shop, precedence, scheduling		circuit	Prolog	OPL	semiconductor aircraft		real-world		220	810
KucukY19 [279]	5	order, scheduling, distributed, resource, setup-time, sequence dependent setup, task		disjunctive, cycle, noOverlap		Cplex	satellite, earth observation		benchmark, generated instance	time-tabling	62	652
Kumar03 [278]	15	activity, order, scheduling, producer/consumer, resource		cycle						bi-partite matching, max-flow	264	854
Laborie09 [280]	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		197	787
Laborie18a [281]	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	76	666

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LacknerMMWW21 [283]	18	release-date, flow-shop, batch process, setup-time, job, order, due-date, tardiness, scheduling, make-span, machine, task, lateness, earliness	parallel machine, OSP, single machine	noOverlap, cumulative, end-BeforeStart		Chuffed, Cplex, OPL, CPO, OZ, OR-Tools, MiniZinc, Gurobi	semiconductor oven scheduling	electronics industry, steel industry, manufacturing industry	random instance, industrial partner, benchmark, instance generator, real-life, supplementary material		43	633
LahimerLH11 [285]	14	resource, task, machine, preempt, cmax, precedence, make-span, order, job, scheduling, completion-time	parallel machine, RCPSP	disjunctive	C++	Ilog Scheduler			benchmark	energetic reasoning	180	770
LauLN08 [287]	5	order, distributed, inventory, resource, scheduling, flow-shop, transportation, job-shop, machine, job							benchmark, real-world		208	798
LetortBC12 [289]	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	164	754
LetortCB13 [290]	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	152	742
LiFJZLL22 [292]	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	611
LimBTBB15 [296]	15	job-shop, scheduling, multi-agent, order, machine, tardiness, job, re-scheduling, earliness				OPL	HVAC		benchmark	time-tabling	122	712
LimHTB16 [295]	18	machine, activity, re-scheduling, multi-agent, order, scheduling, distributed		cumulative		OPL	real-time pricing, HVAC, energy-price		real-world		105	695
LimRX04 [294]	5	scheduling, preempt, machine, job, completion-time, order, transportation				OZ	container terminal		generated instance		255	845
Limtanyakul07 [297]	6	make-span, task, machine, release-date, resource, precedence, job, order, scheduling, due-date		cumulative		OPL	robot		real-life	energetic reasoning	221	811
LipovetzkyBPS14 [299]	9	scheduling, resource, precedence, task, order, transportation, make-span		disjunctive		Cplex	crew-scheduling		industrial partner, real-life, industry partner, real-world, benchmark, generated instance		144	734

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LiuCGM17 [301]	17	transportation, order, cmax, scheduling, machine, task, activity			Python	OR-Tools, OPL, MiniZinc		tourism industry	github		90	680
LiuJ06 [302]	5	make-span, task, order, scheduling, resource		cycle, disjunctive							229	819
LiuLH19 [300]	9	order, resource, scheduling				Choco Solver, OZ			CSPlib, benchmark, real-world	time-tabling	63	653
LombardiBM15 [303]	16	completion-time, job-shop, resource, activity, precedence, scheduling, machine, distributed, order, job, make-span, task	JSSP, RCPSP, psplib								123	713
LombardiBMB11 [304]	17	resource, order, activity, completion-time, scheduling, make-span, machine, task, precedence	RCPSP	cycle, cumulative	C++		hoist		benchmark, industrial instance, real-life		181	771
LombardiM09 [305]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task, preempt	RCPSP			Ilog Solver			real-world, instance generator		198	788
LombardiM10 [307]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task	RCPSP	disjunctive, cumulative		Ilog Solver			real-world, benchmark		189	779
LombardiM13 [310]	2	precedence, make-span, order, activity, scheduling, resource, task	RCPSP, psplib								153	743
LuoB22 [318]	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	612
LuoVLBM16 [317]	4	activity, job, job-shop, machine, order, precedence, resource, scheduling, task					nurse			time-tabling	106	696
Madi-WambaB16 [319]	16	precedence, job, order, scheduling, task, resource		cumulative	Java	Choco Solver, CHIP			real-world, benchmark, random instance, generated instance		107	697
Madi-WambaLOBM17 [320]	8	machine, task, activity, re-scheduling, job, precedence, distributed, scheduling, order, resource		bin-packing, cumulative	Prolog	SICStus	datacenter		real-world	sweep	91	681
MakMS10 [321]	5	scheduling, due-date, order, machine, inventory, task, job, activity, transportation, precedence, resource		cycle							190	780
MalapertN19 [322]	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	654
MaraveliasG04 [325]	20					OZ					256	846

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Mehdizadeh-Somarin23 [328]	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	598
MelgarejoLS15 [6]	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		124	714
Mercier-AubinGQ20 [332]	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	639
MoffittPP05 [333]	6	scheduling, resource, order, activity, machine, cmax, make-span	Temporal Constraint Satisfaction Problem	cycle, disjunctive							244	834
MonetteDD07 [335]	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	222	812
MonetteDH09 [336]	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	199	789
MossigeGSMC17 [339]	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		92	682
MouraSCL08 [341]	16	scheduling, preempt, activity, order, transportation, inventory, precedence, distributed, resource		table constraint, disjunctive, cycle	C++	Ilog Solver, OZ, Ilog Scheduler	pipeline			max-flow	209	799
MouraSCL08a [340]	8	transportation, re-scheduling, order, scheduling, due-date, resource, inventory, distributed		disjunctive, cumulative	C++	Ilog Solver, Ilog Scheduler	pipeline		real-world, benchmark		210	800
MurinR19 [343]	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	655
MurphyMB15 [344]	17	scheduling, task, order, machine, activity, re-scheduling, resource		cycle, circuit, cumulative, disjunctive	Java	Choco Solver			real-world		125	715

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Muscettola02 [345]	16	job-shop, resource, activity, precedence, scheduling, order, job, cmax		cycle						edge-finding, max-flow	276	866
MusliuSS18 [346]	17	distributed, scheduling, activity, manpower, task, order, machine		cycle		Gecode, Gurobi, MiniZinc	operating room, nurse		generated instance, benchmark, real-life		77	667
NattafM20 [350]	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	640
NishikawaSTT18 [352]	6	make-span, order, resource, activity, task, distributed, precedence, scheduling		alternative constraint, endBeforeStart		Cplex, OZ	pipeline, robot		real-world, benchmark		78	668
NishikawaSTT18a [353]	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		79	669
NuijtenA94 [360]	5	precedence, resource, job-shop, scheduling, preempt, order, completion-time, machine, make-span, job	JSSP	disjunctive	C++	Ilog Solver, CPO				time-tabling	303	893
OddiPCC03 [362]	15	preempt, distributed, resource, scheduling, precedence, order, completion-time, task, machine, activity	single machine	cycle	Java		satellite, earth observation		benchmark		265	855
OuelletQ13 [363]	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	154	744
OuelletQ18 [364]	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	80	670
OuelletQ22 [365]	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	613

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
OujanaAYB22 [366]	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	614
ParkUJR19 [371]	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	656
PembertonG98 [372]	14	job-shop, resource, activity, preempt, scheduling, machine, order, job, task		geost, cycle		Ilog Solver, OPL	satellite, robot				287	877
PerezGSL23 [373]	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	599
PesantRR15 [375]	16	activity, transportation, lazy clause generation, scheduling, order		cumulative, table constraint		Gurobi, Gecode, Ilog Solver					126	716
PoderB08 [377]	8	resource, producer/consumer, release-date, task, activity, preempt, due-date, order, scheduling		cumulative		CHIP			sweep		211	801
PopovicCGNC22 [381]	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	615
PovedaAA23 [383]	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	600
Pralet17 [384]	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		93	683
PraletLJ15 [385]	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				127	717
Puget95 [387]	4	resource, job-shop, task, job, activity, order, scheduling, transportation, manpower		disjunctive		OPL			benchmark		298	888
QuSN06 [390]	4	task, scheduling, distributed, resource, precedence		circuit	Prolog	SICStus					230	820

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
QuirogaZH05 [391]	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				245	835
RendlPHPR12 [392]	17	re-scheduling, job, scheduling, order, machine, transportation			Java	OZ	medical, patient, nurse		real-world, CSplib, benchmark		165	755
RiahiNS018 [393]	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		81	671
RodosekW98 [394]	15	task, order, transportation, machine, activity, make-span, job, resource, scheduling		circuit, disjunctive, cycle	Prolog	OPL, CHIP, ECLiPSe, Cplex	hoist, electroplating		benchmark		288	878
RossiTHP07 [397]	15	resource, inventory, scheduling, distributed, stock level, order		cumulative, cycle		OPL, Choco Solver					223	813
Sadykov04 [400]	7	release-date, due-date, preempt, scheduling, completion-time, task, precedence, machine, job, lateness	parallel machine, single machine	disjunctive						edge-finding	257	847
SchuttCSW12 [405]	17	scheduling, resource, order, preempt, activity, lazy clause generation, precedence, make-span		cumulative		CHIP			benchmark		166	756
SchuttFS13 [407]	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	155	745
SchuttFS13a [406]	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	156	746
SchuttFSW09 [408]	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	200	790
SchuttS16 [412]	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		108	698
SchuttW10 [413]	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	191	781
SchuttWS05 [414]	15	task, order, due-date, machine, preempt, resource, release-date, scheduling		cumulative, disjunctive		OPL, CHIP			benchmark	not-last	246	836

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SerraNM12 [415]	17	preempt, resource, scheduling, precedence, order, machine, activity, release-date, inventory	RCPSP, JSSP	alwaysIn, cumulative, cycle	Prolog	OPL, Cplex	satellite	food industry	benchmark, real-world		167	757
SialaAH15 [420]	10	make-span, open-shop, task, machine, precedence, order, cmax, tardiness, job, setup-time, earliness, lazy clause generation, job-shop, resource, scheduling		disjunctive, cumulative		Mistral			github, benchmark	edge-finding	128	718
SimoninAHL12 [421]	15	resource, activity, precedence, preempt, scheduling, order, task		disjunctive, span constraint, cumulative, cycle		CHIP				sweep	168	758
Simonis95 [423]	4	transportation, resource, scheduling, task, machine, producer/consumer, precedence, order	OSP, Earth Observation Scheduling Problem, EOSP	cumulative, cycle, diffn, circuit	Prolog	CHIP	aircraft	food industry			299	889
SimonisC95 [425]	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		300	890
SquillaciPR23 [427]	17	resource, activity, multi-agent, distributed, order, scheduling, task		noOverlap	Python	Cplex	earth orbit, earth observation, satellite		github, benchmark		11	601
SunLYL10 [430]	6	task, order, scheduling, distributed	RCPSP, psplib	cycle	Java	Cplex, OPL	automotive	manufacturing industry			192	782
SvancaraB22 [432]	8	multi-agent, batch process, make-span, order, activity, scheduling, resource, task		alternative constraint, noOverlap			railway		benchmark, real-world	time-tabling	26	616
SzerediS16 [433]	10	task, order, machine, preempt, activity, make-span, resource, precedence, lazy clause generation, scheduling		cumulative		Cplex, MiniZinc, Chuffed, Gecode			benchmark		109	699
TangB20 [434]	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	641
TardivoDFMP23 [436]	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	602
TasselGS23 [437]	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	603

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Teppan22 [440]	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, end-BeforeStart	Java	OR-Tools, OPL			real-life, bench-mark		27	617
Tesch16 [443]	27	scheduling, order, job, completion-time, precedence, resource, make-span	CuSP, psplib, RCPSP	cumulative, dis-junctive	C++	OPL			Roadef	sweep, edge-finding, energetic reasoning, not-last, time-tabling, not-first	110	700
Tesch18 [444]	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	82	672
ThiruvadyBME09 [445]	15	tardiness, open-shop, machine, due-date, job, make-span, scheduling, order, resource, setup-time	single machine	cumulative	C++	Gecode					201	791
Tom19 [448]	6	job-shop, job, re-scheduling, task, tardiness, activity, resource, make-span, scheduling, machine, transportation	single machine		Java	OZ, OPL			real-world		67	657
TouatBT22 [450]	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, Cplex	robot, container terminal, satellite		benchmark, generated instance	time-tabling	28	618
Touraivane95 [451]	3	scheduling, order, task			Prolog		crew-scheduling		real-life		301	891
TranB12 [453]	6	cmax, completion-time, distributed, due-date, job, machine, make-span, order, precedence, release-date, resource, scheduling, sequence dependent setup, setup-time, tardiness	PMSP, parallel machine, single machine	circuit, cycle	C++	Cplex			benchmark		169	759
TranDRFWOVB16 [454]	9	activity, job, job-shop, machine, order, precedence, re-scheduling, resource, scheduling, task		cycle	Python	OPL	aircraft				111	701
TranTDB13 [456]	9	cmax, distributed, flow-shop, flow-time, job, machine, make-span, order, re-scheduling, resource, scheduling, setup-time, task	parallel machine	cycle	C++	Cplex, OZ			real-world		157	747

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
TranVNB17a [458]	5	activity, machine, order, resource, scheduling, setup-time, task, transportation		alternative constraint, cumulative		Cplex	medical, robot		real-world		94	684
TranWDRFOVB16 [459]	9	activity, job, job-shop, machine, order, precedence, scheduling, task	single machine	cumulative, cycle	Python	Ilog Scheduler, OPL	robot, satellite		benchmark		112	702
ValleMGT03 [462]	8	machine, order, transportation, make-span, resource, job, precedence, task, job-shop, scheduling				Ilog Solver	robot		real-life	edge-finder	266	856
VanczaM01 [467]	15	resource, scheduling, precedence, task, machine, order		disjunctive, cycle		OZ	robot		real-life, real-world		279	869
VerfaillieL01 [468]	15	job, open-shop, order, scheduling, task, job-shop	Open Shop Scheduling Problem	cycle		Cplex, OPL	earth observation, satellite				280	870
Vilim02 [469]	1	scheduling, precedence, sequence dependent setup, batch process, activity, setup-time, resource		cumulative, disjunctive						edge-finding	277	867
Vilim03 [470]	1	scheduling, job, open-shop, order, job-shop		cumulative, disjunctive						not-last, edge-finding	267	857
Vilim04 [471]	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	258	848
Vilim05 [472]	14	scheduling, precedence, preempt, machine, task, job, open-shop, completion-time, activity, order, resource, make-span, job-shop		cumulative, disjunctive	C++				benchmark	not-last	247	837
Vilim09 [473]	15	scheduling, precedence, preempt, job, completion-time, activity, order, resource, job-shop		cumulative, cycle		CPO				energetic reasoning, not-last, edge-finding, not-first	202	792
Vilim09a [474]	15	order, scheduling, resource, completion-time, task, activity, preempt		cycle, cumulative		Ilog Scheduler				edge-finding, not-last, energetic reasoning	203	793
Vilim11 [475]	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	182	772
VilimBC04 [476]	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	259	849

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
VilimLS15 [478]	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	129	719
WangB20 [484]	8	job, order, machine, task, distributed, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		OZ, Gurobi	aircraft		github		52	642
WangB23 [485]	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	604
WatsonB08 [487]	15	job-shop, resource, scheduling, make-span, completion-time, machine, order, cmax, job		disjunctive	C++	Ilog Scheduler			benchmark, real-world		212	802
WessenCS20 [488]	10	make-span, completion-time, precedence, job, scheduling, task, order, job-shop, multi-agent		circuit		Gecode, OZ	robot		real-world		53	643
WinterMMW22 [490]	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	619
Wolf03 [491]	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	268	858
WolfS05 [492]	14	preempt, activity, order, task, completion-time, scheduling, distributed, resource		cumulative		CHIP			real-world	energetic reasoning, not-last, sweep	248	838
WolinskiKG04 [493]	8	resource, precedence, scheduling, machine, order, distributed	SCC	cycle	Java		pipeline				261	851
WuBB05 [494]	1	scheduling, resource, job, make-span, release-date				Ilog Scheduler			benchmark		249	839
YangSS19 [496]	10	resource, completion-time, machine, task, activity, preempt, order, scheduling, lazy clause generation		cumulative, disjunctive	Prolog	Choco Solver, Gecode, CHIP, SIC-Stus, OPL, OR-Tools	rectangle-packing		generated instance	not-last, energetic reasoning, edge-finding	68	658
YoungFS17 [498]	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	95	685
YuraszeckMC23 [500]	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	605

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ZhangBB22 [507]	9	cmax, completion-time, distributed, job, job-shop, lateness, machine, make-span, order, precedence, preempt, resource, scheduling, task	single machine	cycle, disjunctive, span constraint	Python	CPO, Gurobi, OPL			benchmark, generated instance		30	620
ZhangJZL22 [506]	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	621
ZhangLS12 [510]	4	scheduling, order, cmax								time-tabling	170	760
Zhou96 [511]	15	release-date, job-shop, due-date, task, order, scheduling, precedence, completion-time, job, machine		disjunctive	Prolog	Z3				edge-finding	296	886
ZhouGL15 [513]	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		130	720
ZhuS02 [514]	5	activity, scheduling, distributed, resource									278	868
ZibranR11 [515]	4	scheduling, order, activity			Java	OPL, Cplex					183	773
ZibranR11a [516]	10	scheduling, distributed, order, activity, resource				Cplex, OPL				time-tabling	184	774

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	307
Bit-Monnot23 Bit-Monnot23 [79]	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	ARIES CP Opt OR-Tools Mistral OR-Tools	real-world, github, bench- mark	1	y		y	-	JSSP OSSP	-	2	344
EfthymiouY23 EfthymiouY23 [147]	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems		benchmark, random instance, generated instance, real-life, industrial instance	3	n		n	-	CHSP	-	3	385
JuvinHHL23 JuvinHHL23 [244]	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	CP Opt Mistral	supplementary material, github, bench- mark	6	ref		y		PJSSP	endBeforeStart span noOverlap	4	446
JuvinHL23 JuvinHL23 [245]	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	CP Opt Cplex	real-world	0	ref		n	-	Perm FSSP	endBeforeStart noOverlap sameSequence cumulative	5	447
KameugneFND23 KameugneFND23 [249]	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	?	benchmark	5	BL PSPLib		n	-	RCPSPs		6	450
KimCMLLP23 KimCMLLP23 [258]	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Gurobi OR-Tools	real-world, benchmark, zenodo	0	y		n	-	SCC	alternative noOverlap	7	455
Mehdizadeh-Somarin23 Mehdizadeh-Somarin23 [328]	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	495
PerezGSL23 PerezGSL23 [373]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	9	519
PovedaAA23 PovedaAA23 [383]	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	CP Opt MiniZinc Chuffed	real-world, github, bench- mark, industrial instance, real- life	4	y		y		PP-MS- MMRCPSP/max- cal		10	523
SquillaciPR23 SquillaciPR23 [427]	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Cplex Studio	github, bench- mark	2	y		n	-	EOSP	?	11	546
TardivoDFMP23 TardivoDFMP23 [436]	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	MiniCPP MiniZinc	bitbucket, github, bench- mark, real- world	9	PSPLib BL Pack		y	-	RCPSP	cumulative	12	551
TasselGS23 TasselGS23 [437]	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	custom Choco	industrial instance, real- world, supple- mentary ma- terial, github, benchmark	0	ref		y	-	JSSP	noOverlap	13	552
WangB23 WangB23 [485]	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	FaCiLe	real-world, random instance	0	(y)		n	[484]	FJS	-	14	573
YuraszeckMC23 YuraszeckMC23 [500]	A competitive constraint programming approach for the group shop scheduling problem	CP Opt	github, bench- mark	0	ref		n	-	GSSP	noOverlap endBeforeStart	15	583

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 [16]	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	CP Opt	real-world, benchmark	0	(y)		-	[15]	$HFFm tt C_{\max}$	endBeforeStart alternative cumulative noOverlap	16	317
BoudreaultSLQ22 BoudreaultSLQ22 [98]	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	356
GeitzGSSW22 GeitzGSSW22 [182]	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	406
HebrardALLCMR22 HebrardALLCMR22 [213]	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration			0							19	426
JungblutK22 JungblutK22 [243]	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	MiniZinc	benchmark, github, real-world	0	y		y	-			20	445
LiFJZLL22 LiFJZLL22 [292]	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	475
LuoB22 LuoB22 [318]	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	489
OuelletQ22 OuelletQ22 [365]	A MinCumulative Resource Constraint	Choco	github, benchmark, random instance	1	y		y	-		cumulative minCumulative	23	515
OujanaAYB22 OujanaAYB22 [366]	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 alwaysIn	24	516
PopovicCGNC22 PopovicCGNC22 [381]	Scheduling the Equipment Maintenance of an Electric Power Transmission Network Using Constraint Programming	CP Opt		0	n		n	-	TMS	noOverlap	25	522
SvancaraB22 SvancaraB22 [432]	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling		benchmark, real-world	0							26	548
Teppan22 Teppan22 [440]	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	OPL	real-life, benchmark	0	ref		n	-	FJSSP	noOverlap alternative endBeforeStart alternative noOverlap forbidExtent alternative noOverlap	27	553
TouatBT22 TouatBT22 [450]	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		28	558
WinterMMW22 WinterMMW22 [490]	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		29	576

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 [507]	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware		benchmark, generated instance	0							30	??
ZhangJZL22 ZhangJZL22 [506]	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	OP Opt	benchmark	0	ref		n	-	HFSP	alternative endBeforeStart noOverlap cumulative	31	584
AntuoriHHEN21 AntuoriHHEN21 [13]	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	314
ArmstrongGOS21 ArmstrongGOS21 [15]	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	316
ArtiguesHQT21 ArtiguesHQT21 [19]	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms			0							34	No
Astrand0F21 Astrand0F21 [23]	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	321
BenderWS21 BenderWS21 [69]	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	CP Opt		9	y		n	-	MRCPPSP	noOverlap alternative	36	338
GeibingerKKMMW21 GeibingerKKMMW21 [178]	Physician Scheduling During a Pandemic	MiniZinc	real-world	3	y		n	-		nvalue	37	403
GeibingerMM21 GeibingerMM21 [181]	Constraint Logic Programming for Real-World Test Laboratory Scheduling	clingcon	real-life, github, generated instance, real-world, benchmark	0	y				TLSP RCPSP	disjunctive	38	405
HanenKP21 HanenKP21 [210]	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	424
HillTV21 HillTV21 [229]	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	435
KlankeBYE21 KlankeBYE21 [259]	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	456
KovacsTKSG21 KovacsTKSG21 [272]	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	461
LacknerMMWW21 LacknerMMWW21 [283]	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	470

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AntuoriHHEN20 AntuoriHHEN20 [12]	Leveraging Reinforcement Learning, Constraint Programming and Local Search: A Case Study in Car Manufacturing		random instance, generated instance, gitlab, benchmark, industrial instance	4							44	313
BarzegaranZP20 BarzegaranZP20 [46]	Quality-Of-Control-Aware Scheduling of Communication in TSN-Based Fog Computing Platforms Using Constraint Programming Using Approximation within Constraint Programming to Solve the Parallel Machine Scheduling Problem with Additional Unit Resources	OR-Tools		5	n		n	-	FCP		45	332
GodetLHS20 GodetLHS20 [189]	MiniZinc Choco Chuffed	github, real-life, benchmark, generated instance	0	JSON		y	-		PMSPAU	disjunctive cumulative alldifferent enqueueCstr approxCstr groupCumulative	46	412
GroleazNS20 GroleazNS20 [202]	Solving the Group Cumulative Scheduling Problem with CPO and ACO	CP Opt ACO	benchmark, industrial instance	0	-		-	[202]	GCSP		47	419
GroleazNS20a GroleazNS20a [201]	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	420
Mercier-AubinGQ20 Mercier-AubinGQ20 [332]	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	MiniZinc Chuffed	industrial instance, industrial partner	1	a		a	-		circuit cumulative	49	497
NattafM20 NattafM20 [350]	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Cplex CP Opt	benchmark, industrial instance	7	-		-	[322]	PTC	alternative noOverlap	50	508
TangB20 TangB20 [434]	CP and Hybrid Models for Two-Stage Batching and Scheduling	Cplex CP Opt	real-world	0	n		n	-	2BPHFSP	span alwaysIn	51	550
WangB20 WangB20 [484]	Global Propagation of Transition Cost for Fixed Job Scheduling	FaCiLe	github	0	y		n	-	FJS	-	52	572
WessenCS20 WessenCS20 [488]	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Gecode	real-world	10	n		n	-		circuit alldifferent	53	575
BadicaBIL19 BadicaBIL19 [27]	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	ECLiPSe	github	0	dead		dead	-			54	323
BehrensLM19 BehrensLM19 [61]	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	334
BogaerdTW19 BogaerdTW19 [464]	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	custom Cplex CPO CP Opt	benchmark	4	n		n	-	Multi Machine Scheduling	noOverlap	56	348
ColT19 ColT19 [120]	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	OR-Tools	github, benchmark, real-world	2	y		y	-	JSSP	noOverlap	57	371
FrimodigS19 FrimodigS19 [166]	Models for Radiation Therapy Patient Scheduling	Mini-Zinc Gecode Cplex	benchmark, real-world	1	n		n	-		cumulative regular bin-packing	58	394
FrohnerTR19 FrohnerTR19 [167]	Casual Employee Scheduling with Constraint Programming and Metaheuristics		benchmark, real-world	0							59	395
GalleguillosKSB19 GalleguillosKSB19 [169]	Constraint Programming-Based Job Dispatching for Modern HPC Applications	OR-Tools		5			y		on-line dispatch		60	397

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GeibingerMM19 GeibingerMM19 [180]	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling		real-life, generated instance, industrial partner, real-world, benchmark	3							61	404
KucukY19 KucukY19 [279]	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem		benchmark, generated instance	0							62	466
LiuLH19 LiuLH19 [300]	Solving the Talent Scheduling Problem by Parallel Constraint Programming		CSPLib, benchmark	0							63	483
MalapertN19 MalapertN19 [322]	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications		generated instance, benchmark, industrial instance, Roadef	3							64	493
MurinR19 MurinR19 [343]	Scheduling of Mobile Robots Using Constraint Programming	CP Opt Cplex OPT.	real-life, benchmark, github	3	y		y		JSPT	endBeforeStart alternative noOverlap	65	504
ParkUJR19 ParkUJR19 [371]	Developing a Production Scheduling System for Modular Factory Using Constraint Programming		real-world	0							66	517
Tom19 Tom19 [448]	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling		real-world	0							67	557
YangSS19 YangSS19 [496]	Time Table Edge Finding with Energy Variables		generated instance	1							68	581
ArbaouiY18 ArbaouiY18 [14]	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming		benchmark	0							69	315
AstrandJZ18 AstrandJZ18 [24]	Fleet Scheduling in Underground Mines Using Constraint Programming			0							70	322
BenediktSMVH18 BenediktSMVH18 [71]	Energy-Aware Production Scheduling with Power-Saving Modes	CPO Gurobi	github, random instance, generated instance	1	y		y	-	Energy Aware Production Scheduling		71	339
DemirovicS18 DemirovicS18 [136]	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts		real-world, benchmark	5							72	378
He0GLW18 He0GLW18 [212]	A Fast and Scalable Algorithm for Scheduling Large Numbers of Devices Under Real-Time Pricing	Gurobi Python	real-world, bit-bucket	8	y		y	-	FSDN-DS DSP-MH-RTP		73	425
HoYCLLC18 HoYCLLC18 [230]	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints		real-world	0							74	436
KameugneFGOQ18 KameugneFGOQ18 [248]	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint		benchmark, real-world	0							75	449
Laborie18a Laborie18a [281]	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling		real-life, benchmark, real-world	0							76	469
MusliuSS18 MusliuSS18 [346]	Solver Independent Rotating Workforce Scheduling		generated instance, benchmark, real-life	2							77	507
NishikawaSTT18 NishikawaSTT18 [352]	Scheduling of Malleable Fork-Join Tasks with Constraint Programming		real-world, benchmark	0							78	509

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NishikawaSTT18a NishikawaSTT18a [353]	Scheduling of Malleable Tasks Based on Constraint Programming		real-world, benchmark, real-life	0							79	510
OuelletQ18 OuelletQ18 [364]	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning		benchmark, Roadeff	0							80	514
RiahiNS018 RiahiNS018 [393]	Local Search for Flowshops with Setup Times and Blocking Constraints		real-world, real-life, benchmark	0							81	530
Tesch18 Tesch18 [444]	Improving Energetic Propagations for Cumulative Scheduling		Roadeff	0							82	555
BofillCSV17 BofillCSV17 [84]	An Efficient SMT Approach to Solve MRCPPSP/max Instances with Tight Constraints on Resources		benchmark	2							83	345
CappartS17 CappartS17 [107]	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	CPO	bitbucket, random instance, real-life	1	y		n	-	Rescheduling Railway Traffic		84	360
CohenHB17 CohenHB17 [118]	(I Can Get) Satisfaction: Preference-Based Scheduling for Concert-Goers at Multi-venue Music Festivals			12							85	??
GelainPRVW17 GelainPRVW17 [183]	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems		CSPlib, real-life, benchmark	2							86	407
GoldwaserS17 GoldwaserS17 [192]	Optimal Torpedo Scheduling	Chuffed Gurobi	instance generator, github, generated instance	4	y		n	-	Torpedo Scheduling		87	413
Hooker17 Hooker17 [235]	Job Sequencing Bounds from Decision Diagrams		benchmark, random instance	0							88	440
KletzanderM17 KletzanderM17 [260]	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem			2							89	457
LiuCGM17 LiuCGM17 [301]	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Chuffed OR-Tools HCSP SA	github	11	n			-	NightSplit		90	481
Madi-WambaLOBM17 Madi-WambaLOBM17 [320]	Green Energy Aware Scheduling Problem in Virtualized Datacenters		real-world	0							91	491
MossigeGSMC17 MossigeGSMC17 [339]	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems		industrial partner, real-world, benchmark, random instance, CSPlib, generated instance	4							92	501
Pralet17 Pralet17 [384]	An Incomplete Constraint-Based System for Scheduling with Renewable Resources		benchmark	1							93	524
TranVNB17a TranVNB17a [458]	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots (Extended Abstract)		real-world	0							94	??
YoungFS17 YoungFS17 [498]	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem		benchmark, github, instance generator	6							95	582
BonfiettiZLM16 BonfiettiZLM16 [94]	The Multirate Resource Constraint		generated instance, github, industrial instance, benchmark, real-world	1							96	354

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
BoothNB16 BoothNB16 [95]	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes		real-world	0							97	355
BridiLBBM16 BridiLBBM16 [102]	DARDIS: Distributed And Randomized Dispatching and Scheduling			0							98	357
CauwelaertDMS16 CauwelaertDMS16 [110]	Efficient Filtering for the Unary Resource with Family-Based Transition Times		real-life, bit-bucket, benchmark	2							99	363
FontaineMH16 FontaineMH16 [162]	Parallel Composition of Scheduling Solvers		benchmark	2							100	391
GilesH16 GilesH16 [185]	Solving a Supply-Delivery Scheduling Problem with Constraint Programming			0							101	409
GingrasQ16 GingrasQ16 [186]	Generalizing the Edge-Finder Rule for the Cumulative Constraint		benchmark	0							102	410
HechingH16 HechingH16 [216]	Scheduling Home Hospice Care with Logic-Based Benders Decomposition		real-world	0							103	428
JelinekB16 JelinekB16 [241]	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station		real-life	2							104	444
LimHTB16 LimHTB16 [295]	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control		real-world	4							105	477
LuoVLBM16 LuoVLBM16 [317]	Using Metric Temporal Logic to Specify Scheduling Problems			0							106	??
Madi-WambaB16 Madi-WambaB16 [319]	The TaskIntersection Constraint		real-world, benchmark, random instance, generated instance	3							107	490
SchuttS16 SchuttS16 [412]	Explaining Producer/Consumer Constraints		benchmark	1							108	538
SzerediS16 SzerediS16 [433]	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling		benchmark	2							109	549
Tesch16 Tesch16 [443]	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $\mathcal{O}(n^2 \log n)$		Roadef	1							110	554
TranDRFWOVB16 TranDRFWOVB16 [454]	A Hybrid Quantum-Classical Approach to Solving Scheduling Problems			0							111	??
TranWDRFOVB16 TranWDRFOVB16 [459]	Explorations of Quantum-Classical Approaches to Scheduling a Mars Lander Activity Problem		benchmark	0							112	??
BartakV15 BartakV15 [44]	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints		real-world, real-life	0							113	330
BofillGSV15 BofillGSV15 [86]	MaxSAT-Based Scheduling of B2B Meetings		industrial instance	3							114	347
BurtLPS15 BurtLPS15 [104]	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feedrate Constraints: A Mine Planning Case Study		real-world, benchmark, industry partner	5							115	359
DejemeppeCS15 DejemeppeCS15 [133]	The Unary Resource with Transition Times		real-world, bitbucket, generated instance, benchmark	4							116	376
EvenSH15 EvenSH15 [152]	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling		real-life, real-world	0							117	389
GayHLS15 GayHLS15 [173]	Conflict Ordering Search for Scheduling Problems		benchmark, bit-bucket	0							118	399

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GayHS15	Simple and Scalable Time-Table Filtering for the Cumulative Constraint		bitbucket	2							119	400
GayHS15 [174]												
GayHS15a	Time-Table Disjunctive Reasoning for the Cumulative Constraint		benchmark, bitbucket, real-world	0							120	401
GayHS15a [175]												
KreterSS15	Modeling and Solving Project Scheduling with Calendars		benchmark	3							121	464
KreterSS15 [273]												
LimBTBB15	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings		benchmark	3							122	476
LimBTBB15 [296]												
LombardiBM15	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty		benchmark, real-world	0							123	484
LombardiBM15 [303]												
MelgarejoLS15	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems		real-world, benchmark	1							124	496
MelgarejoLS15 [6]												
MurphyMB15	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System		real-world	3							125	505
MurphyMB15 [344]												
PesantRR15	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem			1							126	520
PesantRR15 [375]												
PraletLJ15	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search			0							127	525
PraletLJ15 [385]												
SialaAH15	Two Clause Learning Approaches for Disjunctive Scheduling		github, benchmark	5							128	542
SialaAH15 [420]												
VilimLS15	Failure-Directed Search for Constraint-Based Scheduling		benchmark	8							129	571
VilimLS15 [478]												
ZhouGL15	On complex hybrid flexible flowshop scheduling problems based on constraint programming		real-world	0							130	587
ZhouGL15 [513]												
AlesioNBG14	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing		benchmark	2							131	311
AlesioNBG14 [140]												
BartoliniBBLM14	Proactive Workload Dispatching on the EURORA Supercomputer			4							132	331
BartoliniBBLM14 [45]												
BessiereHMQW14	Buffered Resource Constraint: Algorithms and Complexity		benchmark, real-life	0							133	342
BessiereHMQW14 [76]												
BofillEGPSV14	Scheduling B2B Meetings		industrial instance	6							134	346
BofillEGPSV14 [85]												
BonfiettiLM14	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!		real-world, benchmark	2							135	352
BonfiettiLM14 [92]												
DejemeppeD14	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling		bitbucket	0							136	377
DejemeppeD14 [134]												
DerrienP14	A New Characterization of Relevant Intervals for Energetic Reasoning		random instance	0							137	379
DerrienP14 [138]												
DerrienPZ14	A Declarative Paradigm for Robust Cumulative Scheduling		benchmark, random instance, real-world	0							138	380
DerrienPZ14 [139]												
DoulabiRP14	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling			0							139	383
DoulabiRP14 [144]												
FriedrichFMRSS14	Representing Production Scheduling with Constraint Answer Set Programming			0							140	No
FriedrichFMRSS14 [165]												
GaySS14	Continuous Casting Scheduling with Constraint Programming		real-life, CSPlib	0							141	402
GaySS14 [176]												

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HoundjiSWD14 HoundjiSWD14 [237]	The StockingCost Constraint		bitbucket, generated instance	0							142	442
KoschB14 KoschB14 [264]	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes		benchmark	0							143	459
LipovetzkyBPS14 LipovetzkyBPS14 [299]	Planning for Mining Operations with Time and Resource Constraints		industrial partner, real-life, industry partner, real-world, benchmark, generated instance	0							144	480
LouieVNB14 LouieVNB14 [314]	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities			0							145	No
BonfiettiLM13 BonfiettiLM13 [91]	De-Cycling Cyclic Scheduling Problems			0							146	351
ChuGNSW13 ChuGNSW13 [113]	On the Complexity of Global Scheduling Constraints under Structural Restrictions			0							147	366
CireCH13 CireCH13 [115]	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	CP Opt Cplex		1	dead		n	-			148	368
GuSS13 GuSS13 [204]	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	149	422
HeinzKB13 HeinzKB13 [219]	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling			0							150	430
KelarevaTK13 KelarevaTK13 [253]	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	MiniZinc CPX G12FD SICStus Choco	real-world	5	ref		-	-	LSFRP BPCTOP	alldifferent alldifferentExcept	151	452
LetortCB13 LetortCB13 [290]	A Synchronized Sweep Algorithm for the <i>k</i> -dimensional cumulative Constraint		Roadef, benchmark, random instance	2	PSPlib		-	-	RCPSP	cumulative kDimensionalCum	152	474
LombardiM13 LombardiM13 [310]	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling			0							153	488
OuelletQ13 OuelletQ13 [363]	Time-Table Extended-Edge-Finding for the Cumulative Constraint		benchmark	1							154	513
SchuttFS13 SchuttFS13 [407]	Scheduling Optional Tasks with Explanation		benchmark	1							155	535
SchuttFS13a SchuttFS13a [406]	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Mercury G12	benchmark	5	PSPlib AT BL Pack KSD15D PackD		-	-	RCPSP	cumulative	156	536
TranTDB13 TranTDB13 [456]	Hybrid Queueing Theory and Scheduling Models for Dynamic Environments with Sequence-Dependent Setup Times		real-world	0							157	??
BillautHL12 BillautHL12 [78]	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem		random instance	0							158	343
BonfiettiLBM12 BonfiettiLBM12 [89]	Global Cyclic Cumulative Constraint		benchmark	3							159	350
BonfiettiM12 BonfiettiM12 [93]	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem		industrial instance	0							160	353

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
GuSW12 GuSW12 [205]	Maximising the Net Present Value of Large Resource-Constrained Projects		benchmark	2							161	423
HeinzB12 HeinzB12 [218]	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling			0							162	429
IfrimOS12 IfrimOS12 [239]	Properties of Energy-Price Forecasts for Scheduling		real-life	1							163	443
LetortBC12 LetortBC12 [289]	A Scalable Sweep Algorithm for the cumulative Constraint		Roadef, benchmark, random instance	2							164	473
RendlPHPR12 RendlPHPR12 [392]	Hybrid Heuristics for Multimodal Homecare Scheduling		real-world, CSPLib, benchmark	2							165	529
SchuttCSW12 SchuttCSW12 [405]	Maximising the Net Present Value for Resource-Constrained Project Scheduling		benchmark	1							166	534
SerraNM12 SerraNM12 [415]	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach		benchmark, real-world	4							167	541
SimoninAHL12 SimoninAHL12 [421]	Scheduling Scientific Experiments on the Rosetta/Philae Mission	MOST Ilog Scheduler		0	n		n	-		cumulative dataTransfer	168	543
TranB12 TranB12 [453]	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups		benchmark	0							169	??
ZhangLS12 ZhangLS12 [510]	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method			0							170	585
BajestaniB11 BajestaniB11 [28]	Scheduling an Aircraft Repair Shop			0							171	??
BonfiettiLBM11 BonfiettiLBM11 [88]	A Constraint Based Approach to Cyclic RCPSP		generated instance, industrial instance, benchmark	3							172	349
ChapadosJR11 ChapadosJR11 [112]	Retail Store Workforce Scheduling by Expected Operating Income Maximization			0							173	365
ClercqPBJ11 ClercqPBJ11 [116]	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource		benchmark	1							174	369
EdisO11 EdisO11 [146]	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach			0							175	384
GrimesH11 GrimesH11 [197]	Models and Strategies for Variants of the Job Shop Scheduling Problem		benchmark	1							176	417
HeinzS11 HeinzS11 [221]	Explanations for the Cumulative Constraint: An Experimental Study		benchmark	1							177	431
HermenierDL11 HermenierDL11 [228]	Bin Repacking Scheduling in Virtualized Datacenters			1							178	434
KameugneFSN11 KameugneFSN11 [250]	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints		benchmark	1							179	451
LahimerLH11 LahimerLH11 [285]	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks		benchmark	2							180	471
LombardiBMB11 LombardiBMB11 [304]	Precedence Constraint Posting for Cyclic Scheduling Problems		benchmark, industrial instance, real-life	0							181	485
Vilim11 Vilim11 [475]	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources		benchmark	1							182	569

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
ZibranR11 ZibranR11 [515]	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach			0							183	589
ZibranR11a ZibranR11a [516]	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring			0							184	590
BertholdHLS10 BertholdHLS10 [75]	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling			1							185	341
CobanH10 CobanH10 [117]	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition			0							186	370
Davenport10 Davenport10 [126]	Integrated Maintenance Scheduling for Semiconductor Manufacturing			0							187	374
GrimesH10 GrimesH10 [196]	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach		benchmark	1							188	416
LombardiM10 LombardiM10 [307]	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution		real-world, benchmark	1							189	487
MakMS10 MakMS10 [321]	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems			0							190	492
SchuttW10 SchuttW10 [413]	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints		benchmark	1							191	539
SunLYL10 SunLYL10 [430]	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming			0							192	547
Acuna-AgostMFG09 Acuna-AgostMFG09 [4]	Constraint Programming and Mixed Integer Linear Programming for Rescheduling Trains under Disrupted Operations		Roadef	1							193	309
AronssonBK09 AronssonBK09 [17]	MILP formulations of cumulative constraints for railway scheduling - A comparative study		real-world, real-life	0							194	318
Baptiste09 Baptiste09 [31]	Constraint-Based Schedulers, Do They Really Work?			0							195	324
GrimesHM09 GrimesHM09 [199]	Closing the Open Shop: Contradicting Conventional Wisdom		benchmark	0							196	418
Laborie09 Laborie09 [280]	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems		real-world, benchmark	2							197	468
LombardiM09 LombardiM09 [305]	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations		real-world, instance generator	1							198	486
MonetteDH09 MonetteDH09 [336]	Just-In-Time Scheduling with Constraint Programming		benchmark	0							199	500
SchuttFSW09 SchuttFSW09 [408]	Why Cumulative Decomposition Is Not as Bad as It Sounds		benchmark, real-world	1							200	537
ThiruvadyBME09 ThiruvadyBME09 [445]	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling			0							201	556
Vilim09 Vilim09 [473]	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$			0							202	567
Vilim09a Vilim09a [474]	Max Energy Filtering Algorithm for Discrete Cumulative Resources			1							203	568
BarlattCG08 BarlattCG08 [37]	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems		real-world	1							204	327
BeldiceanuCP08 BeldiceanuCP08 [66]	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles		benchmark	0							205	336
DoomsH08 DoomsH08 [143]	Gap Reduction Techniques for Online Stochastic Project Scheduling			0							206	382

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
HentenryckM08 HentenryckM08 [227]	The Steel Mill Slab Design Problem Revisited		CSPLib	0							207	433
LauLN08 LauLN08 [287]	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)		benchmark, real-world	0							208	472
MouraSCL08 MouraSCL08 [341]	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network			0							209	502
MouraSCL08a MouraSCL08a [340]	Heuristics and Constraint Programming Hybridizations for a Real Pipeline Planning and Scheduling Problem		real-world, benchmark	0							210	503
PoderB08 PoderB08 [377]	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production			0							211	521
WatsonB08 WatsonB08 [487]	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem		benchmark, real-world	1							212	574
AkkerDH07 AkkerDH07 [463]	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems			0							213	310
BeldiceanuP07 BeldiceanuP07 [67]	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production			0							214	337
DavenportKRSH07 DavenportKRSH07 [127]	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing			0							215	375
GarganiR07 GarganiR07 [170]	An Efficient Model and Strategy for the Steel Mill Slab Design Problem		real-life, CSPLib	0							216	398
HoeveGSL07 HoeveGSL07 [466]	Optimal Multi-Agent Scheduling with Constraint Programming		benchmark	0							217	437
KeriK07 KeriK07 [255]	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method			2							218	453
KovacsB07 KovacsB07 [265]	A Global Constraint for Total Weighted Completion Time		benchmark	0							219	??
KrogtLPHJ07 KrogtLPHJ07 [465]	Scheduling for Cellular Manufacturing		real-world	0							220	465
Limtanyakul07 Limtanyakul07 [297]	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming		real-life	0							221	479
MonetteDD07 MonetteDD07 [335]	A Position-Based Propagator for the Open-Shop Problem		benchmark	0							222	499
RossiTHP07 RossiTHP07 [397]	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost			0							223	532
Beck06 Beck06 [48]	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling			0							224	No
BeniniBGM06 BeniniBGM06 [72]	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs		real-life	0							225	340
GomesHS06 GomesHS06 [195]	Constraint Programming for Distributed Planning and Scheduling		real-life	0							226	415
KhemmoudjPB06 KhemmoudjPB06 [257]	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages		real-world	0							227	454
KovacsV06 KovacsV06 [271]	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP		industrial partner, benchmark, generated instance	0							228	463

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
LiuJ06 LiuJ06 [302]	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming			0							229	482
QuSN06 QuSN06 [390]	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices			0							230	527
AbrilSB05 AbrilSB05 [3]	Distributed Constraints for Large-Scale Scheduling Problems			0							231	308
ArtiouchineB05 ArtiouchineB05 [21]	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs		generated instance, random instance	0							232	320
BeckW05 BeckW05 [57]	Proactive Algorithms for Scheduling with Probabilistic Durations			0							233	??
CarchraeBF05 CarchraeBF05 [108]	Methods to Learn Abstract Scheduling Models			0							234	361
ChuX05 ChuX05 [114]	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems			0							235	367
DilkinaDH05 DilkinaDH05 [141]	Extending Systematic Local Search for Job Shop Scheduling Problems			0							236	381
FortinZDF05 FortinZDF05 [163]	Interval Analysis in Scheduling			0							237	392
FrankK05 FrankK05 [164]	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations		benchmark	0							238	393
Geske05 Geske05 [184]	Railway Scheduling with Declarative Constraint Programming		real-life	0							239	408
GodardLN05 GodardLN05 [187]	Randomized Large Neighborhood Search for Cumulative Scheduling		benchmark	0							240	411
HebrardTW05 HebrardTW05 [215]	Computing Super-Schedules			0							241	427
Hooker05a Hooker05a [233]	Planning and Scheduling to Minimize Tardiness			0							242	439
KovacsEKV05 KovacsEKV05 [268]	Proterv-II: An Integrated Production Planning and Scheduling System		real-life	0							243	460
MoffittPP05 MoffittPP05 [333]	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints			0							244	498
QuirogaZH05 QuirogaZH05 [391]	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS			0							245	528
SchuttWS05 SchuttWS05 [414]	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$		benchmark	0							246	540
Vilim05 Vilim05 [472]	Computing Explanations for the Unary Resource Constraint		benchmark	4							247	566
Wolfs05 Wolfs05 [492]	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application		real-world	0							248	578
WuBB05 WuBB05 [494]	Scheduling with Uncertain Start Dates		benchmark	0							249	580
ArtiguesBF04 ArtiguesBF04 [18]	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times		benchmark	0							250	319
BeckW04 BeckW04 [56]	Job Shop Scheduling with Probabilistic Durations			0							251	No
HentenryckM04 HentenryckM04 [226]	Scheduling Abstractions for Local Search		benchmark	0							252	432
Hooker04 Hooker04 [231]	A Hybrid Method for Planning and Scheduling		random instance	0							253	438
KovacsV04 KovacsV04 [270]	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling		industrial partner, benchmark, real-life	0							254	462

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
LimRX04	Solving the Crane Scheduling Problem Using		generated	in-	0						255	478
LimRX04 [294]	Intelligent Search Schemes		stance									
MaraveliasG04	Using MILP and CP for the Scheduling of Batch				0						256	494
MaraveliasG04 [325]	Chemical Processes											
Sadykov04	A Hybrid Branch-And-Cut Algorithm for the				0						257	533
Sadykov04 [400]	One-Machine Scheduling Problem											
Vilim04 Vilim04 [471]	O(n log n) Filtering Algorithms for Unary		benchmark	1							258	565
	Resource Constraint											
VilimBC04	Unary Resource Constraint with Optional		benchmark,	0							259	570
VilimBC04 [476]	Activities		real-life									
VillaverdeP04	An Investigation of Scheduling in Distributed			0							260	No
VillaverdeP04 [479]	Constraint Logic Programming											
WolinskiKG04	A Constraints Programming Approach to			0							261	579
WolinskiKG04 [493]	Communication Scheduling on SoPC											
	Architectures											
BeckPS03	Vehicle Routing and Job Shop Scheduling:			0							262	No
BeckPS03 [54]	What's the Difference?											
DannaP03	Structured vs. Unstructured Large		benchmark	0							263	373
DannaP03 [124]	Neighborhood Search: A Case Study on											
	Job-Shop Scheduling Problems with Earliness											
	and Tardiness Costs											
Kumar03	Incremental Computation of Resource-Envelopes			0							264	467
Kumar03 [278]	in Producer-Consumer Models											
OddiPCC03	Generating High Quality Schedules for a		benchmark	0							265	512
OddiPCC03 [362]	Spacecraft Memory Downlink Problem											
ValleMGT03	On Selecting and Scheduling Assembly Plans		real-life	0							266	560
ValleMGT03 [462]	Using Constraint Programming											
Vilim03 Vilim03 [470]	Computing Explanations for Global Scheduling			0							267	564
	Constraints											
Wolf03 Wolf03 [491]	Pruning while Sweeping over Task Intervals		benchmark	0							268	577
Bartak02 Bartak02 [39]	Visopt ShopFloor: On the Edge of Planning and		real-life	0							269	328
	Scheduling											
Bartak02a	Visopt ShopFloor: Going Beyond Traditional		benchmark,	0							270	329
Bartak02a [38]	Scheduling		real-life									
BeldiceanuC02	A New Multi-resource cumulatives Constraint		real-life, ran-	0							271	335
BeldiceanuC02 [64]	with Negative Heights		dom instance, benchmark									
ElkhyariGJ02	Conflict-Based Repair Techniques for Solving			0							272	386
ElkhyariGJ02 [148]	Dynamic Scheduling Problems											
ElkhyariGJ02a	Solving Dynamic Resource Constraint Project		benchmark,	0							273	387
ElkhyariGJ02a [149]	Scheduling Problems Using New Constraint		real-life									
	Programming Tools											
HookerY02	A Relaxation of the Cumulative Constraint			0							274	441
HookerY02 [236]												
KamarainenS02	Local Probing Applied to Scheduling		real-world,	2							275	448
KamarainenS02 [246]			benchmark									
Muscettola02	Computing the Envelope for Stepwise-Constant			0							276	506
Muscettola02 [345]	Resource Allocations											
Vilim02 Vilim02 [469]	Batch Processing with Sequence Dependent			0							277	563
	Setup Times											
ZhuS02 ZhuS02 [514]	A Meeting Scheduling System Based on Open			0							278	588
	Constraint Programming											
VanczaM01	A Constraint Engine for Manufacturing Process		real-life, real-	0							279	561
VanczaM01 [467]	Planning		world									

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
VerfaillieL01	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View			0							280	562
VerfaillieL01 [468]												
AngelsmarkJ00	Some Observations on Durations, Scheduling and Allen's Algebra			0							281	312
AngelsmarkJ00 [11]												
FocacciLN00	Solving Scheduling Problems with Setup Times and Alternative Resources		real-world	0							282	390
FocacciLN00 [161]												
KorbaaYG99	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming			0							283	458
KorbaaYG99 [262]												
CestaOS98	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints			0							284	364
CestaOS98 [111]												
FrostD98 FrostD98 [168]	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units			0							285	396
GruianK98	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming		benchmark	0							286	421
GruianK98 [203]												
PembertonG98	A constraint-based approach to satellite scheduling			0							287	518
PembertonG98 [372]												
RodosekW98	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems		benchmark	0							288	531
RodosekW98 [394]												
BaptisteP97	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems		benchmark	0							289	326
BaptisteP97 [34]												
BeckDF97	Five Pitfalls of Empirical Scheduling Research		benchmark, real-world	0							290	333
BeckDF97 [50]												
BoucherBVBL97	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem			0							291	No
BoucherBVBL97 [97]												
Caseau97	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel		benchmark	0							292	362
Caseau97 [109]												
PapeB97 PapeB97 [369]	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling			0							293	No
BrusoniCLMMT96	Resource-Based vs. Task-Based Approaches for Scheduling Problems			0							294	358
BrusoniCLMMT96 [103]												
Colombani96	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem			0							295	372
Colombani96 [122]												
Zhou96 Zhou96 [511]	A Constraint Program for Solving the Job-Shop Problem			0							296	586
Goltz95 Goltz95 [194]	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling		benchmark	0							297	414
Puget95 Puget95 [387]	Applications of Constraint Programming		benchmark	0							298	526
Simonis95	The CHIP System and Its Applications			0							299	544
Simonis95 [423]												
SimonisC95	Modelling Producer/Consumer Constraints		real-life	0							300	545
SimonisC95 [425]												
Touraivane95	Constraint Programming and Industrial Applications		real-life	0							301	559
Touraivane95 [451]												
JourdanFRD94	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming			0							302	No
JourdanFRD94 [242]												
NuijtenA94	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling			0							303	511
NuijtenA94 [360]												

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
Wallace94 Wallace94 [481]	Applying Constraints for Scheduling			0							304	No
BaptisteLV92 BaptisteLV92 [36]	Hoist scheduling problem: an approach based on constraint logic programming			0							305	325
ErtlK91 ErtlK91 [150]	Optimal Instruction Scheduling using Constraint Logic Programming		real-world, benchmark	0							306	388

3 Journal Articles

3.1 Articles from bibtex

Table 5: Works from bibtex (Total 197)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
PrataAN23	PrataAN23	Bruno A. Prata, Levi R. Abreu, Marcelo S. Nagano	Yes	[386]	2024	Results in Control and Optimization	17	1210	1266
abs-2402-00459	abs-2402-00459	S. Nguyen, Dhananjay R. Thiruvady, Y. Sun, M. Zhang	Yes	[351]	2024	CoRR	21	1265	1267
AbreuNP23	AbreuNP23	Levi Ribeiro de Abreu, Marcelo Seido Nagano, Bruno A. Prata	Yes	[130]	2023	Int. J. Prod. Res.	20	1097	1268
AkramNHRSA23	AkramNHRSA23	Bilal Omar Akram, Nor Kamariah Noordin, F. Hashim, Mohd Fadlee A. Rasid, Mustafa Ismael Salman, Abdulrahman M. Abdulghani	Yes	[7]	2023	IEEE Access	16	1099	1269
AlfieriGPS23	AlfieriGPS23	A. Alfieri, M. Garraffa, E. Pastore, F. Salassa	Yes	[9]	2023	Computers and Industrial Engineering	13	1100	1270
Caballero23	Caballero23	Jordi Coll Caballero	Yes	[105]	2023	Constraints An Int. J.	1	1124	1271
CzerniachowskaWZ23	CzerniachowskaWZ23	C. Kateryna, W. Radosław, Żywicki, Krzysztof	Yes	[123]	2023	Advances in Science and Technology Research Journal	14	1127	1272
GurPAE23	GurPAE23	S. Gür, M. Pinarbasi, Haci Mehmet Alakas, T. Eren	Yes	[206]	2023	Central Eur. J. Oper. Res.	25	1147	1273
IsikYA23	IsikYA23	Eyüp Ensar Isik, Seyda Topaloglu Yildiz, Özge Satir Akpunar	Yes	[240]	2023	Soft Comput.	28	1159	1274
LacknerMMWW23	LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Yes	[284]	2023	Constraints An Int. J.	42	1172	1275
MontemanniD23	MontemanniD23	R. Montemanni, M. Dell'Amico	Yes	[338]	2023	Algorithms	13	1190	1276
MontemanniD23a	MontemanniD23a	R. Montemanni, M. Dell'Amico	Yes	[337]	2023	EURO J. Comput. Optim.	20	1191	1277
NaderiRR23	NaderiRR23	N. Bahman, R. Rubén, R. Vahid	Yes	[347]	2023	INFORMS Journal on Computing	27	1193	1278
ShaikhK23	ShaikhK23	Aftab Ahmed Shaikh, Abdullah Ayub Khan	Yes	[416]	2023	Int. J. Electron. Secur. Digit. Forensics	12	1223	1279
YuraszcekMCCR23	YuraszcekMCCR23	F. Yuraszcek, E. Montero, D. Canut-de-Bon, N. Cuneo, M. Rojel	Yes	[502]	2023	IEEE Access	11	1245	1280
abs-2305-19888	abs-2305-19888	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek	Yes	[224]	2023	CoRR	42	1262	1281
abs-2306-05747	abs-2306-05747	P. Tassel, M. Gebser, K. Schekotihin	Yes	[438]	2023	CoRR	9	1263	1282
abs-2312-13682	abs-2312-13682	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	Yes	[374]	2023	CoRR	20	1264	1283
AbreuN22	AbreuN22	Levi Ribeiro de Abreu, Marcelo Seido Nagano	Yes	[129]	2022	Comput. Ind. Eng.	20	1096	1284
BourreauGGLT22	BourreauGGLT22	E. Bourreau, T. Garaix, M. Gondran, P. Lacomme, N. Tchernev	Yes	[99]	2022	Int. J. Prod. Res.	19	1122	1285
CampeauG22	CampeauG22	L. Campeau, M. Gamache	Yes	[106]	2022	Constraints An Int. J.	18	1125	1286

Table 5: Works from bibtex (Total 197)

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
PandeyS21a PandeyS21a	V. Pandey, P. Saini	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization	Yes	[368]	2021	J. Supercomput.	29	1204	1306
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	[388]	2021	IEEE Trans Autom. Sci. Eng.	12	1212	1307
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[480]	2021	Comput. Ind. Eng.	14	1238	1308
ZhangYW21 ZhangYW21	L. Zhang, C. Yu, T. N. Wong	A graph-based constraint programming approach for the integrated process planning and scheduling problem	Yes	[508]	2021	Comput. Oper. Res.	10	1251	1309
abs-2102-08778 abs-2102-08778	Giacomo Da Col, E. Teppan	Large-Scale Benchmarks for the Job Shop Scheduling Problem	Yes	[119]	2021	CoRR	10	1260	1310
AlizdehS20 AlizdehS20	S. Alizdeh, S. Saeidi	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming	No	[10]	2020	Int. J. Adv. Intell. Paradigms	14	No	1311
AstrandJZ20 AstrandJZ20	M. Åstrand, M. Johansson, A. Zanarini	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search	Yes	[25]	2020	Comput. Oper. Res.	13	1102	1312
BadicaBI20 BadicaBI20	A. Badica, C. Badica, M. Ivanovic	Block structured scheduling using constraint logic programming	Yes	[26]	2020	AI Commun.	17	1103	1313
BenediktMH20 BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	Yes	[70]	2020	Constraints An Int. J.	19	1115	1314
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	[156]	2020	International Journal of Applied Management Science	18	1135	1315
LunardiBLRV20 LunardiBLRV20	William T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem	Yes	[315]	2020	Comput. Oper. Res.	20	1183	1316
MejiaY20 MejiaY20	G. Mejía, F. Yuraszek	A self-tuning variable neighborhood search algorithm and an effective decoding scheme for open shop scheduling problems with travel/setup times	Yes	[329]	2020	Eur. J. Oper. Res.	13	1187	1317
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	[331]	2020	Comput. Ind. Eng.	13	1188	1318
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	[334]	2020	Int. J. Comput. Integr. Manuf.	14	1189	1319
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	[380]	2020	Int. J. Prod. Res.	18	1208	1320
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	[389]	2020	Eur. J. Oper. Res.	18	1211	1321
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	[399]	2020	Oper. Res. Forum	33	1216	1322
WallaceY20 WallaceY20	M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem	Yes	[483]	2020	Constraints An Int. J.	19	1240	1323
ZouZ20 ZouZ20	X. Zou, L. Zhang	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic	Yes	[517]	2020	Automation in Construction	10	1253	1324
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	[151]	2019	Comput. Chem. Eng.	10	1131	1325
GurEA19 GurEA19	Şeyda Gür, T. Eren, Hacı Mehmet Alakaş	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study	Yes	[518]	2019	Mathematics	24	1146	1326

Table 5: Works from bibtex (Total 197)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
NishikawaSTT19 NishikawaSTT19	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	A Constraint Programming Approach to Scheduling of Malleable Tasks	Yes	[354]	2019	Int. J. Netw. Comput.	16	1196	1327
Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[356]	2019	Comput. Ind. Eng.	13	1198	1328
WikarekS19 WikarekS19	J. Wikarek, P. Sitek	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems	Yes	[489]	2019	Vietnam. J. Comput. Sci.	22	1242	1329
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	[497]	2019	Operations research for health care	11	1243	1330
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	[62]	2019	CoRR	8	1256	1331
abs-1902-01193 abs-1902-01193	O. M. Alade, A. O. Amusat	Solving Nurse Scheduling Problem Using Constraint Programming Technique	Yes	[8]	2019	CoRR	9	1257	1332
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	[211]	2019	CoRR	62	1258	1333
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	[179]	2019	CoRR	16	1259	1334
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[32]	2018	Discret. Appl. Math.	10	1104	1335
BorghesiBLMB18 BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[96]	2018	Sustain. Comput. Informatics Syst.	13	1121	1336
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	[154]	2018	Constraints An Int. J.	22	1133	1337
GedikKEK18 GedikKEK18	R. Gedik, D. Kalathia, G. Egilmez, E. Kirac	A constraint programming approach for solving unrelated parallel machine scheduling problem	Yes	[177]	2018	Comput. Ind. Eng.	11	1141	1338
GokgurHO18 GokgurHO18	B. Gökgür, B. Hnich, S. Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	Yes	[191]	2018	Int. J. Prod. Res.	17	1143	1339
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[193]	2018	J. Artif. Intell. Res.	32	1144	1340
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	[208]	2018	Transportation Research Part C: Emerging Technologies	14	1149	1341
KreterSSZ18 KreterSSZ18	S. Kreter, A. Schutt, Peter J. Stuckey, J. Zimmermann	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems	No	[275]	2018	Eur. J. Oper. Res.	15	No	1342
LaborieRSV18 LaborieRSV18	P. Laborie, J. Rogerie, P. Shaw, P. Vilfm	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	Yes	[282]	2018	Constraints An Int. J.	41	1171	1343
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	[382]	2018	Eur. J. Oper. Res.	12	1209	1344
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	[418]	2018	IEEE Trans. Syst. Man Cybern. Syst.	16	1224	1345
TangLWSK18 TangLWSK18	Y. Tang, R. Liu, F. Wang, Q. Sun, Amr A. Kandil	Scheduling Optimization of Linear Schedule with Constraint Programming	Yes	[435]	2018	Comput. Aided Civ. Infrastructure Eng.	28	1231	1346
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	[455]	2018	J. Sched.	17	??	1347

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
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	[509]	2018	IEEE Trans. Engineering Management	18	1250	1348
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[274]	2017	Constraints An Int. J.	31	1169	1349
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[349]	2017	Constraints An Int. J.	18	1195	1350
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	[457]	2017	J. Artif. Intell. Res.	68	??	1351
BlomPS16 BlomPS16	Michelle L. Blom, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods	No	[82]	2016	Manag. Sci.	26	No	1352
Bonfietti16 Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	Yes	[87]	2016	Intelligenza Artificiale	13	1119	1353
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[101]	2016	IEEE Trans. Parallel Distributed Syst.	14	1123	1354
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	[145]	2016	INFORMS J. Comput.	17	1130	1355
HebrardHJMPV16 HebrardHJMPV16	E. Hebrard, M. Huguet, N. Jozefowicz, A. Maillard, C. Pralet, G. Verfaillie	Approximation of the parallel machine scheduling problem with additional unit resources	Yes	[214]	2016	Discret. Appl. Math.	10	1151	1356
KuB16 KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	No	[276]	2016	Comput. Oper. Res.	9	No	1357
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	[355]	2016	Comput. Chem. Eng.	17	1197	1358
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	No	[452]	2016	INFORMS J. Comput.	13	No	1359
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	[503]	2016	J. Intell. Manuf.	17	1247	1360
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	[30]	2015	J. Sched.	16	??	1361
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[153]	2015	CoRR	16	1132	1362
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	[190]	2015	Eur. J. Oper. Res.	12	1142	1363
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	No	[198]	2015	INFORMS J. Comput.	17	No	1364
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[247]	2015	Constraints An Int. J.	2	1160	1365
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[291]	2015	Constraints An Int. J.	52	1174	1366
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[348]	2015	Constraints An Int. J.	21	1194	1367
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[419]	2015	Constraints An Int. J.	2	1225	1368
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[422]	2015	Constraints An Int. J.	23	1226	1369
WangMD15 WangMD15	T. Wang, N. Meskens, D. Duvivier	Scheduling operating theatres: Mixed integer programming vs. constraint programming	Yes	[486]	2015	Eur. J. Oper. Res.	13	1241	1370
BlomBPS14 BlomBPS14	Michelle L. Blom, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines	No	[81]	2014	INFORMS J. Comput.	19	No	1371

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BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[90]	2014	Artif. Intell.	28	1120	1372
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[200]	2014	Sustain. Comput. Informatics Syst.	16	1145	1373
KameugneFSN14 KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[251]	2014	Constraints An Int. J.	27	1161	1374
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[359]	2014	Expert Syst. Appl.	14	1201	1375
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[442]	2014	J. Artif. Intell. Res.	38	??	1376
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	[446]	2014	J. Heuristics	34	1232	1377
BajestaniB13 BajestaniB13	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources	Yes	[29]	2013	J. Artif. Intell. Res.	36	??	1378
BegB13 BegB13	Mirza Omer Beg, Peter van Beek	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures	Yes	[60]	2013	ACM Trans. Embed. Comput. Syst.	23	1111	1379
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[222]	2013	Constraints An Int. J.	36	1153	1380
OzturkTHO13 OzturkTHO13	C. Öztürk, S. Tunali, B. Hnich, M. Arslan Ornek	Balancing and scheduling of flexible mixed model assembly lines	Yes	[367]	2013	Constraints An Int. J.	36	1203	1381
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[411]	2013	J. Sched.	17	1222	1382
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[220]	2012	Constraints An Int. J.	12	1154	1383
LimtanyakulS12 LimtanyakulS12	K. Limtanyakul, U. Schwiegelshohn	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Yes	[298]	2012	Constraints An Int. J.	32	1176	1384
LombardiIM12 LombardiIM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[309]	2012	Constraints An Int. J.	35	1178	1385
LombardiIM12a LombardiIM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[308]	2012	Artif. Intell.	10	1179	1386
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	[358]	2012	Comput. Chem. Eng.	17	1200	1387
TerekhovDOB12 TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	No	[441]	2012	Comput. Ind. Eng.	15	No	1388
BandaSC11 BandaSC11	Maria García de la Banda, Peter J. Stuckey, G. Chu	Solving Talent Scheduling with Dynamic Programming	No	[131]	2011	INFORMS J. Comput.	18	No	1389
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[42]	2011	Constraints An Int. J.	5	1107	1390
BeckFW11 BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	Yes	[51]	2011	INFORMS J. Comput.	14	1109	1391
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demasse, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[65]	2011	Ann. Oper. Res.	24	1113	1392
BeniniLMR11 BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[73]	2011	Ann. Oper. Res.	27	1116	1393
HachemiGR11 HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[207]	2011	Ann. Oper. Res.	16	1148	1394
HeckmanB11 HeckmanB11	I. Heckman, J. Christopher Beck	Understanding the behavior of Solution-Guided Search for job-shop scheduling	Yes	[217]	2011	J. Sched.	20	??	1395
KelbelH11 KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[254]	2011	J. Intell. Manuf.	10	1162	1396
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[267]	2011	Constraints An Int. J.	24	1167	1397

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KovacsK11 KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[269]	2011	Constraints An Int. J.	24	1168	1398
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	[403]	2011	Constraints An Int. J.	23	1219	1399
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[410]	2011	Constraints An Int. J.	33	1221	1400
TopalogluO11 TopalogluO11	S. Topaloglu, I. Ozkarahan	A constraint programming-based solution approach for medical resident scheduling problems	Yes	[449]	2011	Comput. Oper. Res.	10	1234	1401
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	[460]	2011	Comput. Ind. Eng.	7	1235	1402
BartakCS10 BartakCS10	R. Barták, O. Cepek, P. Surynek	Discovering implied constraints in precedence graphs with alternatives	Yes	[41]	2010	Ann. Oper. Res.	31	1106	1403
BartakSR10 BartakSR10	R. Barták, Miguel A. Salido, F. Rossi	New trends in constraint satisfaction, planning, and scheduling: a survey	Yes	[43]	2010	Knowl. Eng. Rev.	31	1108	1404
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[306]	2010	Artif. Intell.	30	1177	1405
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	[311]	2010	Constraints An Int. J.	39	1180	1406
Novash10 Novash10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[357]	2010	Comput. Chem. Eng.	20	1199	1407
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	[505]	2010	Eng. Appl. Artif. Intell.	20	1249	1408
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	[409]	2010	CoRR	37	1255	1409
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[77]	2009	J. Sched.	30	??	1410
BocewiczBB09 BocewiczBB09	G. Bocewicz, I. Bach, Zbigniew Antoni Banaszak	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling	Yes	[83]	2009	Int. J. Intell. Inf. Database Syst.	19	1118	1411
GarridoAO09 GarridoAO09	A. Garrido, M. Arangú, E. Onaindia	A constraint programming formulation for planning: from plan scheduling to plan generation	Yes	[171]	2009	J. Sched.	30	1139	1412
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	[398]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	1215	1413
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	No	[495]	2009	Comput. Oper. Res.	9	No	1414
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[376]	2009	CoRR	12	1254	1415
GarridoOS08 GarridoOS08	A. Garrido, E. Onaindia, Óscar Sapena	Planning and scheduling in an e-learning environment. A constraint-programming-based approach	Yes	[172]	2008	Eng. Appl. Artif. Intell.	11	1140	1416
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[266]	2008	Eng. Appl. Artif. Intell.	7	1166	1417
LiessM08 LiessM08	O. Liess, P. Michelon	A constraint programming approach for the resource-constrained project scheduling problem	Yes	[293]	2008	Ann. Oper. Res.	12	1175	1418
MalikMB08 MalikMB08	Abid M. Malik, J. McInnes, Peter van Beek	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming	Yes	[324]	2008	Int. J. Artif. Intell. Tools	18	1184	1419
Beck07 Beck07	J. Christopher Beck	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling	Yes	[49]	2007	J. Artif. Intell. Res.	29	??	1420
BeckW07 BeckW07	J. Christopher Beck, N. Wilson	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations	Yes	[58]	2007	J. Artif. Intell. Res.	50	??	1421
Rodriguez07 Rodriguez07	J. Rodriguez	A constraint programming model for real-time train scheduling at junctions	Yes	[396]	2007	Transportation Research Part B: Methodological	15	1213	1422

Table 5: Works from bibtex (Total 197)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
Simonis07	Simonis07	H. Simonis	Yes	[424]	2007	Constraints An Int. J.	30	1227	1423
Hooker06	Hooker06	John N. Hooker	Yes	[234]	2006	Constraints An Int. J.	19	1157	1424
KhayatLR06	KhayatLR06	Ghada El Khayat, A. Langevin, D. Riopel	Yes	[256]	2006	Eur. J. Oper. Res.	15	1163	1425
SadykovW06	SadykovW06	R. Sadykov, Laurence A. Wolsey	Yes	[401]	2006	INFORMS J. Comput.	9	1217	1426
SureshMOK06	SureshMOK06	S. Sundaram, V. Mani, S. N. Omkar, H. J. Kim	Yes	[431]	2006	Int. J. Parallel Emergent Distributed Syst.	19	1230	1427
Hooker05	Hooker05	John N. Hooker	Yes	[232]	2005	Constraints An Int. J.	17	1156	1428
VilimBC05	VilimBC05	P. Vilím, R. Barták, O. Cepek	Yes	[477]	2005	Constraints An Int. J.	23	1237	1429
ZeballosH05	ZeballosH05	L. Zeballos, Gabriela P. Henning	Yes	[504]	2005	Inteligencia Artif.	10	1248	1430
PoderBS04	PoderBS04	E. Poder, N. Beldiceanu, E. Sanlaville	Yes	[378]	2004	Eur. J. Oper. Res.	16	1206	1431
BeckR03	BeckR03	J. Christopher Beck, P. Refalo	Yes	[55]	2003	Ann. Oper. Res.	23	??	1432
KuchcinskiW03	KuchcinskiW03	K. Kuchcinski, C. Wolinski	Yes	[277]	2003	J. Syst. Archit.	15	1170	1433
Tsang03	Tsang03	Edward P. K. Tsang	Yes	[461]	2003	J. Sched.	2	1236	1434
LorigeonBB02	LorigeonBB02	T. Lorigeon, J. Billaut, J. Bouquard	Yes	[313]	2002	J. Oper. Res. Soc.	8	1182	1435
RodriguezDG02	RodriguezDG02	J. Rodriguez, X. Delorme, X. Gandibleux	Yes	[395]	2002	Computers in Railways VIII	10	1214	1436
Timpe02	Timpe02	C. Timpe	Yes	[447]	2002	OR Spectr.	18	1233	1437
MartinPY01	MartinPY01	F. Martin, A. Pinkney, X. Yu	Yes	[326]	2001	Ann. Oper. Res.	17	1185	1438
Mason01	Mason01	Andrew J. Mason	Yes	[327]	2001	Ann. Oper. Res.	38	1186	1439
ArtiguesR00	ArtiguesR00	C. Artigues, F. Roubellat	Yes	[20]	2000	Eur. J. Oper. Res.	20	1101	1440
BaptisteP00	BaptisteP00	P. Baptiste, Claude Le Pape	Yes	[35]	2000	Constraints An Int. J.	21	1105	1441
BeckF00	BeckF00	J. Christopher Beck, Mark S. Fox	Yes	[53]	2000	Artif. Intell.	51	??	1442
HeipckeCCS00	HeipckeCCS00	S. Heipcke, Y. Colombani, Cristina C. B. Cavalcante, Cid C. de Souza	Yes	[225]	2000	Constraints An Int. J.	8	1155	1443
KorbaaYG00	KorbaaYG00	O. Korbaa, P. Yim, J. Gentina	Yes	[263]	2000	Eur. J. Control	10	1165	1444
LopezAKYG00	LopezAKYG00	P. Lopez, H. Alla, O. Korbaa, P. Yim, J. Gentina	Yes	[312]	2000	Eur. J. Control	4	1181	1445

Table 5: Works from bibtex (Total 197)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[402]	2000	Constraints An Int. J.	30	1218	1446
SchildW00 SchildW00	K. Schild, J. Würtz	Scheduling of Time-Triggered Real-Time Systems	Yes	[404]	2000	Constraints An Int. J.	23	1220	1447
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[426]	2000	INFORMS J. Comput.	12	1228	1448
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	Yes	[74]	1999	Constraints An Int. J.	7	1117	1449
BeckF98 BeckF98	J. Christopher Beck, Mark S. Fox	A Generic Framework for Constraint-Directed Search and Scheduling	Yes	[52]	1998	AI Mag.	30	??	1450
BelhadjiI98 BelhadjiI98	S. Belhadji, A. Isli	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	Yes	[68]	1998	Constraints An Int. J.	9	1114	1451
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[361]	1998	J. Heuristics	16	1202	1452
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[370]	1998	Constraints An Int. J.	25	1205	1453
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	[125]	1997	Constraints An Int. J.	20	1128	1454
FalaschiGMP97 FalaschiGMP97	M. Falaschi, M. Gabbrielli, K. Marriott, C. Palamidessi	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators	Yes	[155]	1997	Inf. Comput.	27	1134	1455
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[286]	1997	Artif. Intell. Eng.	15	1173	1456
Zhou97 Zhou97	J. Zhou	A Permutation-Based Approach for Solving the Job-Shop Problem	Yes	[512]	1997	Constraints An Int. J.	29	1252	1457
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[482]	1996	Constraints An Int. J.	30	1239	1458
BeldiceanuC94 BeldiceanuC94	N. Beldiceanu, E. Contejean	Introducing Global Constraints in CHIP	Yes	[63]	1994	Mathematical and Computer Modelling	27	1112	1459
AggounB93 AggounB93	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	Yes	[5]	1993	Mathematical and Computer Modelling	17	1098	1460
Tay92 Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	No	[439]	1992	Comput. J.	null	No	1461
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[142]	1990	J. Log. Program.	19	1129	1462

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		930	1299
AbreuAPNM21 [128]	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		931	1300
AbreuN22 [129]	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		915	1284
AbreuNP23 [130]	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	899	1268
AggounB93 [5]	17	task, machine, precedence, order, job, activity, due-date, job-shop, flow-shop, resource, scheduling		circuit, bin-packing, dis-junctive, cumulative	Prolog	OPL, CHIP	perfect-square, rectangle-packing		real-world		1091	1460
AkramNHRSA23 [7]	16	resource, completion-time, preempt, scheduling, order, machine, task, distributed		cycle, bin-packing	Python	OR-Tools	medical, agriculture		benchmark		900	1269
AlfieriGPS23 [9]	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		901	1270
ArtiguesR00 [20]	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					1071	1440

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
AstrandJZ20 [25]	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		943	1312
BadicaBI20 [26]	17	machine, activity, make-span, manpower, completion-time, resource, precedence, scheduling, distributed, task, order	psplib	bin-packing, cycle	Prolog	Gecode, ECLiPSe			real-world, benchmark		944	1313
BajestaniB13 [29]	36	due-date, earliness, inventory, job, job-shop, machine, make-span, order, precedence, preempt, re-scheduling, resource, scheduling, setup-time, tardiness, transportation	parallel machine, single machine	alwaysIn, circuit, cumulative		Cplex, OZ	aircraft, railway				1009	1378
BajestaniB15 [30]	16	activity, completion-time, distributed, due-date, flow-shop, flow-time, job, job-shop, machine, make-span, order, precedence, preempt, resource, scheduling, sequence dependent setup, setup-time, tardiness	single machine	circuit, cumulative, disjunctive		Cplex, OZ	railway, robot, semiconductor		real-world		992	1361
BaptisteB18 [32]	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	966	1335
BaptisteP00 [35]	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	1072	1441
BartakCS10 [41]	31	resource, setup-time, task, job-shop, scheduling, machine, activity, flow-shop, order, job, precedence	RCPSP	disjunctive	Prolog	SICStus			benchmark, real-life, real-world		1034	1403
BartakS11 [42]	5	distributed, resource, scheduling, task, multi-agent, order		cumulative		OPL			random instance, real-world, real-life		1021	1390
BartakSR10 [43]	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	1035	1404
Beck07 [49]	29	activity, flow-shop, job, job-shop, machine, make-span, order, precedence, resource, scheduling, tardiness		disjunctive		Ilog Scheduler			benchmark		1051	1420

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BeckF00 [53]	51	activity, due-date, inventory, job, job-shop, machine, make-span, order, precedence, preempt, release-date, resource, scheduling, task, transportation	single machine	cumulative, disjunctive			robot		benchmark, real-world	edge-finding, not-first, not-last	1073	1442
BeckF98 [52]	30	activity, distributed, due-date, inventory, job, job-shop, machine, make-span, multi-agent, order, precedence, preempt, re-scheduling, release-date, resource, scheduling, tardiness, task	single machine	circuit, cumulative, disjunctive	Prolog		robot		benchmark, real-world	edge-finding	1081	1450
BeckFW11 [51]	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		1022	1391
BeckR03 [55]	23	activity, completion-time, due-date, earliness, flow-shop, flow-time, inventory, job, job-shop, machine, make-span, order, precedence, re-scheduling, release-date, resource, scheduling, tardiness		disjunctive		Cplex, Ilog Scheduler, Ilog Solver	hoist		benchmark	edge-finder	1063	1432
BeckW07 [58]	50	activity, distributed, flow-shop, flow-time, job, job-shop, machine, make-span, no preempt, order, precedence, preempt, re-scheduling, resource, scheduling, tardiness, task	RCPSP, single machine			Ilog Scheduler	robot		benchmark	edge-finder, edge-finding	1052	1421
Bedhief21 [59]	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		932	1301
BegB13 [60]	23	scheduling, re-scheduling, machine, resource, task, completion-time, order, distributed	TMS	cycle			pipeline		benchmark		1010	1379
BeldiceanuC94 [63]	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		1090	1459
BeldiceanuCDP11 [65]	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	1023	1392

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BelhadjiI98 [68]	9	precedence, release-date, job-shop, order, job, scheduling, resource, task, machine, preempt, due-date	Temporal Constraint Satisfaction Problem, TCSP, JSSP	disjunctive					real-life		1082	1451
BenediktMH20 [70]	19	preempt, order, job, re-scheduling, task, job-shop, scheduling, machine	single machine	noOverlap, endBeforeStart		Gurobi	robot		github, benchmark, random instance, generated instance		945	1314
BeniniLMR11 [73]	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		1024	1393
BensanaLV99 [74]	7	order		cycle		Cplex, Ilog Solver	satellite, earth observation		benchmark		1080	1449
BidotVLB09 [77]	30	activity, distributed, due-date, inventory, job, job-shop, machine, make-span, order, precedence, re-scheduling, release-date, resource, scheduling, tardiness, task	JSSP	cumulative, disjunctive	C++	Ilog Scheduler, OPL	robot		real-life, real-world	edge-finder, edge-finding	1041	1410
BocewiczBB09 [83]	19	job-shop, resource, multi-agent, precedence, scheduling, machine, transportation, order, tardiness, job, task, distributed, completion-time		cycle		OZ	robot			not-last	1042	1411
Bonfietti16 [87]	13	order, activity, scheduling, resource, task, distributed, precedence		disjunctive, cumulative, circuit	C++	OZ	pipeline		benchmark		984	1353
BonfiettiLBM14 [90]	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	1003	1372
BorghesiBLMB18 [96]	13	job, re-scheduling, make-span, resource, distributed, activity, task, machine, scheduling, order		cumulative, cycle			super-computer		benchmark, real-life		967	1336
BourreauGGLT22 [99]	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		916	1285
BridiBLMB16 [101]	14	re-scheduling, make-span, job, scheduling, resource, order, machine, activity, distributed, tardiness		cycle, cumulative, circuit		OZ	medical, super-computer		real-world, real-life		985	1354
Caballero23 [105]	1	resource, scheduling	RCPSP								902	1271
CampeauG22 [106]	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	917	1286

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ColT22 [121]	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		918	1287
CzerniachowskaWZ23 [123]	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		903	1272
Darby-DowmanLMZ97 [125]	20	machine, scheduling, order, task, make-span, resource	MGAP, single machine	span constraint, disjunctive	Prolog	Cplex, ECLiPSe	pipeline, aircraft		real-life, real-world, benchmark		1085	1454
DincbasSH90 [142]	19	task, machine, job-shop, distributed, precedence, scheduling, resource, order, job		circuit, disjunctive	Prolog	CHIP, OPL			real-life		1093	1462
DoulabiRP16 [145]	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		986	1355
EscobetPQPRA19 [151]	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			956	1325
EvenSH15a [153]	16	preempt, distributed, transportation, resource, scheduling, completion-time, task, machine, order		disjunctive, cumulative	Java	Choco Solver, OPL	emergency service		real-world, real-life	sweep	993	1362
FahimiOQ18 [154]	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	968	1337
FalaschiGMP97 [155]	27	order, scheduling			Prolog						1086	1455

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
FallahiAC20 [156]	18	order, resource, task, transportation, scheduling		cycle		OR-Tools, OZ	robot, nurse, medical, container terminal		github, real-life	sweep	946	1315
FanXG21 [157]	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	933	1302
FarsiTM22 [158]	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	919	1288
FetgoD22 [160]	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	921	1290
GarridoAO09 [171]	30	re-scheduling, precedence, scheduling, make-span, resource, order, task		disjunctive	Java	CPO, OPL, Choco Solver			benchmark		1043	1412
GarridoOS08 [172]	11	scheduling, make-span, resource, order, activity, task, machine			Java, C	Choco Solver, CPO			real-world		1047	1416
GedikKEK18 [177]	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		969	1338
GoelSHFS15 [190]	12	precedence, resource, inventory, setup-time, scheduling, activity, task, order, transportation, machine		cumulative, noOverlap, disjunctive, alwaysIn		OPL, Cplex, CPO	pipeline				994	1363
GokgurHO18 [191]	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	970	1339

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GoldwaserS18 [193]	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	971	1340
GrimesIOS14 [200]	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		1004	1373
GurEA19 [518]	24	order, distributed, resource, job-shop, scheduling, re-scheduling, job, completion-time				OZ, Cplex	patient, medical, surgery, operating room		real-life		957	1326
GurPAE23 [206]	25	re-scheduling, order, scheduling, distributed, resource, inventory, machine		cumulative		OPL, Cplex, OZ	physician, surgery, patient, operating room, COVID, nurse		real-life		904	1273
HachemiGR11 [207]	16	task, precedence, job-shop, transportation, make-span, scheduling, resource, order, job, activity		cycle, alldifferent		OPL, Ilog Scheduler, Cplex	crew-scheduling, forestry	food industry			1025	1394
Ham18 [208]	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				972	1341
HamPK21 [209]	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		934	1303
HebrardHJMPV16 [214]	10	completion-time, resource, task, cmax, distributed, machine, scheduling, order, job, make-span	parallel machine	cumulative		OZ	satellite, earth observation		industrial partner		987	1356
HeckmanB11 [217]	20	activity, flow-shop, job, job-shop, machine, make-span, order, precedence, resource, scheduling, tardiness		disjunctive		Ilog Scheduler			benchmark, real-world	edge-finder, edge-finding	1026	1395
HeinzNVH22 [223]	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		922	1291

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HeinzSB13 [222]	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	1011	1380
HeinzSSW12 [220]	12	inventory, task, order		bin-packing		Cplex	steel mill	steel industry, process industry	real-world, CSplib		1014	1383
HeipckeCCS00 [225]	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		1074	1443
Hooker05 [232]	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	1059	1428
Hooker06 [234]	19	machine, job, task, precedence, release-date, due-date, make-span, order, tardiness, scheduling, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		1055	1424
HubnerGSV21 [238]	22	completion-time, resource, order, job, inventory, activity, due-date, task, machine, preempt, transportation, cmax, tardiness, make-span, precedence, scheduling	RCPSPDC, RCPSP	cycle, cumulative, end-BeforeStart, alternative constraint	C	Gurobi, Cplex, OPL	automotive		benchmark, real-life		935	1304
IsikYA23 [240]	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	905	1274
Kameugne15 [247]	2	resource, scheduling, task, preempt, completion-time		cumulative						not-last, edge-finding, not-first	996	1365
KameugneFSN14 [251]	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	1005	1374
KelbelH11 [254]	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	1027	1396

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KhayatLR06 [256]	15	job-shop, due-date, scheduling, preempt, task, order, machine, activity, make-span, cmax, job, precedence, resource, setup-time				OPL, Cplex			real-life, bench- mark		1056	1425
KoehlerBFFHPSSS21 [261]	51	flow-shop, scheduling, lateness, job, task, make-span, machine, tardiness, precedence, resource, job-shop, flow-time, order	CTW, single machine	cycle, circuit, cumulative, disjunctive, alldifferent	C , Python	Z3, MiniZ-inc, OPL, Cplex, Gurobi, OR-Tools, Chuffed	cable tree, automotive, robot		real-world, benchmark, github		936	1305
KorbaaYG00 [263]	10										1075	1444
KovacsB08 [266]	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	1048	1417
KovacsB11 [267]	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	1028	1397
KovacsK11 [269]	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					1029	1398
KreterSS17 [274]	31	scheduling, task, order, machine, preempt, activity, make-span, completion-time, precedence, resource, lazy clause generation	RCPSP, parallel machine	cycle, alwaysIn, cumulative, diffn		CPO, Cplex, MiniZ-inc, CHIP, Chuffed			benchmark	edge-finding	980	1349
KuchcinskiW03 [277]	15	scheduling, precedence, resource, distributed, order		cycle, circuit	Java		pipeline		benchmark		1064	1433
LaborieRSV18 [282]	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, bench- mark	edge-finding	974	1343
LacknerMMWW23 [284]	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	906	1275

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LammaMM97 [286]	15	job-shop, resource, scheduling, precedence, order, task, job, distributed		circuit, disjunctive	C++, Prolog	ECLiPSe, OPL, CHIP	railway		real-life		1087	1456
LetortCB15 [291]	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	997	1366
LiessM08 [293]	12	preempt, resource, scheduling, machine, job, activity, precedence, job-shop, task, make-span, order, cmax	RCPSP, psplib	disjunctive, cumulative	C++	OZ			benchmark	edge-finding	1049	1418
LimtanyakulS12 [298]	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	1015	1384
LombardiM10a [306]	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	1036	1405
LombardiM12 [309]	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	1016	1385
LombardiM12a [308]	10	order, make-span, completion-time, resource, activity, precedence, producer/consumer, scheduling	psplib, RCPSP	disjunctive		Ilog Solver			benchmark		1017	1386
LopesCSM10 [311]	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	1037	1406
LopezAKYG00 [312]	4										1076	1445
LorigeonBB02 [313]	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					1066	1435

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LunardiBLRV20 [315]	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		947	1316
MalikMB08 [324]	18	distributed, resource, scheduling, machine, precedence, order		cycle			pipeline		benchmark	edge-finding	1050	1419
MartinPY01 [326]	17	scheduling, task, order, machine, transportation, re-scheduling, resource		circuit	Prolog	ECLiPSe, Ilog Solver	railway, aircraft		real-life		1069	1438
Mason01 [327]	38	scheduling, order, task, activity, transportation				OPL, Cplex	railway, crew-scheduling, nurse				1070	1439
MejiaY20 [329]	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		948	1317
MengZRZL20 [331]	13	earliness, job-shop, scheduling, machine, preempt, sequence dependent setup, flow-time, flow-shop, order, completion-time, transportation, make-span, cmax, job, precedence, batch process, open-shop, distributed, tardiness, resource, no preempt, setup-time, task	Open Shop Scheduling Problem, OSP, parallel machine, FJS	alternative constraint, noOverlap, endBeforeStart		OPL, Gecode, Gurobi, OR-Tools, Cplex	robot, semi-conductor		supplementary material, benchmark		949	1318
MokhtarzadehTNF20 [334]	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	950	1319
MontemanniD23 [338]	13	resource, distributed, order, scheduling, machine, task		circuit	Python	OPL, Tools, Gurobi	robot, drone		benchmark, supplementary material		907	1276
MontemanniD23a [337]	20	order, completion-time, task, transportation, scheduling		circuit	Python	OR-Tools	drone		benchmark		908	1277
MullerMKP22 [342]	18	precedence, job-shop, batch process, scheduling, completion-time, make-span, order, setup-time, job, activity, due-date, resource, task, machine, preempt, cmax	FJS	disjunctive, circuit	Java, Python	Chuffed, MiniZinc, OZ, Gecode, Choco Solver, OPL, Cplex, OR-Tools	robot, semi-conductor		benchmark, random instance, real-world, github		923	1292

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 [347]	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, bench-mark		909	1278
NattafAL15 [348]	21	resource, release-date, due-date, scheduling, preempt, task, order, activity, make-span	CECSP, CuSP, RCPSP	cumulative	C++	Cplex			generated instance	in-sweep, energetic reasoning	998	1367
NattafAL17 [349]	18	resource, release-date, scheduling, task, order, activity, make-span, job	CECSP	disjunctive, cumulative	C++	Cplex			real-world	edge-finding, energetic reasoning	981	1350
NishikawaSTT19 [354]	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		958	1327
NovaraNH16 [355]	17	earliness, machine, make-span, job, precedence, batch process, re-scheduling, tardiness, resource, setup-time, due-date, scheduling, activity, sequence dependent setup, manpower, task, order, completion-time		cumulative, noOverlap, endBeforeStart, disjunctive, alternative constraint		OPL, Cplex		pharmaceutical industry	CSPlib, bench-mark		989	1358
Novas19 [356]	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		959	1328
NovasH10 [357]	20	precedence, batch process, due-date, re-scheduling, make-span, earliness, order, tardiness, scheduling, resource, completion-time, machine, setup-time, lateness, job, task, manpower, activity				OZ, Ilog Solver, OPL, Scheduler	pipeline				1038	1407
NovasH12 [358]	17	precedence, make-span, transportation, order, scheduling, resource, completion-time, machine, job, task, activity		cycle		Ilog Solver, OZ, Ilog Scheduler	semiconductor robot, hoist, electroplating, container terminal				1018	1387

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
NovasH14 [359]	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		1006	1375
NuijtenP98 [361]	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	1083	1452
OzturkTHO13 [367]	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	1012	1381
PandeyS21a [368]	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		937	1306
PapaB98 [370]	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	1084	1453
PoderBS04 [378]	16	preempt, due-date, resource, scheduling, precedence, order, task, machine, activity, producer/consumer, release-date	RCPSP	cumulative	Prolog	CHIP		chemical industry			1062	1431
PohlAK22 [379]	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		924	1293
Polo-MejiaALB20 [380]	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		951	1320
PourDERB18 [382]	12	scheduling, task, order, machine, transportation, job				Cplex, OR-Tools	crew-scheduling, railway		real-life, benchmark, real-world, generated instance		975	1344

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
PrataAN23 [386]	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	897	1266
QinDCS20 [389]	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, bench-mark		952	1321
QinWSLS21 [388]	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				938	1307
Rodriguez07 [396]	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		1053	1422
RodriguezDG02 [395]	10	completion-time, scheduling, resource, transportation, activity, order		circuit, disjunctive			railway			edge-finding	1067	1436
RuggieroBBMA09 [398]	14	scheduling, order, resource, activity, preempt, setup-time, distributed, machine, precedence, task		circuit, cumulative, cycle		OZ, Solver, Ilog Scheduler, Cplex	pipeline, satellite		instance generator, real-life		1044	1413
SacramentoSP20 [399]	33	preempt, distributed, machine, precedence, task, flow-shop, job-shop, open-shop, transportation, scheduling, order, completion-time, job, resource, make-span, activity	parallel machine, Open Shop Scheduling Problem	disjunctive, cumulative, alternative constraint, end-BeforeStart, noOverlap	Java	Cplex, OZ, CPO	container terminal		benchmark, real-life, zenodo, real-world		953	1322
SadykovW06 [401]	9	scheduling, lateness, due-date, machine, completion-time, job, release-date	single machine, parallel machine	disjunctive		CHIP	robot		generated instance		1057	1426
SakkoutW00 [402]	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	1077	1446
SchausHMCMD11 [403]	23	order, task	SCC	bin-packing			steel mill	steel industry	benchmark, CSPLib, generated instance		1030	1399
SchildW00 [404]	23	distributed, job-shop, flow-shop, resource, scheduling, completion-time, task, machine, precedence, order, job	single machine	disjunctive, cycle, bin-packing		OZ, Solver	automotive	automotive industry, aerospace industry		time-tabling, edge-finding	1078	1447

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SchuttFSW11 [410]	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	1031	1400
SchuttFSW13 [411]	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		1013	1382
ShaikhK23 [416]	12	order, job, activity, re-scheduling, distributed, job-shop, resource, scheduling, open-shop, task, machine					medical, drone		benchmark, real-world	time-tabling	910	1279
ShinBBHO18 [418]	16	scheduling, task, order, machine, preempt, activity, transportation, resource, inventory, job					patient, physician, medical, nurse		github, real-world		976	1345
Siala15 [419]	2	resource, scheduling		disjunctive					benchmark		999	1368
SimoninAHL15 [422]	23	resource, activity, precedence, preempt, scheduling, order, inventory, transportation, task, make-span		disjunctive, span constraint, cumulative, cycle		CHIP	earth observation, satellite, pipeline, robot			sweep	1000	1369
Simonis07 [424]	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	1054	1423
SourdN00 [426]	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	1079	1448
SubulanC22 [428]	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		926	1295
SureshMOK06 [431]	19	distributed, scheduling, buffer-capacity, order, job, task, machine		cumulative, cycle		Z3, OZ					1058	1427
TangLWSK18 [435]	28	scheduling, task, order, preempt, activity, job, transportation, re-scheduling, resource	RCPSP	cycle, circuit	C	Cplex, OZ, OPL	crew-scheduling, railway, pipeline				977	1346

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
TerekhovTDB14 [442]	38	activity, buffer-capacity, cmax, completion-time, distributed, flow-shop, flow-time, inventory, job, job-shop, machine, make-span, no preempt, order, preempt, re-scheduling, release-date, resource, scheduling, tardiness, task	parallel machine, single machine				robot, semi-conductor		real-world		1007	1376
ThiruvadyWGS14 [446]	34	order, completion-time, resource, activity, tardiness, distributed, machine, precedence, task, job, make-span, scheduling	psplib, single machine	cumulative				mining industry	benchmark		1008	1377
Timpe02 [447]	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			1068	1437
TopalogluO11 [449]	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	1032	1401
TranPZLDB18 [455]	17	completion-time, distributed, job, machine, make-span, order, preempt, re-scheduling, resource, scheduling, task	single machine	bin-packing	C++	Cplex, OZ			benchmark, generated instance		978	1347
TranVNB17 [457]	68	activity, job, machine, multi-agent, order, precedence, re-scheduling, resource, scheduling, task, transportation		alternative constraint, cumulative, noOverlap		Cplex, MiniZinc, OPL	medical, robot, satellite		real-world		982	1351
TrojetHL11 [460]	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		1033	1402
Tsang03 [461]	2	resource, scheduling							real-life	time-tabling	1065	1434
VilimBC05 [477]	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					real-life, benchmark	not-first, sweep, edge-finding, not-last	1060	1429
VlkHT21 [480]	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		939	1308
Wallace96 [482]	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	1089	1458

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
WallaceY20 [483]	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	954	1323
WangMD15 [486]	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	1001	1370
WikarekS19 [489]	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				960	1329
YounespourAKE19 [497]	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		961	1330
YunusogluY22 [499]	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		927	1296
YuraszeckMCCR23 [502]	11	setup-time, cmax, activity, make-span, machine, open-shop, precedence, resource, preempt, batch process, task, flow-shop, order, scheduling, job, job-shop, flow-time	RCPSP, Open Shop Scheduling Problem, JSSP, FJS, OSSP	endBeforeStart, cumulative		OPL, Cplex		pharmaceutical industry	github, real-world, benchmark		911	1280
YuraszeckMPV22 [501]	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		928	1297
ZarandiKS16 [503]	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	991	1360

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ZeballosH05 [504]	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				1061	1430
ZeballosQH10 [505]	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		1039	1408
ZhangW18 [509]	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		979	1348
ZhangYW21 [508]	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		940	1309
Zhou97 [512]	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	1088	1457
ZouZ20 [517]	10	resource, activity, task, order, scheduling, precedence, completion-time, distributed		cumulative, endBeforeStart, noOverlap, span constraint		Cplex, OPL	pipeline		benchmark		955	1324
abs-0907-0939 [376]	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	1046	1415
abs-1009-0347 [409]	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		1040	1409
abs-1901-07914 [62]	8	multi-agent, scheduling, order, resource, make-span, distributed, machine, task			Python	OZ, MiniZinc, OR-Tools	robot		benchmark, real-world, github		962	1331
abs-1902-01193 [8]	9	order, resource, activity, BOM, task, scheduling			C++, Prolog, Python	Ilog Solver, CHIP, OPL	medical, nurse			time-tabling	963	1332

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
abs-1902-09244 [211]	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		964	1333
abs-1911-04766 [179]	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	965	1334
abs-2102-08778 [119]	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		941	1310
abs-2211-14492 [429]	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		929	1298
abs-2305-19888 [224]	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		912	1281
abs-2306-05747 [438]	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		913	1282
abs-2312-13682 [374]	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		914	1283
abs-2402-00459 [351]	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		898	1267

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 [386]	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	-	benchmark, real-world, real-life	1	-		-	-	survey	-	897	1210
abs-2402-00459 abs-2402-00459 [351]	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	OR-Tools	instance generator, real-world, generated instance, github, benchmark	2	y		n	-	RCJS	cumulatives	898	1265
AbreuNP23 AbreuNP23 [130]	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	?	real-world, benchmark	10	?		?	?	?	?	899	1097
AkramNHRSA23 AkramNHRSA23 [7]	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming	OR-Tools	benchmark	0	n		n	-	TSN	-	900	1099
AlfieriGPS23 AlfieriGPS23 [9]	Permutation flowshop problems minimizing core waiting time and core idle time		benchmark	0							901	1100
Caballero23 Caballero23 [105]	Scheduling through logic-based tools	SAT		1	-		-	PhD Thesis	RCPSP	-	902	1124
CzerniachowskaWZ23 CzerniachowskaWZ23 [123]	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations		benchmark, Roadef, real-world	0							903	1127
GurPAE23 GurPAE23 [206]	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Cplex	real-life	0	n		n	-	-	-	904	1147
IsikYA23 IsikYA23 [240]	Constraint programming models for the hybrid flow shop scheduling problem and its extensions	OPL CP Opt	real-world, benchmark, generated instance, real-life	4	y		y	-	HFSP	alternative endBeforeStart noOverlap cumulative alternative noOverlap forbidExtent	905	1159
LacknerMMWW23 LacknerMMWW23 [284]	Exact methods for the Oven Scheduling Problem	MiniZinc OPL	random instance, industrial partner, benchmark, instance generator, zenodo, real-life	0	DZN JSON		y	[283]	OSP		906	1172
MontemanniD23 MontemanniD23 [338]	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	OR-Tools	benchmark, supplementary material	6	ref	y	n	-	PDSTSP	circuit	907	1190
MontemanniD23a MontemanniD23a [337]	Constraint programming models for the parallel drone scheduling vehicle routing problem	OR-Tools	benchmark	0	ref		n	-	PDSTSP	circuit multipleCircuit	908	1191
NaderiRR23 NaderiRR23 [347]	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook		github, benchmark	8							909	1193
ShaikhK23 ShaikhK23 [416]	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	?	benchmark, real-world	2	?		?	?	?	?	910	1223
YuraszeckMCCR23 YuraszeckMCCR23 [502]	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	911	1245

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
abs-2305-19888 abs-2305-19888 [224]	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	912	1262
abs-2306-05747 abs-2306-05747 [438]	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	913	1263
abs-2312-13682 abs-2312-13682 [374]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	914	1264
AbreuN22 AbreuN22 [129]	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	915	1096
BourreauGGLT22 BourreauGGLT22 [99]	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)		real-world, benchmark	2							916	1122
CampeauG22 CampeauG22 [106]	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	917	1125
ColT22 ColT22 [121]	Industrial-size job shop scheduling with constraint programming		generated instance, supplementary material, github, real-life, benchmark, real-world	4							918	1126
FarsiTM22 FarsiTM22 [158]	Integrated surgery scheduling by constraint programming and meta-heuristics		supplementary material	10							919	1137
Fatemi-AnarakiMFN22 Fatemi-AnarakiMFN22 [159]	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches			0							920	No
FetgoD22 FetgoD22 [160]	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited		benchmark, real-world	7							921	1138
HeinzNVH22 HeinzNVH22 [223]	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers		real-world, generated instance, benchmark, gitlab	3							922	1152
MullerMKP22 MullerMKP22 [342]	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							923	1192
PohlAK22 PohlAK22 [379]	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach		benchmark, real-world	2							924	1207
ShiYXQ22 ShiYXQ22 [417]	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach			0							925	No

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
SubulanC22 SubulanC22 [428]	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem		real-life, bench- mark, real- world	2							926	1229
YunusogluY22 YunusogluY22 [499]	Constraint programming approach for multi-resource-constrained unrelated parallel machine scheduling problem with sequence-dependent setup times		real-world, benchmark, generated in- stance, real-life, supplementary material	10							927	1244
YuraszeckMPV22 YuraszeckMPV22 [501]	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem		generated in- stance, github, benchmark, real-life	5							928	1246
abs-2211-14492 abs-2211-14492 [429]	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling		benchmark, ran- dom instance, generated in- stance	1							929	1261
AbohashimaEG21 AbohashimaEG21 [2]	A Mathematical Programming Model and a Firefly-Based Heuristic for Real-Time Traffic Signal Scheduling With Physical Constraints		real-world, gen- erated instance, github	0							930	1094
AbreuAPNM21 AbreuAPNM21 [128]	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							931	1095
Bedhief21 Bedhief21 [59]	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines		real-life	0							932	1110
FanXG21 FanXG21 [157]	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints		benchmark	0							933	1136
HamPK21 HamPK21 [209]	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming		benchmark, github	4							934	1150
HubnerGSV21 HubnerGSV21 [238]	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics		benchmark, real-life	4							935	1158
KoehlerBFFHPSSS21 KoehlerBFFH- PSSS21 [261]	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	936	1164
PandeyS21a PandeyS21a [368]	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization		benchmark	1							937	1204
QinWSLS21 QinWSLS21 [388]	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint			0							938	1212

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
VlkHT21 VlkHT21 [480]	Constraint programming approaches to joint routing and scheduling in time-sensitive networks		industrial partner, random instance, github, benchmark	0							939	1238
ZhangYW21 ZhangYW21 [508]	A graph-based constraint programming approach for the integrated process planning and scheduling problem		benchmark	0							940	1251
abs-2102-08778 abs-2102-08778 [119]	Large-Scale Benchmarks for the Job Shop Scheduling Problem		generated instance, benchmark, real-life, real-world	0							941	1260
AlizdehS20 AlizdehS20 [10]	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming			0							942	No
AstrandJZ20 AstrandJZ20 [25]	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search		benchmark, real-world, real-life	0							943	1102
BadicaBI20 BadicaBI20 [26]	Block structured scheduling using constraint logic programming		real-world, benchmark	5							944	1103
BenediktMH20 BenediktMH20 [70]	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				945	1115
FallahiAC20 FallahiAC20 [156]	Tabu search and constraint programming-based approach for a real scheduling and routing problem		github, real-life	0							946	1135
LunardiBLRV20 LunardiBLRV20 [315]	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem		benchmark, random instance, generated instance, github	1							947	1183
MejiaY20 MejiaY20 [329]	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							948	1187
MengZRZL20 MengZRZL20 [331]	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem		supplementary material, benchmark	0							949	1188
MokhtarzadehTNF20 MokhtarzadehTNF20 [334]	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach		generated instance, real-world	12							950	1189
Polo-MejiaALB20 Polo-MejiaALB20 [380]	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility		Roadef, github	2							951	1208
QinDCS20 QinDCS20 [389]	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							952	1211
SacramentoSP20 SacramentoSP20 [399]	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							953	1216
WallaceY20 WallaceY20 [483]	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		954	1240

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
ZouZ20 ZouZ20 [517]	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic		benchmark	3							955	1253
EscobetPQPRA19 EscobetPQPRA19 [151]	Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach			1							956	1131
GurEA19 GurEA19 [518]	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study		real-life	11							957	1146
NishikawaSTT19 NishikawaSTT19 [354]	A Constraint Programming Approach to Scheduling of Malleable Tasks		real-world, benchmark	0							958	1196
Novas19 Novas19 [356]	Production scheduling and lot streaming at flexible job-shops environments using constraint programming		benchmark	0							959	1198
WikarekS19 WikarekS19 [489]	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems			0							960	1242
YounespourAKE19 YounespourAKE19 [497]	Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy		real-life, real-world	6							961	1243
abs-1901-07914 abs-1901-07914 [62]	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks		benchmark, real-world, github	0							962	1256
abs-1902-01193 abs-1902-01193 [8]	Solving Nurse Scheduling Problem Using Constraint Programming Technique			0							963	1257
abs-1902-09244 abs-1902-09244 [211]	On constraint programming for a new flexible project scheduling problem with resource constraints		benchmark, industry partner, real-world	0							964	1258
abs-1911-04766 abs-1911-04766 [179]	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							965	1259
BaptisteB18 BaptisteB18 [32]	Redundant cumulative constraints to compute preemptive bounds			1							966	1104
BorghesiBLMB18 BorghesiBLMB18 [96]	Scheduling-based power capping in high performance computing systems		benchmark, real-life	3							967	1121
FahimiOQ18 FahimiOQ18 [154]	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	968	1133
GedikKEK18 GedikKEK18 [177]	A constraint programming approach for solving unrelated parallel machine scheduling problem		benchmark	9							969	1141
GokgurHO18 GokgurHO18 [191]	Parallel machine scheduling with tool loading: a constraint programming approach		real-life, real-world	9							970	1143
GoldwaserS18 GoldwaserS18 [193]	Optimal Torpedo Scheduling		instance generator, github, benchmark, generated instance	0							971	1144

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
Ham18 Ham18 [208]	Integrated scheduling of m-truck, m-drone, and m-depot constrained by time-window, drop-pickup, and m-visit using constraint programming			7							972	1149
KreterSSZ18 KreterSSZ18 [275]	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems			0							973	No
LaborieRSV18 LaborieRSV18 [282]	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	OP Opt	real-world, CSPlib, bench-mark	3	-		-	-	-	-	974	1171
PourDERB18 PourDERB18 [382]	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem		real-life, bench-mark, real-world, generated instance	1							975	1209
ShinBBHO18 ShinBBHO18 [418]	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling		github, real-world	4							976	1224
TangLWSK18 TangLWSK18 [435]	Scheduling Optimization of Linear Schedule with Constraint Programming			0							977	1231
TranPZLDB18 TranPZLDB18 [455]	Multi-stage resource-aware scheduling for data centers with heterogeneous servers		benchmark, generated instance	2							978	??
ZhangW18 ZhangW18 [509]	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							979	1250
KreterSS17 KreterSS17 [274]	Using constraint programming for solving RCPSP/max-cal	MiniZinc Chuffed Cplex	benchmark	5	dead			[273]	RCPSP	cumulative cumulativeCalend.	980	1169
NattafAL17 NattafAL17 [349]	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Cplex	real-world	2	n		n	-	CECSP	-	981	1195
TranVNB17 TranVNB17 [457]	Robots in Retirement Homes: Applying Off-the-Shelf Planning and Scheduling to a Team of Assistive Robots		real-world	0							982	??
BlomPS16 BlomPS16 [82]	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods			0							983	No
Bonfietti16 Bonfietti16 [87]	A constraint programming scheduling solver for the MPOpt programming environment		benchmark	10							984	1119
BridiBLMB16 BridiBLMB16 [101]	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines		real-world, real-life	0							985	1123
DoulabiRP16 DoulabiRP16 [145]	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling		real-world, generated instance	3							986	1130
HebrardHJMPV16 HebrardHJMPV16 [214]	Approximation of the parallel machine scheduling problem with additional unit resources		industrial partner	0							987	1151
KuB16 KuB16 [276]	Mixed Integer Programming models for job shop scheduling: A computational analysis			0							988	No
NovaraNH16 NovaraNH16 [355]	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation		CSPlib, bench-mark	5							989	1197

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
TranAB16 TranAB16 [452]	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups			0							990	No
ZarandiKS16 ZarandiKS16 [503]	A constraint programming model for the scheduling of JIT cross-docking systems with preemption		real-world	0							991	1247
BajestaniB15 BajestaniB15 [30]	A two-stage coupled algorithm for an integrated maintenance planning and flowshop scheduling problem with deteriorating machines		real-world	0							992	??
EvenSH15a EvenSH15a [153]	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling		real-world, real-life	2							993	1132
GoelSHFS15 GoelSHFS15 [190]	Constraint programming for LNG ship scheduling and inventory management			0							994	1142
GrimesH15 GrimesH15 [198]	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search			0							995	No
Kameugne15 Kameugne15 [247]	Propagation techniques of resource constraint for cumulative scheduling	-		2	-		-	PhDThesis	RCPSP		996	1160
LetortCB15 LetortCB15 [291]	Synchronized sweep algorithms for scalable scheduling constraints	Choco SICStus	generated instance, Roadef, benchmark, random instance	4	dead		-	[290]	-	cumulative dimCumulativePr	997	1174
NattafAL15 NattafAL15 [348]	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Cplex	generated instance	1	n		n		CSCSP		998	1194
Siala15 Siala15 [419]	Search, propagation, and learning in sequencing and scheduling problems	-	benchmark	2	-		-	PhD Thesis			999	1225
SimoninAHL15 SimoninAHL15 [422]	Scheduling scientific experiments for comet exploration	MOST Ilog Scheduler		0	n		n	[421]		cumulative dataTransfer	1000	1226
WangMD15 WangMD15 [486]	Scheduling operating theatres: Mixed integer programming vs. constraint programming		real-life, real-world	2							1001	1241
BlomBPS14 BlomBPS14 [81]	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines			0							1002	No
BonfiettiLBM14 BonfiettiLBM14 [90]	CROSS cyclic resource-constrained scheduling solver		real-world, generated instance, industrial instance, benchmark	0							1003	1120
GrimesIOS14 GrimesIOS14 [200]	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling		real-world, real-life	9							1004	1145
KameugneFSN14 KameugneFSN14 [251]	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Gecode	random instance, benchmark	2	y			[250]	CuSP	cumulative	1005	1161
NovasH14 NovasH14 [359]	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming		benchmark	0							1006	1201
TerekhovTDB14 TerekhovTDB14 [442]	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems		real-world	0							1007	??
ThiruvadyWGS14 ThiruvadyWGS14 [446]	A Lagrangian relaxation and ACO hybrid for resource constrained project scheduling with discounted cash flows		benchmark	0							1008	1232
BajestaniB13 BajestaniB13 [29]	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources			0							1009	??
BegB13 BegB13 [60]	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures		benchmark	0							1010	1111

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
HeinzSB13 HeinzSB13 [222]	Using dual presolving reductions to reformulate cumulative constraints	Cplex SCIP	benchmark	1	ref		-	-	RCPSP RCPSP/max	cumulative	1011	1153
OzturkTHO13 OzturkTHO13 [367]	Balancing and scheduling of flexible mixed model assembly lines	Ilog Solver Ilog Scheduler Cplex	real-world, real-life	2	y		-	-	SBSFMMAL	alldifferent disjunctive	1012	1203
SchuttFSW13 SchuttFSW13 [411]	Solving RCPSP/max by lazy clause generation		benchmark, supplementary material	6							1013	1222
HeinzSSW12 HeinzSSW12 [220]	Solving steel mill slab design problems		real-world, CSPLib	2	Cplex		dead	-	SMSDP	-	1014	1154
LimtanyakulS12 LimtanyakulS12 [298]	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		-	-			1015	1176
LombardiM12 LombardiM12 [309]	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	-	real-world, benchmark	0	-		-	-	survey	-	1016	1178
LombardiM12a LombardiM12a [308]	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling		benchmark	1							1017	1179
NovasH12 NovasH12 [358]	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations			0							1018	1200
TerekhovDOB12 TerekhovDOB12 [441]	Solving two-machine assembly scheduling problems with inventory constraints			0							1019	No
BandaSC11 BandaSC11 [131]	Solving Talent Scheduling with Dynamic Programming			0							1020	No
BartakS11 BartakS11 [42]	Constraint satisfaction for planning and scheduling problems	-	random instance, real-world, real-life	2	-		-		survey		1021	1107
BeckFW11 BeckFW11 [51]	Combining Constraint Programming and Local Search for Job-Shop Scheduling		real-world, benchmark	0							1022	1109
BeldiceanuCDP11 BeldiceanuCDP11 [65]	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles		benchmark	1							1023	1113
BeniniLMR11 BeniniLMR11 [73]	Optimal resource allocation and scheduling for the CELL BE platform		benchmark, real-world, instance generator	0							1024	1116
HachemiGR11 HachemiGR11 [207]	A hybrid constraint programming approach to the log-truck scheduling problem			1							1025	1148
HeckmanB11 HeckmanB11 [217]	Understanding the behavior of Solution-Guided Search for job-shop scheduling		benchmark, real-world	0							1026	??
KelbelH11 KelbelH11 [254]	Solving production scheduling with earliness/tardiness penalties by constraint programming		benchmark, random instance, generated instance	3							1027	1162
KovacsB11 KovacsB11 [267]	A global constraint for total weighted completion time for unary resources	Ilog Scheduler	benchmark	2	n		n	-		Completion	1028	1167
KovacsK11 KovacsK11 [269]	Constraint programming approach to a bilevel scheduling problem	Ilog Solver		2	n		n	-	Bilevel Opt		1029	1168
SchausHMCMD11 SchausHMCMD11 [403]	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Comet	benchmark, CSPLib, generated instance	3	dead				SMSDP		1030	1219
SchuttFSW11 SchuttFSW11 [410]	Explaining the cumulative propagator	MiniZinc	benchmark, real-world	7	PSPLib		-	-	RCPSP	cumulative	1031	1221

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TopalogluO11 TopalogluO11 [449]	A constraint programming-based solution approach for medical resident scheduling problems		real-life	2							1032	1234
TrojetHL11 TrojetHL11 [460]	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework		real-world	2							1033	1235
BartakCS10 BartakCS10 [41]	Discovering implied constraints in precedence graphs with alternatives		benchmark, real-life, real-world	3							1034	1106
BartakSR10 BartakSR10 [43]	New trends in constraint satisfaction, planning, and scheduling: a survey		real-life, real-world	0							1035	1108
LombardiM10a LombardiM10a [306]	Allocation and scheduling of Conditional Task Graphs		real-world, benchmark, real-life	3							1036	1177
LopesCSM10 LopesCSM10 [311]	A hybrid model for a multiproduct pipeline planning and scheduling problem	Ilog Solver	benchmark, real-world	2	-		-	[341, 340]			1037	1180
NovashH10 NovashH10 [357]	Reactive scheduling framework based on domain knowledge and constraint programming			0							1038	1199
ZeballosQH10 ZeballosQH10 [505]	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations		benchmark, real-world	4							1039	1249
abs-1009-0347 abs-1009-0347 [409]	Solving the Resource Constrained Project Scheduling Problem with Generalized Precedences by Lazy Clause Generation		benchmark, instance generator	0							1040	1255
BidotVLB09 BidotVLB09 [77]	A theoretic and practical framework for scheduling in a stochastic environment		real-life, real-world	0							1041	??
BocewiczBB09 BocewiczBB09 [83]	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling			0							1042	1118
GarridoAO09 GarridoAO09 [171]	A constraint programming formulation for planning: from plan scheduling to plan generation		benchmark	8							1043	1139
RuggieroBBMA09 RuggieroBBMA09 [398]	Reducing the Abstraction and Optimality Gaps in the Allocation and Scheduling for Variable Voltage/Frequency MPSoC Platforms		instance generator, real-life	0							1044	1215
WuBB09 WuBB09 [495]	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints			0							1045	No
abs-0907-0939 abs-0907-0939 [376]	The Soft Cumulative Constraint		real-world	0							1046	1254
GarridoOS08 GarridoOS08 [172]	Planning and scheduling in an e-learning environment. A constraint-programming-based approach		real-world	0							1047	1140
KovacsB08 KovacsB08 [266]	A global constraint for total weighted completion time for cumulative resources		benchmark	0							1048	1166
LiessM08 LiessM08 [293]	A constraint programming approach for the resource-constrained project scheduling problem		benchmark	0							1049	1175
MalikMB08 MalikMB08 [324]	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming		benchmark	0							1050	1184
Beck07 Beck07 [49]	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling		benchmark	0							1051	??
BeckW07 BeckW07 [58]	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations		benchmark	0							1052	??
Rodriguez07 Rodriguez07 [396]	A constraint programming model for real-time train scheduling at junctions		real-life	2							1053	1213

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Simonis07 Simonis07 [424]	Models for Global Constraint Applications	CHIP		0	n		n			cumulative diffn cycle	1054	1227
Hooker06 Hooker06 [234]	An Integrated Method for Planning and Scheduling to Minimize Tardiness	OPL Cplex Ilog Scheduler	random instance	2	n		n	[233]	CuSP	inverse cumulative	1055	1157
KhayatLR06 KhayatLR06 [256]	Integrated production and material handling scheduling using mathematical programming and constraint programming		real-life, bench- mark	1							1056	1163
SadykovW06 SadykovW06 [401]	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates		generated in- stance	1							1057	1217
SureshMOK06 SureshMOK06 [431]	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach			0							1058	1230
Hooker05 Hooker05 [232]	A Hybrid Method for the Planning and Scheduling	OPL Cplex Ilog Scheduler	random instance	0	n		n	[231]	CuSP	cumulative	1059	1156
VilimBC05 VilimBC05 [477]	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities		benchmark, real-life	0	n		n	[476]	JSSP	disjunctive	1060	1237
ZeballosH05 ZeballosH05 [504]	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources			0							1061	1248
PoderBS04 PoderBS04 [378]	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption			0							1062	1206
BeckR03 BeckR03 [55]	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs		benchmark	0							1063	??
KuchcinskiW03 KuchcinskiW03 [277]	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming		benchmark	0							1064	1170
Tsang03 Tsang03 [461]	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems		real-life	0							1065	1236
LorigeonBB02 LorigeonBB02 [313]	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint			0							1066	1182
RodriguezDG02 RodriguezDG02 [395]	Railway infrastructure saturation using constraint programming approach			0							1067	1214
Timpe02 Timpe02 [447]	Solving planning and scheduling problems with combined integer and constraint programming			0							1068	1233
MartinPY01 MartinPY01 [326]	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application		real-life	0							1069	1185
Mason01 Mason01 [327]	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling			0							1070	1186
ArtiguesR00 ArtiguesR00 [20]	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes			0							1071	1101
BaptisteP00 BaptisteP00 [35]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	CLAIRE	benchmark	0	n		n		RCCSP	cumulative	1072	1105

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BeckF00 BeckF00 [53]	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics		benchmark, real-world	0							1073	??
HeipckeCCS00	Scheduling under Labour Resource Constraints	COME	benchmark, instance generator	0	dead		n	-			1074	1155
HeipckeCCS00 [225]		SchedEns										
KorbaaYG00	Solving Transient Scheduling Problems with Constraint Programming			0							1075	1165
KorbaaYG00 [263]												
LopezAKYG00	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina			0							1076	1181
LopezAKYG00 [312]												
SakkoutW00	Probe Backtrack Search for Minimal	Cplex	benchmark, real-world	0	n		n	-	KRFP		1077	1218
SakkoutW00 [402]	Perturbation in Dynamic Scheduling	ECLiPSe										
SchildW00	Scheduling of Time-Triggered Real-Time Systems	OZ		0	n		n	-		disjunctive	1078	1220
SchildW00 [404]												
SourdN00	Multiple-Machine Lower Bounds for Shop-Scheduling Problems		real-life, benchmark	1							1079	1228
SourdN00 [426]												
BensanaLV99	Earth Observation Satellite Management	Ilog Solver	benchmark	0	?		-	-			1080	1117
BensanaLV99 [74]												
BeckF98 BeckF98 [52]	A Generic Framework for Constraint-Directed Search and Scheduling		benchmark, real-world	0							1081	??
BelhadjiI98	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	-	real-life	0	n		n	-	TCSP		1082	1114
BelhadjiI98 [68]									JSSP			
NuijtenP98	Constraint-Based Job Shop Scheduling with \sc		real-life	0							1083	1202
NuijtenP98 [361]	Ilog Scheduler											
PapaB98 PapaB98 [370]	Resource Constraints for Preemptive Job-shop Scheduling	Ilog Solver	benchmark	0	dead		-	-	PJSSP	disjunctive flow	1084	1205
Darby-DowmanLMZ97	Constraint Logic Programming and Integer Programming Approaches and Their Collaboration in Solving an Assignment Scheduling Problem	Cplex	real-life, real-world, benchmark	0	n		n	-	MGAP		1085	1128
Darby-DowmanLMZ97 [125]		ECLiPSe										
FalaschiGMP97	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators			0							1086	1134
FalaschiGMP97 [155]												
LammaMM97	A distributed constraint-based scheduler		real-life	0							1087	1173
LammaMM97 [286]												
Zhou97 Zhou97 [512]	A Permutation-Based Approach for Solving the Job-Shop Problem	-	benchmark	0	n		n	[511]	JSSP	sort alldifferent permutation	1088	1252
Wallace96	Practical Applications of Constraint Programming	-		0	-		-	-	Survey	-	1089	1239
Wallace96 [482]												
BeldiceanuC94	Introducing Global Constraints in CHIP		real-world, real-life, benchmark	0							1090	1112
BeldiceanuC94 [63]												
AggounB93	Extending CHIP in order to solve complex scheduling and placement problems		real-world	0							1091	1098
AggounB93 [5]												
Tay92 Tay92 [439]	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling			0							1092	No
DincbasSH90	Solving Large Combinatorial Problems in Logic Programming		real-life	0							1093	1129
DincbasSH90 [142]												

4 Authors

Table 8: Co-Authors of Articles/Papers

Author	NrWorks	Entries
J. Christopher Beck	46	LuoB22 [318], ZhangBB22 [507], TangB20 [434], TranPZLDB18 [455], TranVNB17 [457], TranVNB17a [458], CohenHB17 [118], BoothNB16 [95], KuB16 [276], TranAB16 [452], TranWDRFOVB16 [459], LuoVLBM16 [317], TranDRFWOVB16 [454], BajestaniB15 [30], KoschB14 [264], TerekhovTDB14 [442], LouieVNB14 [314], HeinzSB13 [222], HeinzKB13 [219], BajestaniB13 [29], TranTDB13 [456], HeinzB12 [218], TerekhovDOB12 [441], TranB12 [453], KovacsB11 [267], BeckFW11 [51], HeckmanB11 [217], BajestaniB11 [28], WuBB09 [495], BidotVLB09 [77], WatsonB08 [487], KovacsB08 [266], BeckW07 [58], Beck07 [49], KovacsB07 [265], Beck06 [48], CarchraeBF05 [108], WuBB05 [494], BeckW05 [57], BeckW04 [56], BeckR03 [55], BeckPS03 [54], BeckF00 [53], Beck99 [47], BeckF98 [52], BeckDF97 [50]
Michela Milano	24	BorghesiBLMB18 [96], BonfiettiZLM16 [94], BridiBLMB16 [101], BridiLBBM16 [102], LombardiBM15 [303], BartoliniBBLM14 [45], BonfiettiLM14 [92], BonfiettiLBM14 [90], BonfiettiLM13 [91], LombardiM13 [310], LombardiM12 [309], BonfiettiLBM12 [89], LombardiM12a [308], BonfiettiM12 [93], BonfiettiLBM11 [88], LombardiBMB11 [304], BeniniLMR11 [73], LombardiM10 [307], LombardiM10a [306], LombardiM09 [305], RuggieroBBMA09 [398], BeniniBGM06 [72], LammaMM97 [286], BrusoniCLMMT96 [103]
Andreas Schutt	24	YangSS19 [496], KreterSSZ18 [275], GoldwaserS18 [193], MusliuSS18 [346], KreterSS17 [274], YoungFS17 [498], GoldwaserS17 [192], SchuttS16 [412], SzerediS16 [433], KreterSS15 [273], EvenSH15 [152], EvenSH15a [153], ThiruvadyWGS14 [446], SchuttFS13 [407], SchuttFS13a [406], GuSS13 [204], SchuttFSW13 [411], ChuGNSW13 [113], SchuttCSW12 [405], SchuttFSW11 [410], SchuttW10 [413], abs-1009-0347 [409], SchuttFSW09 [408], SchuttWS05 [414]
Peter J. Stuckey	21	YangSS19 [496], DemirovicS18 [136], KreterSSZ18 [275], MusliuSS18 [346], KreterSS17 [274], SchuttS16 [412], BlomPS16 [82], KreterSS15 [273], BurtLPS15 [104], BlomBPS14 [81], LipovetzkyBPS14 [299], SchuttFS13 [407], SchuttFS13a [406], GuSS13 [204], SchuttFSW13 [411], SchuttCSW12 [405], GuSW12 [205], SchuttFSW11 [410], BandaSC11 [131], abs-1009-0347 [409], SchuttFSW09 [408]
Michele Lombardi	20	BorghesiBLMB18 [96], BonfiettiZLM16 [94], BridiBLMB16 [101], BridiLBBM16 [102], LombardiBM15 [303], BartoliniBBLM14 [45], BonfiettiLM14 [92], BonfiettiLBM14 [90], BonfiettiLM13 [91], LombardiM13 [310], LombardiM12 [309], BonfiettiLBM12 [89], LombardiM12a [308], BonfiettiLBM11 [88], LombardiBMB11 [304], BeniniLMR11 [73], LombardiM10 [307], LombardiM10a [306], LombardiM09 [305], HoeveGSL07 [466]
Emmanuel Hebrard	17	JuvinHHL23 [244], HebrardALLCMR22 [213], AntuoriHHEN21 [13], ArtiguesHQT21 [19], GodetLHS20 [189], AntuoriHHEN20 [12], HebrardHJMPV16 [214], SimoninAHL15 [422], SialaAHL15 [420], GrimesH15 [198], BessiereHMQW14 [76], SimoninAHL12 [421], BillautHL12 [78], GrimesH11 [197], GrimesH10 [196], GrimesHM09 [199], HebrardTW05 [215]
Nicolas Beldiceanu	13	Madi-WambaLOBM17 [320], Madi-WambaB16 [319], LetortCB15 [291], LetortCB13 [290], LetortBC12 [289], ClercqPBJ11 [116], BeldiceanuCDP11 [65], BeldiceanuCP08 [66], PoderB08 [377], BeldiceanuP07 [67], PoderBS04 [378], BeldiceanuC02 [64], AggounB93 [5]
Christian Artigues	12	PovedaAA23 [383], PohlAK22 [379], HebrardALLCMR22 [213], ArtiguesHQT21 [19], Polo-MejiaALB20 [380], NattafAL17 [349], SimoninAHL15 [422], NattafAL15 [348], SialaAHL15 [420], SimoninAHL12 [421], ArtiguesBF04 [18], ArtiguesR00 [20]
Pierre Lopez	12	JuvinHHL23 [244], JuvinHL23 [245], HebrardALLCMR22 [213], Polo-MejiaALB20 [380], NattafAL17 [349], SimoninAHL15 [422], NattafAL15 [348], SimoninAHL12 [421], BillautHL12 [78], LahimerLH11 [285], TrojetHL11 [460], LopezAKYG00 [312]
Roman Barták	11	SvancaraB22 [432], JelinekB16 [241], BartakV15 [44], Bartak14 [40], BartakS11 [42], BartakCS10 [41], BartakSR10 [43], VilimBC05 [477], VilimBC04 [476], Bartak02 [39], Bartak02a [38]
Petr Vilím	11	LaborieRSV18 [282], VilimLS15 [478], Vilim11 [475], Vilim09 [473], Vilim09a [474], VilimBC05 [477], Vilim05 [472], VilimBC04 [476], Vilim04 [471], Vilim03 [470], Vilim02 [469]
Luca Benini	10	BorghesiBLMB18 [96], BridiBLMB16 [101], BridiLBBM16 [102], BonfiettiLBM14 [90], BonfiettiLBM12 [89], BonfiettiLBM11 [88], LombardiBMB11 [304], BeniniLMR11 [73], RuggieroBBMA09 [398], BeniniBGM06 [72]
Alessio Bonfietti	10	BonfiettiZLM16 [94], Bonfietti16 [87], LombardiBM15 [303], BonfiettiLM14 [92], BonfiettiLBM14 [90], BonfiettiLM13 [91], BonfiettiLBM12 [89], BonfiettiM12 [93], BonfiettiLBM11 [88], LombardiBMB11 [304]
Philippe Laborie	10	LunardiBLRV20 [315], LaborieRSV18 [282], Laborie18a [281], MelgarejoLS15 [6], VilimLS15 [478], Laborie09 [280], BidotVLB09 [77], BaptisteLPN06 [33], GodardLN05 [187], FocacciLN00 [161]
Nysret Musliu	9	LacknerMMWW23 [284], WinterMMW22 [490], LacknerMMWW21 [283], GeibingerKKMMW21 [178], GeibingerMM21 [181], GeibingerMM19 [180], abs-1911-04766 [179], MusliuSS18 [346], KletzanderM17 [260]
John N. Hooker	9	Hooker17 [235], HechingH16 [216], CireCH13 [115], CobanH10 [117], Hooker06 [234], Hooker05 [232], Hooker05a [233], Hooker04 [231], HookerY02 [236]
Claude-Guy Quimper	9	BoudreaultSLQ22 [98], OuelletQ22 [365], Mercier-AubinGQ20 [332], FahimiOQ18 [154], KameugneFGOQ18 [248], OuelletQ18 [364], GingrasQ16 [186], BessiereHMQW14 [76], OuelletQ13 [363]
Pierre Schaus	9	CappartS17 [107], CauwelaertDMS16 [110], DejemeppesCS15 [133], GayHLS15 [173], GayHS15 [174], GayHS15a [175], HoundjiSWD14 [237], GaySS14 [176], SchausHMCMD11 [403]
Tony T. Tran	9	TranPZLDB18 [455], TranVNB17 [457], TranVNB17a [458], TranAB16 [452], TranWDRFOVB16 [459], TranDRFWOVB16 [454], TerekhovTDB14 [442], TranTDB13 [456], TranB12 [453]
Pascal Van Hentenryck	9	FontaineMH16 [162], EvenSH15 [152], EvenSH15a [153], SchausHMCMD11 [403], MonetteDH09 [336], DoomsH08 [143], HentenryckM08 [227], HentenryckM04 [226], DincbasSH90 [142]
Philippe Baptiste	8	BaptisteB18 [32], Baptiste09 [31], BaptisteLPN06 [33], ArtiouchineB05 [21], BaptisteP00 [35], PapaB98 [370], BaptisteP97 [34], PapeB97 [369]
Mats Carlsson	8	WessenCS20 [488], MossigeGSMC17 [339], LetortCB15 [291], LetortCB13 [290], LetortBC12 [289], BeldiceanuCDP11 [65], BeldiceanuCP08 [66], BeldiceanuC02 [64]

Table 8: Co-Authors of Articles/Papers

Author	NrWorks	Entries
Helmut Simonis	8	ArmstrongGOS22 [16], ArmstrongGOS21 [15], GrimesIOS14 [200], IfrimOS12 [239], Simonis07 [424], SimonisC95 [425], Simonis95 [423], DincbasSH90 [142]
Mark Wallace	8	WallaceY20 [483], He0GLW18 [212], ThiruvadyWGS14 [446], SchuttFSW09 [408], SakkoutW00 [402], RodosekW98 [394], Wallace96 [482], Wallace94 [481]
Thibaut Feydy	7	YoungFS17 [498], SchuttFS13 [407], SchuttFS13a [406], SchuttFSW13 [411], SchuttFSW11 [410], abs-1009-0347 [409], SchuttFSW09 [408]
Zdenek Hanzálek	7	Mehdizadeh-Somarin23 [328], abs-2305-19888 [224], HeinzNVH22 [223], VlkHT21 [480], BenediktSMVH18 [71], KelbelH11 [254]
András Kovács	7	KovacsB11 [267], KovacsK11 [269], KovacsB08 [266], KovacsB07 [265], KovacsV06 [271], KovacsEKV05 [268], KovacsV04 [270]
Gabriela P. Henning	7	NovaraNH16 [355], NovasH14 [359], NovasH12 [358], NovasH10 [357], ZeballosQH10 [505], ZeballosH05 [504], QuirogaZH05 [391]
Stefan Heinz	6	HeinzSB13 [222], HeinzKB13 [219], HeinzSSW12 [220], HeinzB12 [218], HeinzS11 [221], BertholdHLMS10 [75]
Claude Le Pape	6	BaptisteLPN06 [33], BaptisteP00 [35], PapaB98 [370], NuijtenP98 [361], BaptisteP97 [34], PapeB97 [369]
Emmanuel Poder	6	BeldiceanuCDP11 [65], abs-0907-0939 [376], BeldiceanuCP08 [66], PoderB08 [377], BeldiceanuP07 [67], PoderBS04 [378]
Yves Deville	5	HoundjiSWD14 [237], DejemeppeD14 [134], SchausHMCMD11 [403], MonetteDH09 [336], MonetteDD07 [335]
Mark G. Wallace	5	SchuttFSW13 [411], SchuttCSW12 [405], GuSW12 [205], SchuttFSW11 [410], abs-1009-0347 [409]
Diarmuid Grimes	5	GrimesH15 [198], GrimesIOS14 [200], GrimesH11 [197], GrimesH10 [196], GrimesHM09 [199]
Roger Kameugne	5	KameugneFND23 [249], KameugneFGOQ18 [248], Kameugne15 [247], KameugneFSN14 [251], KameugneFSN11 [250]
Juan M. Novas	5	Novas19 [356], NovaraNH16 [355], NovasH14 [359], NovasH12 [358], NovasH10 [357]
Wim Nuijten	5	BaptisteLPN06 [33], GodardLN05 [187], SourdN00 [426], FocacciLN00 [161], NuijtenP98 [361]
Louis-Martin Rousseau	5	DoulabiRP16 [145], PesantRR15 [375], DoulabiRP14 [144], ChapadosJR11 [112], HachemiGR11 [207]
Marek Vlk	5	abs-2305-19888 [224], HeinzNVH22 [223], VlkHT21 [480], BenediktSMVH18 [71], BartakV15 [44]
Armin Wolf	5	GeitzGSSW22 [182], SchuttW10 [413], WolfS05 [492], SchuttWS05 [414], Wolf03 [491]
André A. Ciré	4	CireCH13 [115], LopesCSM10 [311], MouraSCL08 [341], MouraSCL08a [340]
Andrea Bartolini	4	BorghesiBLMB18 [96], BridiBLMB16 [101], BridiLBBM16 [102], BartoliniBBLM14 [45]
Cyrille Dejemeppe	4	CauwelaertDMS16 [110], Dejemeppe16 [132], DejemeppeCS15 [133], DejemeppeD14 [134]
Steven Gay	4	GayHLS15 [173], GayHS15 [174], GayHS15a [175], GaySS14 [176]
Tobias Geibinger	4	GeibingerKKMMW21 [178], GeibingerMM21 [181], GeibingerMM19 [180], abs-1911-04766 [179]
Laurent Michel	4	TardivoDFMP23 [436], SchausHMCMD11 [403], HentenryckM08 [227], HentenryckM04 [226]
Florian Mischek	4	GeibingerKKMMW21 [178], GeibingerMM21 [181], GeibingerMM19 [180], abs-1911-04766 [179]
Jean-Noël Monette	4	CauwelaertDMS16 [110], SchausHMCMD11 [403], MonetteDH09 [336], MonetteDD07 [335]
Margaux Nattaf	4	NattafM20 [350], MalapertN19 [322], NattafAL17 [349], NattafAL15 [348]
Goldie Nejat	4	TranVNB17 [457], TranVNB17a [458], BoothNB16 [95], LouieVNB14 [314]
Barry O'Sullivan	4	ArmstrongGOS22 [16], ArmstrongGOS21 [15], GrimesIOS14 [200], IfrimOS12 [239]
Yanick Ouellet	4	OuelletQ22 [365], FahimiOQ18 [154], KameugneFGOQ18 [248], OuelletQ18 [364]
Gilles Pesant	4	AalianPG23 [1], DoulabiRP16 [145], PesantRR15 [375], DoulabiRP14 [144]
Thierry Petit	4	DerrienP14 [138], DerrienPZ14 [139], ClercqPBJ11 [116], abs-0907-0939 [376]
Cédric Pralet	4	SquillaciPR23 [427], Pralet17 [384], HebrardHJMPV16 [214], PraletLJ15 [385]
Adrian R. Pearce	4	BlomPS16 [82], BurtLPS15 [104], BlomBPS14 [81], LipovetzkyBPS14 [299]
Dhananjay R. Thiruvady	4	abs-2402-00459 [351], abs-2211-14492 [429], ThiruvadyWGS14 [446], ThiruvadyBME09 [445]
Christine Solnon	4	GroleazNS20 [202], GroleazNS20a [201], SacramentoSP20 [399], MelgarejoLS15 [6]
József Váncza	4	KovacsV06 [271], KovacsEKV05 [268], KovacsV04 [270], VanczaM01 [467]
Toby Walsh	4	GelainPRVW17 [183], BessiereHMQW14 [76], ChuGNSW13 [113], HebrardTW05 [215]
Felix Winter	4	LacknerMMWW23 [284], WinterMMW22 [490], LacknerMMWW21 [283], GeibingerKKMMW21 [178]
Francisco Yuraszeck	4	YuraszeckMCCR23 [502], YuraszeckMC23 [500], YuraszeckMPV22 [501], MejiaY20 [329]
Max Åstrand	4	Astrand0F21 [23], Astrand21 [22], AstrandJZ20 [25], AstrandJZ18 [24]
Miguel A. Salido	3	BartakS11 [42], BartakSR10 [43], AbrilSB05 [3]
Maliheh Aramon Bajestani	3	BajestaniB15 [30], BajestaniB13 [29], BajestaniB11 [28]
Séverine Betmbe Fetgo	3	KameugneFND23 [249], FetgoD22 [160], KameugneFGOQ18 [248]
Miquel Bofill	3	BofillCSV17 [84], BofillGSV15 [86], BofillEGPSV14 [85]
Thomas Bridi	3	BridiBLMB16 [101], BridiLBBM16 [102], BartoliniBBLM14 [45]
Cid C. de Souza	3	MouraSCL08 [341], MouraSCL08a [340], HeipckeCCS00 [225]
Ondrej Cepek	3	BartakCS10 [41], VilimBC05 [477], VilimBC04 [476]
Erich Christian Teppan	3	Teppan22 [440], ColT22 [121], ColT19 [120]
Geoffrey Chu	3	ChuGNSW13 [113], SchuttCSW12 [405], BandaSC11 [131]
Giacomo Da Col	3	ColT22 [121], abs-2102-08778 [119], ColT19 [120]
Sophie Demassey	3	HermenierDL11 [228], BeldiceanuCDP11 [65], Demassey03 [135]
Alban Derrien	3	Derrien15 [137], DerrienP14 [138], DerrienPZ14 [139]
Jeremy Frank	3	TranWDRFOVB16 [459], TranDRFWOVB16 [454], FrankK05 [164]
Douglas G. Down	3	TranPZLDB18 [455], TerekhovTDB14 [442], TranTDB13 [456]
Michele Garraffa	3	AlfieriGPS23 [9], ArmstrongGOS22 [16], ArmstrongGOS21 [15]

Table 8: Co-Authors of Articles/Papers

Author	NrWorks	Entries
Martin Gebser	3	TasselGS23 [437], abs-2306-05747 [438], KovacsTKSG21 [272]
Jean-Claude Gentina	3	KorbaaYG00 [263], LopezAKYG00 [312], KorbaaYG99 [262]
Hanyu Gu	3	ThiruvadyWGS14 [446], GuSS13 [204], GuSW12 [205]
Renaud Hartert	3	GayHLS15 [173], GayHS15 [174], GayHS15a [175]
Brahim Hnich	3	GokgurHO18 [191], OzturkTHO13 [367], RossiTHP07 [397]
Marie-José Huguet	3	AntuoriHHEN21 [13], AntuoriHHEN20 [12], HebrardHJMPV16 [214]
Andrew J. Davenport	3	Davenport10 [126], DavenportKRSH07 [127], BeckDF97 [50]
Mikael Johansson	3	Astrand0F21 [23], AstrandJZ20 [25], AstrandJZ18 [24]
Narendra Jussien	3	ClercqPBJ11 [116], ElkhayariGJ02 [148], ElkhayariGJ02a [149]
Tamás Kis	3	KovacsK11 [269], KeriK07 [255], KovacsEKV05 [268]
Ouajdi Korbaa	3	KorbaaYG00 [263], LopezAKYG00 [312], KorbaaYG99 [262]
Stefan Kreter	3	KreterSSZ18 [275], KreterSS17 [274], KreterSS15 [273]
Krzysztof Kuchcinski	3	WolinskiKG04 [493], KuchcinskiW03 [277], GruianK98 [203]
Arnaud Letort	3	LetortCB15 [291], LetortCB13 [290], LetortBC12 [289]
Arnaud Malapert	3	NattafM20 [350], MalapertN19 [322], GrimesHM09 [199]
Tony Minoru Tamura Lopes	3	LopesCSM10 [311], MouraSCL08 [341], MouraSCL08a [340]
Kenneth N. Brown	3	MurphyMB15 [344], WuBB09 [495], WuBB05 [494]
Christina N. Burt	3	BurtLPS15 [104], BlomBPS14 [81], LipovetzkyBPS14 [299]
Hiroki Nishikawa	3	NishikawaSTT19 [354], NishikawaSTT18 [352], NishikawaSTT18a [353]
Levi Ribeiro de Abreu	3	AbreuNP23 [130], AbreuN22 [129], AbreuAPNM21 [128]
Mark S. Fox	3	BeckF00 [53], BeckF98 [52], BeckDF97 [50]
Jens Schulz	3	HeinzSB13 [222], HeinzS11 [221], BertholdHMLS10 [75]
Marcelo Seido Nagano	3	AbreuNP23 [130], AbreuN22 [129], AbreuAPNM21 [128]
Kana Shimada	3	NishikawaSTT19 [354], NishikawaSTT18 [352], NishikawaSTT18a [353]
Gilles Simonin	3	GodetLHS20 [189], SimoninAHL15 [422], SimoninAHL12 [421]
Tiago Stegun Vaquero	3	TranVNB17 [457], TranVNB17a [458], LouieVNB14 [314]
Josep Suy	3	BofillCSV17 [84], BofillGSV15 [86], BofillEGPSV14 [85]
Ittetsu Taniguchi	3	NishikawaSTT19 [354], NishikawaSTT18 [352], NishikawaSTT18a [353]
Pierre Tassel	3	TasselGS23 [437], abs-2306-05747 [438], KovacsTKSG21 [272]
Daria Terekhov	3	TerekhovTDB14 [442], TranTDB13 [456], TerekhovDOB12 [441]
Hiroyuki Tomiyama	3	NishikawaSTT19 [354], NishikawaSTT18 [352], NishikawaSTT18a [353]
Seyda Topaloglu Yildiz	3	IsikYA23 [240], YunusogluY22 [499], KucukY19 [279]
Gérard Verfaillie	3	HebrardHJMPV16 [214], VerfaillieL01 [468], BensanaLV99 [74]
Arnaldo Vieira Moura	3	LopesCSM10 [311], MouraSCL08 [341], MouraSCL08a [340]
Mateu Villaret	3	BofillCSV17 [84], BofillGSV15 [86], BofillEGPSV14 [85]
Daniel Walkiewicz	3	LacknerMMWW23 [284], WinterMMW22 [490], LacknerMMWW21 [283]
Nic Wilson	3	BeckW07 [58], BeckW05 [57], BeckW04 [56]
Pascal Yim	3	KorbaaYG00 [263], LopezAKYG00 [312], KorbaaYG99 [262]
Alessandro Zanarini	3	AstrandJZ20 [25], AstrandJZ18 [24], BonfiettiZLM16 [94]
Luis Zeballos	3	ZeballosQH10 [505], ZeballosH05 [504], QuirogaZH05 [391]
Laurence A. Wolsey	2	HoundjiSWD14 [237], SadykovW06 [401]
Bruno A. Prata	2	PrataAN23 [386], AbreuNP23 [130]
Valentin Antuori	2	AntuoriHHEN21 [13], AntuoriHHEN20 [12]
Eddie Armstrong	2	ArmstrongGOS22 [16], ArmstrongGOS21 [15]
Amelia Badica	2	BadicaBI20 [26], BadicaBIL19 [27]
Costin Badica	2	BadicaBI20 [26], BadicaBIL19 [27]
Pierre Baptiste	2	BoucherBVBL97 [97], BaptisteLV92 [36]
Nicolas Barnier	2	WangB23 [485], WangB20 [484]
Ondrej Benedikt	2	BenediktMH20 [70], BenediktSMVH18 [71]
Davide Bertozzi	2	RuggieroBBMA09 [398], BeniniBGM06 [72]
Jean-Charles Billaut	2	BillautHL12 [78], LorigeonBB02 [313]
Andrea Borghesi	2	BorghesiBLMB18 [96], BartoliniBBLM14 [45]
Dario Canut-de-Bon	2	YuraszeckMCCR23 [502], YuraszeckMC23 [500]
Quentin Cappart	2	PopovicCGNC22 [381], CappartS17 [107]
Amedeo Cesta	2	OddiPCC03 [362], CestaOS98 [111]
Elvin Coban	2	CireCH13 [115], CobanH10 [117]

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Author	NrWorks	Entries
Yves Colombani	2	HeipckeCCS00 [225], Colombani96 [122]
Joseph D. Scott	2	KameugneFSN14 [251], KameugneFSN11 [250]
Mauro Dell’Amico	2	MontemanniD23 [338], MontemanniD23a [337]
Minh Do	2	TranWDRFOVB16 [459], TranDRFWOVB16 [454]
Hani El Sakkout	2	KamarainenS02 [246], SakkoutW00 [402]
Abdallah Elkhyari	2	ElkhyariGJ02 [148], ElkhyariGJ02a [149]
Tamer Eren	2	GurPAE23 [206], GurEA19 [518]
Siham Essodaigui	2	AntuoriHHEN21 [13], AntuoriHHEN20 [12]
Caroline Even	2	EvenSH15 [152], EvenSH15a [153]
Minhaz F. Zibran	2	ZibranR11 [515], ZibranR11a [516]
Azadeh Farsi	2	FarsiTM22 [158], MokhtarzadehTNF20 [334]
Dominique Feillet	2	Acuna-AgostMFG09 [4], ArtiguesBF04 [18]
Maurizio Gabbrielli	2	LiuCGM17 [301], FalaschiGMP97 [155]
Michel Gamache	2	AalianPG23 [1], CampeauG22 [106]
Marc Garcia	2	BofillGSV15 [86], BofillEGPSV14 [85]
Antonio Garrido	2	GarridoAO09 [171], GarridoOS08 [172]
Eleanor Gilbert Rieffel	2	TranWDRFOVB16 [459], TranDRFWOVB16 [454]
Vincent Gingras	2	KameugneFGOQ18 [248], GingrasQ16 [186]
Arthur Godet	2	Godet21a [188], GodetLHS20 [189]
Adrian Goldwaser	2	GoldwaserS18 [193], GoldwaserS17 [192]
Arnaud Gotlieb	2	MossigeGSMC17 [339], AlesioNBG14 [140]
Lucas Groleaz	2	GroleazNS20 [202], GroleazNS20a [201]
Christelle Guéret	2	ElkhyariGJ02 [148], ElkhyariGJ02a [149]
Andy Ham	2	HamPK21 [209], Ham18 [208]
Vilém Heinz	2	abs-2305-19888 [224], HeinzNVH22 [223]
Seyed Hossein Hashemi Doulabi	2	DoulabiRP16 [145], DoulabiRP14 [144]
Laurent Houssin	2	JuvinHHL23 [244], JuvinHL23 [245]
Georgiana Ifrim	2	GrimesIOS14 [200], IfrimOS12 [239]
Mirjana Ivanovic	2	BadicaBI20 [26], BadicaBIL19 [27]
Willem Jan van Hoeve	2	HoeveGSL07 [466], GomesHS06 [195]
Carla Juvin	2	JuvinHHL23 [244], JuvinHL23 [245]
Chanchal K. Roy	2	ZibranR11 [515], ZibranR11a [516]
Lucas Kletzander	2	GeibingerKKMMW21 [178], KletzanderM17 [260]
Jan Kristof Behrens	2	BehrensLM19 [61], abs-1901-07914 [62]
Wen-Yang Ku	2	KuB16 [276], HeinzKB13 [219]
Michelle L. Blom	2	BlomPS16 [82], BlomBPS14 [81]
Marie-Louise Lackner	2	LacknerMMWW23 [284], LacknerMMWW21 [283]
Arnaud Lallouet	2	PerezGSL23 [373], abs-2312-13682 [374]
Evelina Lamma	2	LammaMM97 [286], BrusoniCLMMT96 [103]
Ralph Lange	2	BehrensLM19 [61], abs-1901-07914 [62]
Bruno Legeard	2	BoucherBVBL97 [97], BaptisteLV92 [36]
Michel Lemaitre	2	VerfaillieL01 [468], BensanaLV99 [74]
BoonPing Lim	2	LimHTB16 [295], LimBTBB15 [296]
Kamol Limtanyakul	2	LimtanyakulS12 [298], Limtanyakul07 [297]
Nir Lipovetzky	2	BurtLPS15 [104], LipovetzkyBPS14 [299]
James Little	2	KrogtLPHJ07 [465], Darby-DowmanLMZ97 [125]
Shixin Liu	2	LiFJZLL22 [292], ZhangJZL22 [506]
Xavier Lorca	2	GodetLHS20 [189], HermenierDL11 [228]
Abid M. Malik	2	Malik08 [323], MalikMB08 [324]
Gilles Madi-Wamba	2	Madi-WambaLOBM17 [320], Madi-WambaB16 [319]
Adrien Maillard	2	HebrardALLCMR22 [213], HebrardHJMPV16 [214]
Masoumeh Mansouri	2	BehrensLM19 [61], abs-1901-07914 [62]
Gonzalo Mejía	2	YuraszeckMC23 [500], MejiaY20 [329]
Paola Mello	2	LammaMM97 [286], BrusoniCLMMT96 [103]
Philippe Michelon	2	Acuna-AgostMFG09 [4], LiessM08 [293]
Mahdi Mokhtarzadeh	2	FarsiTM22 [158], MokhtarzadehTNF20 [334]

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Author	NrWorks	Entries
Roberto Montemanni	2	MontemanniD23 [338], MontemanniD23a [337]
Christoph Mrkvicka	2	LacknerMMWW23 [284], LacknerMMWW21 [283]
István Módos	2	BenediktMH20 [70], BenediktSMVH18 [71]
Samba Ndojh Ndiaye	2	GroleazNS20 [202], GroleazNS20a [201]
Youcheu Ngo-Kateu	2	KameugneFSN14 [251], KameugneFSN11 [250]
Alain Nguyen	2	AntuoriHHEN21 [13], AntuoriHHEN20 [12]
Su Nguyen	2	abs-2402-00459 [351], abs-2211-14492 [429]
Antonín Novák	2	abs-2305-19888 [224], HeinzNVH22 [223]
Bryan O’Gorman	2	TranWDRFOVB16 [459], TranDRFWOVB16 [454]
Angelo Oddi	2	OddiPCC03 [362], CestaOS98 [111]
Eva Onaindia	2	GarridoAO09 [171], GarridoOS08 [172]
Carla P. Gomes	2	HoeveGSL07 [466], GomesHS06 [195]
Laure Pauline Fotso	2	KameugneFSN14 [251], KameugneFSN11 [250]
Guillaume Perez	2	PerezGSL23 [373], abs-2312-13682 [374]
Erwin Pesch	2	MullerMKP22 [342], BlazewiczEP19 [80]
Enrico Pontelli	2	TardivoDFMP23 [436], VillaverdeP04 [479]
Oscar Quiroga	2	ZeballosQH10 [505], QuirogaZH05 [391]
Günther R. Raidl	2	FrohnerTR19 [167], RendIPHR12 [392]
Philippe Refalo	2	GarganiR07 [170], BeckR03 [55]
Francesca Rossi	2	GelainPRVW17 [183], BartakSR10 [43]
Martino Ruggiero	2	BeniniLMR11 [73], RuggieroBBMA09 [398]
Ruslan Sadykov	2	SadykovW06 [401], Sadykov04 [400]
Konstantin Schekotihin	2	TasselGS23 [437], abs-2306-05747 [438]
Gunnar Schrader	2	WolfS05 [492], SchuttWS05 [414]
Christian Schulte	2	WessenCS20 [488], FrimodigS19 [166]
Bart Selman	2	HoeveGSL07 [466], GomesHS06 [195]
Paul Shaw	2	LaborieRSV18 [282], VilimLS15 [478]
Mohamed Siala	2	Siala15 [419], SialaAH15 [420]
Wijnand Suijlen	2	PerezGSL23 [373], abs-2312-13682 [374]
Yuan Sun	2	abs-2402-00459 [351], abs-2211-14492 [429]
Andreas T. Ernst	2	abs-2211-14492 [429], ThiruvadyBME09 [445]
Reza Tavakkoli-Moghaddam	2	Mehdizadeh-Somarin23 [328], MokhtarzadehTNF20 [334]
Clémentin Tayou Djamégni	2	KameugneFND23 [249], FetgoD22 [160]
Erich Teppan	2	abs-2102-08778 [119], FriedrichFMRSS14 [165]
Alexander Tesch	2	Tesch18 [444], Tesch16 [443]
Sylvie Thiébaux	2	LimHTB16 [295], LimBTBB15 [296]
Behdin Vahedi Nouri	2	Mehdizadeh-Somarin23 [328], MokhtarzadehTNF20 [334]
Sascha Van Cauwelaert	2	CauwelaertDMS16 [110], DejemeppeCS15 [133]
Christophe Varnier	2	BoucherBVBL97 [97], BaptisteLV92 [36]
Davide Venturelli	2	TranWDRFOVB16 [459], TranDRFWOVB16 [454]
Ruixin Wang	2	WangB23 [485], WangB20 [484]
Zhihui Wang	2	TranWDRFOVB16 [459], TranDRFWOVB16 [454]
Jean-Paul Watson	2	BeckFW11 [51], WatsonB08 [487]
Christine Wei Wu	2	WuBB09 [495], WuBB05 [494]
Christophe Wolinski	2	WolinskiKG04 [493], KuchcinskiW03 [277]
Farouk Yalaoui	2	OujanaAYB22 [366], ArbaouiY18 [14]
Neil Yorke-Smith	2	EfthymiouY23 [147], WallaceY20 [483]
Ziyan Zhao	2	LiFJZLL22 [292], ZhangJZL22 [506]
Jianyang Zhou	2	Zhou97 [512], Zhou96 [511]
Willem-Jan van Hoeve	2	GilesH16 [185], GoelSHFS15 [190]
Menkes van den Briel	2	LimHTB16 [295], LimBTBB15 [296]
Peter van Beek	2	BegB13 [60], MalikMB08 [324]
Florian A. Herzog	1	KoehlerBFFHPSSS21 [261]
J. A. Hoogeveen	1	AkkerDH07 [463]
M. A. Hakim Newton	1	RiahiNS018 [393]
Viktoria A. Hauder	1	abs-1902-09244 [211]

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Author	NrWorks	Entries
Amr A. Kandil	1	TangLWSK18 [435]
Antonio A. Márquez	1	ValleMGTO3 [462]
Kennedy A. G. Araújo	1	AbreuAPNM21 [128]
Steve A. Chien	1	HebrardALLCMR22 [213]
Sheila A. McIlraith	1	LuoVLBM16 [317]
Younes Aalian	1	AalianPG23 [1]
Hanaa Abohashima	1	AbohashimaEG21 [2]
Montserrat Abril	1	AbrilSB05 [3]
Rodrigo Acuna-Agost	1	Acuna-AgostMFG09 [4]
W. Adelman	1	EscobetPQPRA19 [151]
Michael Affenzeller	1	abs-1902-09244 [211]
Abderrahmane Aggoun	1	AggounB93 [5]
Penélope Aguiar-Melgarejo	1	MelgarejoLS15 [6]
Sanjay Ahire	1	KanetAG04 [252]
Aftab Ahmed Shaikh	1	ShaikhK23 [416]
Uwe Aickelin	1	abs-2211-14492 [429]
Mohsen Akbarpour Shirazi	1	ZarandiKS16 [503]
Arianna Alfieri	1	AlfieriGPS23 [9]
S. Ali Torabi	1	FarsiTM22 [158]
Samira Alizdeh	1	AlizdehS20 [10]
Hassane Alla	1	LopezAKYG00 [312]
Lionel Amodeo	1	OujanaAYB22 [366]
Alexandru Andrei	1	RuggieroBBMA09 [398]
Ola Angelsmark	1	AngelsmarkJ00 [11]
Richard Anthony Valenzano	1	LuoVLBM16 [317]
M. Anton Ertl	1	ErtlK91 [150]
Zbigniew Antoni Banaszak	1	BocewiczBB09 [83]
Marlene Arangú	1	GarridoAO09 [171]
Arthur Araujo	1	TranAB16 [452]
Taha Arbaoui	1	ArbaouiY18 [14]
Martin Aronsson	1	AronssonBK09 [17]
M. Arslan Ornek	1	OzturkTHO13 [367]
Konstantin Artiouchine	1	ArtiouchineB05 [21]
Arezo Atighehchian	1	YounespourAKE19 [497]
Abdullah Ayub Khan	1	ShaikhK23 [416]
Emrah B. Edis	1	EdisO11 [146]
Amr B. Eltawil	1	AbohashimaEG21 [2]
Maya B. Gokhale	1	WolinskiKG04 [493]
David B. H. Tay	1	Tay92 [439]
Özalp Babaoglu	1	GalleguillosKSB19 [169]
Irena Bach	1	BocewiczBB09 [83]
Astrid Bachelu	1	BoucherBVBL97 [97]
Scott Backhaus	1	LimBTBB15 [296]
Naderi, Bahman	1	NaderiRR23 [347]
Hari Balasubramanian	1	ShinBBHO18 [418]
Viet Bang Nguyen	1	LauLN08 [287]
Federico Barber	1	AbrilSB05 [3]
Ada Barlatt	1	BarlattCG08 [37]
Mohammadreza Barzegaran	1	BarzegaranZP20 [46]
Virginie Basini	1	Polo-MejiaALB20 [380]
Andreas Beham	1	abs-1902-09244 [211]
N Beldiceanu	1	BeldiceanuC94 [63]
Said Belhadji	1	BelhadjiI98 [68]
Sana Belmokhtar	1	ArtiguesBF04 [18]
Fatima Benbouzid-Si Tayeb	1	TouatBT22 [450]
Till Bender	1	BenderWS21 [69]

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Author	NrWorks	Entries
Belaid Benhamou	1	TouatBT22 [450]
Hachemi Bennaceur	1	KhemmoudjPB06 [257]
E. Bensana	1	BensanaLV99 [74]
Russell Bent	1	LimBTBB15 [296]
Timo Berthold	1	BertholdHLMS10 [75]
Christian Bessiere	1	BessiereHMQW14 [76]
Julien Bidot	1	BidotVLB09 [77]
Arthur Bit-Monnot	1	Bit-Monnot23 [79]
Jacek Blazewicz	1	BlazewiczEP19 [80]
Christian Blum	1	ThiruvadyBME09 [445]
Grzegorz Bocewicz	1	BocewiczBB09 [83]
Markus Bohlin	1	AronssonBK09 [17]
Nicolas Bonifas	1	BaptisteB18 [32]
Eric Boucher	1	BoucherBVBL97 [97]
Raphaël Boudreault	1	BoudreaultSLQ22 [98]
Jean-Louis Bouquard	1	LorigeonBB02 [313]
Eric Bourreau	1	BourreauGGLT22 [99]
Silvia Breiteringer	1	BreiteringerL95 [100]
Kristen Brent Venable	1	GelainPRVW17 [183]
D. Brodart	1	OujanaAYB22 [366]
Yuriy Brun	1	ShinBBHO18 [418]
Vittorio Brusoni	1	BrusoniCLMMT96 [103]
Josef Bürgler	1	KoehlerBFFHPSSS21 [261]
Cristina C. B. Cavalcante	1	HeipckeCCS00 [225]
Lionel C. Briand	1	AlesioNBG14 [140]
Eugene C. Freuder	1	CarchraeBF05 [108]
Kevin C. Furman	1	GoelSHFS15 [190]
Joseph C. Pemberton	1	PembertonG98 [372]
Hendrik C. R. Lock	1	BreiteringerL95 [100]
Louis-Pierre Campeau	1	CampeauG22 [106]
Tom Carchrae	1	CarchraeBF05 [108]
Cid Carvalho de Souza	1	LopesCSM10 [311]
Yves Caseau	1	Caseau97 [109]
Yao-Ting Chang	1	HoYCLLC18 [230]
Nicolas Chapados	1	ChapadosJR11 [112]
Mohammad Cherkaoui	1	FallahAC20 [156]
Han-Mo Chiu	1	HoYCLLC18 [230]
Yeonjun Choi	1	KimCMLLP23 [258]
Yingyi Chu	1	ChuX05 [114]
Sue-Min Chu	1	HoYCLLC18 [230]
Hoong Chuin Lau	1	LauLN08 [287]
Carleton Coffrin	1	SchausHMCMD11 [403]
Eldan Cohen	1	CohenHB17 [118]
Jordi Coll Caballero	1	Caballero23 [105]
Jordi Coll	1	BofillCSV17 [84]
Luca Console	1	BrusoniCLMMT96 [103]
E Contejean	1	BeldiceanuC94 [63]
Trijntje Cornelissens	1	SimonisC95 [425]
Gabriella Cortellessa	1	OddiPCC03 [362]
Nicolás Cuneo	1	YuraszeckMCCR23 [502]
Alain Côté	1	PopovicCGNC22 [381]
Kenneth D. Young	1	YoungFS17 [498]
Laurent D. Michel	1	FontaineMH16 [162]
Steven D. Prestwich	1	RossiTHP07 [397]
Michael D. Moffitt	1	MoffittPP05 [333]
Emilie Danna	1	DannaP03 [124]

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Ken Darby-Dowman	1	Darby-DowmanLMZ97 [125]
Vivian De Smedt	1	GaySS14 [176]
Alexis De Clercq	1	ClercqPBJ11 [116]
Rina Dechter	1	FrostD98 [168]
Carmelo Del Valle	1	ValleMGTO3 [462]
Xavier Delorme	1	RodriguezDG02 [395]
Alain Demeure	1	JourdanFRD94 [242]
Emir Demirovic	1	DemirovicS18 [136]
Roberto Di Cosmo	1	LiuCGM17 [301]
Guido Diepen	1	AkkerDH07 [463]
Bistra Dilkina	1	DilkinaDH05 [141]
Mehmet Dincbas	1	DincbasSH90 [142]
Grégoire Dooms	1	DoomsH08 [143]
Agostino Dovier	1	TardivoDFMP23 [436]
Yuquan Du	1	QinDCS20 [389]
Lei Duan	1	DilkinaDH05 [141]
Didier Dubois	1	FortinZDF05 [163]
Pierre Dupont	1	MonetteDD07 [335]
David Duvivier	1	WangMD15 [486]
Kyle E. C. Booth	1	BoothNB16 [95]
Marco E. Lübbecke	1	BertholdHLM10 [75]
Ignacio E. Grossmann	1	MaraveliasG04 [325]
Andrew E. Santosa	1	ZhuS02 [514]
Martha E. Pollack	1	MoffittPP05 [333]
Nikolaos Efthymiou	1	EfthymiouY23 [147]
Gokhan Egilmez	1	GedikKEK18 [177]
Péter Egri	1	KovacsEKV05 [268]
Nizar El Hachemi	1	HachemiGR11 [207]
Ghada El Khayat	1	KhayatLR06 [256]
Abdellah El Fallahi	1	FallahiaAC20 [156]
Sebastian Engell	1	KlankeBYE21 [259]
Eyüp Ensar Isik	1	IsikYA23 [240]
Teresa Escobet	1	EscobetPQPRA19 [151]
Joan Espasa	1	BofillEGPSV14 [85]
Stephen F. Smith	1	CestaOS98 [111]
Michael F. Gorman	1	KanetAG04 [252]
Mohd Fadlee A. Rasid	1	AkramNHRSA23 [7]
François Fages	1	JourdanFRD94 [242]
Hamed Fahimi	1	FahimiOQ18 [154]
Moreno Falaschi	1	FalaschiGMP97 [155]
Huali Fan	1	FanXG21 [157]
Hélène Fargier	1	FortinZDF05 [163]
Soroush Fatemi-Anaraki	1	Fatemi-AnarakiMFN22 [159]
Filippo Focacci	1	FocacciLN00 [161]
Daniel Fontaine	1	FontaineMH16 [162]
Urs Fontana	1	KoehlerBFFHPSSS21 [261]
Andrea Formisano	1	TardivoDFMP23 [436]
Jérôme Fortin	1	FortinZDF05 [163]
Mehdi Foumani	1	Fatemi-AnarakiMFN22 [159]
Gerhard Friedrich	1	FriedrichFMRSS14 [165]
Sara Frimodig	1	FrimodigS19 [166]
Nikolaus Frohner	1	FrohnerTR19 [167]
Daniel Frost	1	FrostD98 [168]
Melanie Frühstück	1	FriedrichFMRSS14 [165]
Jun Fu	1	LiFJZLL22 [292]
Etienne Fux	1	KoehlerBFFHPSSS21 [261]

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Author	NrWorks	Entries
Ernesto G. Birgin	1	LunardiBLRV20 [315]
Mohamed Gaha	1	PopovicCGNC22 [381]
Flavius Galiber III	1	PembertonG98 [372]
Cristian Galleguillos	1	GalleguillosKSB19 [169]
Xavier Gandibleux	1	RodriguezDG02 [395]
Graeme Gange	1	He0GLW18 [212]
Thierry Garaix	1	BourreauGGLT22 [99]
Maria Garcia de la Banda	1	BandaSC11 [131]
Antoine Gargani	1	GarganiR07 [170]
Serge Gaspers	1	ChuGNSW13 [113]
Jonathan Gaudreault	1	Mercier-AubinGQ20 [332]
Ridvan Gedik	1	GedikKEK18 [177]
Marc Geitz	1	GeitzGSSW22 [182]
Mirco Gelain	1	GelainPRVW17 [183]
Michel Gendreau	1	HachemiGR11 [207]
Wing-Yue Geoffrey Louie	1	LouieVNB14 [314]
Marcus Gerhard Müller	1	MullerMKP22 [342]
Patrick Gerhards	1	HubnerGSV21 [238]
Ulrich Geske	1	Geske05 [184]
Katherine Giles	1	GilesH16 [185]
Gaël Glorian	1	PerezGSL23 [373]
Gael Glorian	1	abs-2312-13682 [374]
Daniel Godard	1	GodardLN05 [187]
Vikas Goel	1	GoelSHFS15 [190]
Mark Goh	1	FanXG21 [157]
Hans-Joachim Goltz	1	Goltz95 [194]
Matthieu Gondran	1	BourreauGGLT22 [99]
Cristian Grozea	1	GeitzGSSW22 [182]
Flavius Gruian	1	GruianK98 [203]
Alessio Guerri	1	BeniniBGM06 [72]
Serigne Gueye	1	Acuna-AgostMFG09 [4]
Ying Guo	1	ZhouGL15 [513]
Şeyda Gür	1	GurEA19 [518]
Burak Gökgür	1	GokgurHO18 [191]
Seyda Gür	1	GurPAE23 [206]
Fehmi H'Mida	1	TrojetHL11 [460]
Rolf H. Möhring	1	BertholdHMLS10 [75]
John H. Drake	1	PourDERB18 [382]
M. H. Fazel Zarandi	1	ZarandiKS16 [503]
Klaus H. Ecker	1	BlazewiczEP19 [80]
Emile H. L. Aarts	1	NuijtenA94 [360]
Claire Hanen	1	HanenKP21 [210]
Jiang Hang Chen	1	QinDCS20 [389]
Sue Hanhiammi	1	KrogtLPHJ07 [465]
Mohamed Haouari	1	LahimerLH11 [285]
Fazirulhisyam Hashim	1	AkramNHRSA23 [7]
Shan He	1	He0GLW18 [212]
Ivan Heckman	1	HeckmanB11 [217]
Susanne Heipcke	1	HeipckeCCS00 [225]
Fabien Hermenier	1	HermenierDL11 [228]
Gerhard Hiermann	1	RendlPHPR12 [392]
Alessandro Hill	1	HillTV21 [229]
Te-Wei Ho	1	HoYCLLC18 [230]
Petra Hofstedt	1	LiuLH19 [300]
John Hou	1	DavenportKRSH07 [127]
Guoyu Huang	1	CohenHB17 [118]

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Author	NrWorks	Entries
Felix Hübner	1	HubnerGSV21 [238]
Amar Isli	1	BelhadjiI98 [68]
Mustafa Ismael Salman	1	AkramNHRSA23 [7]
Fernando J. M. Marcellino	1	SerraNM12 [415]
Leon J. Osterweil	1	ShinBBHO18 [418]
H. J. Kim	1	SureshMOK06 [431]
John J. Kanet	1	KanetAG04 [252]
Colin J. Layfield	1	Layfield02 [288]
Andrew J. Mason	1	Mason01 [327]
Jean Jaubert	1	PraletLJ15 [385]
Jan Jelínek	1	JelinekB16 [241]
Yingjun Ji	1	ZhangJZL22 [506]
Zixi Jia	1	LiFJZLL22 [292]
Yunfei Jiang	1	LiuJ06 [302]
Yue Jin	1	KrogtLPHJ07 [465]
Marc Joliveau	1	ChapadosJR11 [112]
Peter Jonsson	1	AngelsmarkJ00 [11]
Jean Jourdan	1	JourdanFRD94 [242]
Nicolas Jozefowicz	1	HebrardHJMPV16 [214]
Jae-Yoon Jung	1	ParkUJR19 [371]
Pascal Jungblut	1	JungblutK22 [243]
T. K. Satish Kumar	1	Kumar03 [278]
Edmund K. Burke	1	PourDERB18 [382]
Mustafa K. Dogru	1	TerekhovDOB12 [441]
T. K. Feng	1	BeckFW11 [51]
Jayant Kalagnanam	1	DavenportKRSH07 [127]
Darshan Kalathia	1	GedikKEK18 [177]
Olli Kamarainen	1	KamarainenS02 [246]
Nor Kamariah Noordin	1	AkramNHRSA23 [7]
Czerniachowska, Kateryna	1	CzerniachowskaWZ23 [123]
Elena Kelareva	1	KelarevaTK13 [253]
Jan Kelbel	1	KelbelH11 [254]
H. Khorshidian	1	ZarandiKS16 [503]
Kamran Kianfar	1	YounespourAKE19 [497]
Philip Kilby	1	KelarevaTK13 [253]
Dongyun Kim	1	KimCMLLP23 [258]
Emre Kirac	1	GedikKEK18 [177]
Zeynep Kiziltan	1	GalleguillosKSB19 [169]
Christian Klanke	1	KlankeBYE21 [259]
Jana Koehler	1	KoehlerBFFHPSSS21 [261]
Wolfgang Kohlenbrein	1	KovacsTKSG21 [272]
Rainer Kolisch	1	PohlAK22 [379]
Sebastian Kosch	1	KoschB14 [264]
Benjamin Kovács	1	KovacsTKSG21 [272]
Matthias Krainz	1	GeibingerKKMMW21 [178]
Andreas Krall	1	ErtlK91 [150]
Dieter Kranzlmüller	1	JungblutK22 [243]
Dominik Kress	1	MullerMKP22 [342]
Per Kreuger	1	AronssonBK09 [17]
Żywicki, Krzysztof	1	CzerniachowskaWZ23 [123]
Mustafa Küçük	1	KucukY19 [279]
Elif Kürklü	1	FrankK05 [164]
András Kéri	1	KeriK07 [255]
Michael L. Pinedo	1	KimCMLLP23 [258]
Hassan L. Hijazi	1	LimHTB16 [295]
Philip L. Henneman	1	ShinBBHO18 [418]

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Yiqing L. Luo	1	LuoB22 [318]
Philippe Lacomme	1	BourreauGGLT22 [99]
Daniel Lafond	1	BoudreaultSLQ22 [98]
Asma Lahimer	1	LahimerLH11 [285]
Feipei Lai	1	HoYCLLC18 [230]
Jui-Fen Lai	1	HoYCLLC18 [230]
André Langevin	1	KhayatLR06 [256]
Christophe Lecoutre	1	GayHLS15 [173]
Myungho Lee	1	KimCMLLP23 [258]
Kangbok Lee	1	KimCMLLP23 [258]
Solange Lemai-Chenevier	1	PraletLJ15 [385]
Xingyang Li	1	LiFJZLL22 [292]
Siyi Li	1	LiFJZLL22 [292]
Xiaodong Li	1	abs-2211-14492 [429]
Guipeng Li	1	ZhouGL15 [513]
Hong Li	1	SunLYL10 [430]
Nan Li	1	SunLYL10 [430]
Yunbo Li	1	Madi-WambaLOBM17 [320]
Heyse Li	1	TranPZLDB18 [455]
Yi Li	1	LuoVLBM16 [317]
Wan-Chung Liao	1	HoYCLLC18 [230]
Ariel Liebman	1	He0GLW18 [212]
Olivier Liess	1	LiessM08 [293]
Andrew Lim	1	LimRX04 [294]
Tong Liu	1	LiuCGM17 [301]
Lingxuan Liu	1	QinWSLS21 [388]
Ke Liu	1	LiuLH19 [300]
Rengkui Liu	1	TangLWSK18 [435]
Yuechang Liu	1	LiuJ06 [302]
Giovanni Lo Bianco	1	ZhangBB22 [507]
Doina Logofatu	1	BadicaBIL19 [27]
Thomas Lorigeon	1	LorigeonBB02 [313]
Roy Luo	1	LuoVLBM16 [317]
Arnaud Lusson	1	HebrardALLCMR22 [213]
Chang Lv	1	MengZRZL20 [331]
Zhimin Lv	1	ZhangLS12 [510]
Sven Löffler	1	LiuLH19 [300]
J. M. van den Akker	1	AkkerDH07 [463]
Abdulrahman M. Abdulghani	1	AkramNHRSA23 [7]
O. M. Alade	1	abs-1902-01193 [8]
Shahrzad M. Pour	1	PourDERB18 [382]
Franco M. Novara	1	NovaraNH16 [355]
Rafael M. Gasca	1	ValleMGTO3 [462]
Jun Ma	1	MakMS10 [321]
Amy Mainville Cohn	1	BarlattCG08 [37]
Kai-Ling Mak	1	MakMS10 [321]
V. Mani	1	SureshMOK06 [431]
Oscar Manzano	1	MurphyMB15 [344]
Kourosh Marjani Rasmussen	1	PourDERB18 [382]
Kim Marriott	1	FalaschiGMP97 [155]
Fae Martin	1	MartinPY01 [326]
Jacopo Mauro	1	LiuCGM17 [301]
Jim McInnes	1	MalikMB08 [324]
Zahra Mehdizadeh-Somarin	1	Mehdizadeh-Somarin23 [328]
Haci Mehmet Alakas	1	GurPAE23 [206]
Hacı Mehmet Alakaş	1	GurEA19 [518]

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Author	NrWorks	Entries
Sebastian Meiswinkel	1	WinterMMW22 [490]
Gonzalo Mejía	1	YuraszeckMPV22 [501]
Hein Meling	1	MossigeGSMC17 [339]
Julien Menana	1	Menana11 [330]
Jean-Marc Menaud	1	Madi-WambaLOBM17 [320]
Leilei Meng	1	MengZRZL20 [331]
Alexandre Mercier-Aubin	1	Mercier-AubinGQ20 [332]
Vera Mersheeva	1	FriedrichFMRSS14 [165]
Nadine Meskens	1	WangMD15 [486]
Bernd Meyer	1	ThiruvadyBME09 [445]
Kyung Min Kim	1	HamPK21 [209]
Gautam Mitra	1	Darby-DowmanLMZ97 [125]
Elizabeth Montero	1	YuraszeckMCCR23 [502]
Kyungduk Moon	1	KimCMLLP23 [258]
Morten Mossige	1	MossigeGSMC17 [339]
Alix Munier Kordon	1	HanenKP21 [210]
Stanislav Murin	1	MurinR19 [343]
Nicola Muscettola	1	Muscettola02 [345]
David Müller	1	MullerMKP22 [342]
András Márkus	1	VanczaM01 [467]
Marc-André Ménard	1	BessiereHMQW14 [76]
T. N. Wong	1	ZhangYW21 [508]
Sophie N. Parragh	1	abs-1902-09244 [211]
S. N. Omkar	1	SureshMOK06 [431]
Nina Narodytska	1	ChuGNSW13 [113]
Shiva Nejati	1	AlesioNBG14 [140]
Franklin Nguewouo	1	PopovicCGNC22 [381]
Gilberto Nishioka	1	SerraNM12 [415]
Thierry Noulamo	1	KameugneFND23 [249]
Jari Nurmi	1	QuSN06 [390]
A. O. Amusat	1	abs-1902-01193 [8]
Ceyda Oguz	1	EdisO11 [146]
Bilal Omar Akram	1	AkramNHRSA23 [7]
Mirza Omer Beg	1	BegB13 [60]
Anne-Cécile Orgerie	1	Madi-WambaLOBM17 [320]
Mohand Ou Idir Khemmoudj	1	KhemmoudjPB06 [257]
Pierre Ouellet	1	OuelletQ13 [363]
Soukaina Oujana	1	OujanaAYB22 [366]
Asma Ouled Bedhief	1	Bedhief21 [59]
Irem Ozkarahan	1	TopalogluO11 [449]
Débora P. Ronconi	1	LunardiBLRV20 [315]
Edward P. K. Tsang	1	TsangO3 [461]
W. P. M. Nuijten	1	NuijtenA94 [360]
Meghana Padmanabhan	1	TranPZLDB18 [455]
Miquel Palahí	1	BofillEGPSV14 [85]
Catuscia Palamidessi	1	FalaschiGMP97 [155]
Pere Palà-Schönwälder	1	EscobetPQPRA19 [151]
Vaibhav Pandey	1	PandeyS21a [368]
Hoonseok Park	1	ParkUJR19 [371]
Myoung-Ju Park	1	HamPK21 [209]
Erica Pastore	1	AlfieriGPS23 [9]
Theo Pedersen	1	HanenKP21 [210]
Bart Peintner	1	MoffittPP05 [333]
Jordi Pereira	1	YuraszeckMPV22 [501]
Laurent Perron	1	DannaP03 [124]
Mehmet Pinarbasi	1	GurPAE23 [206]

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Author	NrWorks	Entries
Arthur Pinkney	1	MartinPY01 [326]
David Pisinger	1	SacramentoSP20 [399]
Maximilian Pohl	1	PohlAK22 [379]
Nicola Policella	1	OddiPCC03 [362]
Oliver Polo-Mejía	1	Polo-MejiaALB20 [380]
Paul Pop	1	BarzegaranZP20 [46]
Louis Popovic	1	PopovicCGNC22 [381]
Marc Porcheron	1	KhemmoudjPB06 [257]
Marc Pouly	1	KoehlerBFFHPSSS21 [261]
Guillaume Pováda	1	PovedaAA23 [383]
Matthias Prandtstetter	1	RendlPHPR12 [392]
Patrick Prosser	1	BeckPS03 [54]
Jakob Puchinger	1	RendlPHPR12 [392]
Jean-Francois Puget	1	Puget95 [387]
Vicenç Puig	1	EscobetPQPRA19 [151]
Kenneth Pulliam	1	KrogtLPHJ07 [465]
Kenny Qili Zhu	1	ZhuS02 [514]
Ming Qin	1	QinWSLS21 [388]
Tianbao Qin	1	QinDCS20 [389]
Yang Qu	1	QuSN06 [390]
Yuchen Quan	1	ShiYXQ22 [417]
Joseba Quevedo	1	EscobetPQPRA19 [151]
Alain Quilliot	1	ArtiguesHQT21 [19]
Dominik R. Bleidorn	1	KlankeBYE21 [259]
Aliza R. Heching	1	HechingH16 [216]
Levi R. Abreu	1	PrataAN23 [386]
Gregg R. Rabideau	1	HebrardALLCMR22 [213]
Wichniarek, Radosław	1	CzerniachowskaWZ23 [123]
Sebastian Raggl	1	abs-1902-09244 [211]
Vinasétan Ratheil Houndji	1	HoundjiSWD14 [237]
Chandra Reddy	1	DavenportKRSH07 [127]
Yaping Ren	1	MengZRZL20 [331]
Andrea Rendl	1	RendlPHPR12 [392]
Hamid Reza Feyzmahdavian	1	Astrand0F21 [23]
Vahid Riahi	1	RiahiNS018 [393]
Diane Riopel	1	KhayatLR06 [256]
Gregory Rix	1	PesantRR15 [375]
Robert Rodosek	1	RodosekW98 [394]
Brian Rodrigues	1	LimRX04 [294]
Joaquín Rodriguez	1	Rodriguez07 [396]
Joaquin Rodriguez	1	RodriguezDG02 [395]
Jerome Rogerie	1	LaborieRSV18 [282]
Mohammad Rohaninejad	1	Mehdizadeh-Somarin23 [328]
Maximiliano Rojel	1	YuraszeckMCCR23 [502]
Juli Romera	1	EscobetPQPRA19 [151]
Roberto Rossi	1	RossiTHP07 [397]
François Roubellat	1	ArtiguesR00 [20]
Stéphanie Roussel	1	SquillaciPR23 [427]
Didier Rozzonelli	1	JourdanFRD94 [242]
Ruiz, Rubén	1	NaderiRR23 [347]
Hana Rudová	1	MurinR19 [343]
Martin Ruskowski	1	ParkUJR19 [371]
Anna Ryabokon	1	FriedrichFMRSS14 [165]
William S. Havens	1	DilkinaDH05 [141]
Marcelo S. Nagano	1	PrataAN23 [386]
Mohamed S. Gheith	1	AbohashimaEG21 [2]

Table 8: Co-Authors of Articles/Papers

Author	NrWorks	Entries
David Sacramento	1	SacramentoSP20 [399]
Shahram Saeidi	1	AlizdehS20 [10]
Poonam Saini	1	PandeyS21a [368]
Fabio Salassa	1	AlfieriGPS23 [9]
Sophia Saller	1	KoehlerBFFHPSSS21 [261]
Anastasia Salyaeva	1	KoehlerBFFHPSSS21 [261]
Maria Sander	1	FriedrichFMRSS14 [165]
Eric Sanlaville	1	PoderBS04 [378]
Óscar Sapena	1	GarridoOS08 [172]
Özge Satir Akpunar	1	IsikYA23 [240]
Abdul Sattar	1	RiahiNS018 [393]
Peter Scheiblechner	1	KoehlerBFFHPSSS21 [261]
Klaus Schild	1	SchildW00 [404]
Thomas Schlechte	1	HeinzSSW12 [220]
Thorsten Schmidt	1	BenderWS21 [69]
Günter Schmidt	1	BlazewiczEP19 [80]
Philipp Schrott-Kostwein	1	KovacsTKSG21 [272]
Uwe Schwiegelshohn	1	LimtanyakulS12 [298]
Lena Secher Ejlersen	1	PourDERB18 [382]
Evgeny Selensky	1	BeckPS03 [54]
Thiago Serra	1	SerraNM12 [415]
Mei Sha	1	QinDCS20 [389]
Yufen Shao	1	GoelSHFS15 [190]
Ganquan Shi	1	ShiYXQ22 [417]
Zhongshun Shi	1	QinWLS21 [388]
Leyuan Shi	1	QinWLS21 [388]
Stuart Siegel	1	DavenportKRSH07 [127]
Maria Silvia Pini	1	GelainPRVW17 [183]
Vanessa Simard	1	BoudreaultSLQ22 [98]
Pawel Sitek	1	WikarekS19 [489]
M. Slusky	1	GoelSHFS15 [190]
Juha-Pekka Soininen	1	QuSN06 [390]
Xiaoqing Song	1	ZhangLS12 [510]
Francis Sourd	1	SourdN00 [426]
Helge Spieker	1	MossigeGSMC17 [339]
Samuel Squillaci	1	SquillaciPR23 [427]
Andreas Starzacher	1	FriedrichFMRSS14 [165]
Wolfgang Steigerwald	1	GeitzGSSW22 [182]
Rüdiger Stephan	1	HeinzSSW12 [220]
Malgorzata Sterna	1	BlazewiczEP19 [80]
Robin Stöhr	1	GeitzGSSW22 [182]
Christian Stürck	1	HubnerGSV21 [238]
Kaile Su	1	RiahiNS018 [393]
Wei Su	1	MakMS10 [321]
Kemal Subulan	1	SubulanC22 [428]
Premysl Sucha	1	BenediktSMVH18 [71]
Quanxin Sun	1	TangLWSK18 [435]
Zheng Sun	1	SunLYL10 [430]
Suresh Sundaram	1	SureshMOK06 [431]
Pavel Surynek	1	BartakCS10 [41]
Jirí Svancara	1	SvancaraB22 [432]
Ria Szeredi	1	SzerediS16 [433]
Alina Sirbu	1	GalleguillosKSB19 [169]
Christos T. Maravelias	1	MaraveliasG04 [325]
Willian T. Lunardi	1	LunardiBLRV20 [315]
Siyu Tang	1	VlkHT21 [480]

Table 8: Co-Authors of Articles/Papers

Author	NrWorks	Entries
Yuanjie Tang	1	TangLWSK18 [435]
Fabio Tardivo	1	TardivoDFMP23 [436]
Armagan Tarim	1	RossiTHP07 [397]
Ehsan Tarkesh Esfahani	1	YounespourAKE19 [497]
Reza Tavakkoli-Moghaddam	1	Fatemi-AnarakiMFN22 [159]
Nikolay Tchernev	1	BourreauGGTLT22 [99]
Paolo Terenziani	1	BrusoniCLMMT96 [103]
Willian Tessaro Lunardi	1	Lunardi20 [316]
Stephan Teuschl	1	FrohnerTR19 [167]
Jordan Ticktin	1	HillTV21 [229]
Kevin Tierney	1	KelarevaTK13 [253]
Christian Timpe	1	Timpe02 [447]
Mary Tom	1	Tom19 [448]
Seyda Topaloglu	1	TopalogluO11 [449]
Miguel Toro	1	ValleMGT03 [462]
Meriem Touat	1	TouatBT22 [450]
Touraivane	1	Touraivane95 [451]
H������ Toussaint	1	ArtiguesHQT21 [19]
Mariem Trojet	1	TrojetHL11 [460]
Semra Tunali	1	OzturkTHO13 [367]
Paul Tyler	1	HebrardTW05 [215]
Jumyung Um	1	ParkUJR19 [371]
J. V. Moccellini	1	AbreuAPNM21 [128]
Behdin Vahedi-Nouri	1	Fatemi-AnarakiMFN22 [159]
Roshanaei, Vahid	1	NaderiRR23 [347]
Thierry Vidal	1	BidotVLB09 [77]
Karen Villaverde	1	VillaverdeP04 [479]
Mariona Vil��	1	YuraszeckMPV22 [501]
Rebekka Volk	1	HubnerGSV21 [238]
Holger Voos	1	LunardiBLRV20 [315]
Thomas W. M. Vossen	1	HillTV21 [229]
Kai Waelti	1	KoehlerBFFHPSSS21 [261]
Runsen Wang	1	QinWLS21 [388]
Futian Wang	1	TangLWSK18 [435]
Shouyang Wang	1	ZhangW18 [509]
Tao Wang	1	WangMD15 [486]
Jan Weglarz	1	BlazewiczEP19 [80]
Kong Wei Lye	1	LauLN08 [287]
Johan Wess��n	1	WessenCS20 [488]
Jaroslav Wikarek	1	WikarekS19 [489]
Campbell Wilson	1	He0GLW18 [212]
Michael Winkler	1	HeinzSSW12 [220]
David Wittwer	1	BenderWS21 [69]
J����g W������	1	SchildW00 [404]
Quanshi Xia	1	ChuX05 [114]
Hegen Xiong	1	FanXG21 [157]
Zhou Xu	1	LimRX04 [294]
Yang Xu	1	ShiYXQ22 [417]
Tanya Y. Tang	1	TangB20 [434]
El Yaakoubi Anass	1	FallahiaAC20 [156]
Hong Yan	1	HookerY02 [236]
Moli Yang	1	YangSS19 [496]
Zhouwang Yang	1	ShiYXQ22 [417]
Jia-Sheng Yao	1	HoYCLCLC18 [230]
Min Yao	1	SunLYL10 [430]
Seung Yeob Shin	1	ShinBBHO18 [418]

Table 8: Co-Authors of Articles/Papers

Author	NrWorks	Entries
Vassilios Yfantis	1	KlankeBYE21 [259]
Maryam Younespour	1	YounespourAKE19 [497]
Chunxia Yu	1	ZhangYW21 [508]
Xinghuo Yu	1	MartinPY01 [326]
Oleg Yu. Gusikhin	1	BarlattCG08 [37]
Peter Yun Zhang	1	TranPZLDB18 [455]
Pinar Yunusoglu	1	YunusogluY22 [499]
Marco Zaffalon	1	Darby-DowmanLMZ97 [125]
Stéphane Zampelli	1	DerrienPZ14 [139]
Bahram Zarrin	1	BarzegaranZP20 [46]
Mengjie Zhang	1	abs-2402-00459 [351]
Haotian Zhang	1	ZhangJZL22 [506]
Luping Zhang	1	ZhangYW21 [508]
Chaoyong Zhang	1	MengZRZL20 [331]
Biao Zhang	1	MengZRZL20 [331]
Sicheng Zhang	1	ZhangW18 [509]
Xujun Zhang	1	ZhangLS12 [510]
Lihui Zhang	1	ZouZ20 [517]
Jiachen Zhang	1	ZhangBB22 [507]
Jinlian Zhou	1	ZhouGL15 [513]
Pawel Zielinski	1	FortinZDF05 [163]
Jürgen Zimmermann	1	KreterSSZ18 [275]
Xin Zou	1	ZouZ20 [517]
Mathijs de Weerd	1	BogaerdtW19 [464]
Bruno de Athayde Prata	1	AbreuAPNM21 [128]
Roman van der Krogt	1	KrogtLPHJ07 [465]
Pim van den Bogaerdt	1	BogaerdtW19 [464]
Stefano Di Alesio	1	AlesioNBG14 [140]
Ulas Özen	1	TerekhovDOB12 [441]
Selin Özpeynirci	1	GokgurHO18 [191]
Cemalettin Öztürk	1	OzturkTHO13 [367]
Nahum Álvarez	1	PovedaAA23 [383]
Seán Óg Murphy	1	MurphyMB15 [344]
Gizem Çakir	1	SubulanC22 [428]

5 Problem Classification

Table 9: Problem Classification Types

Code	Name
JSSP	Job-Shop Scheduling Problem
JSPT	Job-Shop Scheduling Problem with Transportation
PP-MS-MMRCPPSP/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	SubulanC22 [428]		abs-1902-01193 [8]
Concepts	BOM			PrataAN23 [386], CzerniachowskaWZ23 [123], ShaikhK23 [416], abs-2312-13682 [374], SquillaciPR23 [427], abs-2305-19888 [224], PerezGSL23 [373], HeinzNVH22 [223], PohlAK22 [379], abs-2211-14492 [429], HebrardALLCMR22 [213], OuelletQ22 [365], MullerMKP22 [342], YunusogluY22 [499], ZhangYW21 [508], HillTV21 [229], GeibingerMM21 [181], PandeyS21a [368], Astrand0F21 [23], QinDCS20 [389], Mercier-AubinGQ20 [332], SacramentoSP20 [399], NishikawaSTT19 [354], abs-1902-01193 [8], Tom19 [448], GalleguillosKSB19 [169], NishikawaSTT18 [352], NishikawaSTT18a [353], DemirovicS18 [136]... (Total: 72)
Concepts	activity	TardivoDFMP23 [436], AalianPG23 [1], PovedaAA23 [383], TouatBT22 [450], CampeauG22 [106], SubulanC22 [428], SvancaraB22 [432], BenderWS21 [69], KlankeBYE21 [259], HubnerGSV21 [238], BadicaBI20 [26], ZouZ20 [517], Polo-MejiaALB20 [380], AstrandJZ20 [25], BadicaBIL19 [27], abs-1902-09244 [211], abs-1911-04766 [179], GeibingerMM19 [180], MurinR19 [343], YounespourAKE19 [497], LaborieRSV18 [282], GokgurHO18 [191], BorghesiBLMB18 [96], TangLWSK18 [435], MusliuSS18 [346], AstrandJZ18 [24], CappartS17 [107], Pralet17 [384], KreterSS17 [274]... (Total: 130)	YuraszeckMCCR23 [502], Bit-Monnot23 [79], BoudreaultSLQ22 [98], PopovicCGNC22 [381], LunardiBLRV20 [315], YangSS19 [496], EscobetPQPRA19 [151], Novas19 [356], ShinBBHO18 [418], SchuttS16 [412], BoothNB16 [95], TranWDRFOVB16 [459], VilimLS15 [478], GoelSHFS15 [190], DoulabiRP14 [144], LombardiM13 [310], BonfiettiM12 [93], ChapadosJR11 [112], ZibranR11 [515], SchuttFSW09 [408], PoderB08 [377], GarridoOS08 [172], KrogdLPHJ07 [465], Simonis07 [424], KhayatLR06 [256], Geske05 [184], MoffittPP05 [333], DannaP03 [124], Bartak02 [39]... (Total: 34)	
Concepts	batch process	LacknerMMWW23 [284], LacknerMMWW21 [283], QinWSLS21 [388], NovaraNH16 [355], KoschB14 [264]	TangB20 [434], NovasH10 [357], Vilim02 [469], SimonisC95 [425]	PrataAN23 [386], IsikYA23 [240], YuraszeckMCCR23 [502], YunusogluY22 [499], MullerMKP22 [342], SvancaraB22 [432], OujanaAYB22 [366], LuoB22 [318], LiFJZLL22 [292], ColT22 [121], AbreuN22 [129], GeitzGSSW22 [182], FanXG21 [157], ZhangYW21 [508], KlankeBYE21 [259], MengZRZL20 [331], EscobetPQPRA19 [151], Ham18 [208], FahimiOQ18 [154], LaborieRSV18 [282], CauwelaertDMS16 [110], GrimesH10 [196], Simonis07 [424], VilimBC05 [477], ArtiguesBF04 [18], Vilim04 [471]
Concepts	bill of material			Simonis07 [424]
Concepts	buffer-capacity		SureshMOK06 [431]	LiFJZLL22 [292], OujanaAYB22 [366], RiahiNS018 [393], BonfiettiLBM14 [90], NovasH14 [359], TerekhovTDB14 [442], ZeballosH05 [504]
Concepts	cmax	JuvinHHL23 [244], YuraszeckMCCR23 [502], AbreuNP23 [130], YuraszeckMC23 [500], KameugneFND23 [249], NaderiRR23 [347], abs-2305-19888 [224], IsikYA23 [240], YunusogluY22 [499], FetgoD22 [160], AbreuN22 [129], abs-2211-14492 [429], ZhangBB22 [507], QinWSLS21 [388], AbohashimaEG21 [2], ArmstrongGOS21 [15], Polo-MejiaALB20 [380], QinDCS20 [389], MejiaY20 [329], MengZRZL20 [331], GodetLHS20 [189], WikarekS19 [489], YounespourAKE19 [497], MalapertN19 [322], Ham18 [208], GedikKEK18 [177], KameugneFGOQ18 [248], HebrardHJMPV16 [214], VilimLS15 [478]... (Total: 42)	Mehdizadeh-Somarin23 [328], BoudreaultSLQ22 [98], MullerMKP22 [342], ArmstrongGOS22 [16], HamPK21 [209], AbreuAPNM21 [128], ParkUJR19 [371], Novas19 [356], ArbaouiY18 [14], WangMD15 [486], ZhouGL15 [513], ZhangLS12 [510], BeckFW11 [51], BartakSR10 [43], MoffittPP05 [333], Muscettola02 [345], ArtiguesR00 [20], SourdN00 [426]	JuvinHL23 [245], Teppan22 [440], ZhangYW21 [508], HanenKP21 [210], HubnerGSV21 [238], GokgurHO18 [191], LiuCGM17 [301], BofilCSV17 [84], SialaAH15 [420], KoschB14 [264], SchuttFSW13 [411], GuSW12 [205], abs-1009-0347 [409], WatsonB08 [487], LiessM08 [293], AkkerDH07 [463], KeriK07 [255], KhayatLR06 [256], BaptisteP00 [35], FocacciLN00 [161]

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	completion-time	PrataAN23 [386], JuvinHL23 [245], AbreuNP23 [130], Mehdizadeh-Somarin23 [328], AlfieriGPS23 [9], NaderiRR23 [347], KameugneFND23 [249], YuraszeckMPV22 [501], AbreuN22 [129], YunusogluY22 [499], SubulanC22 [428], OuelletQ22 [365], FetgoD22 [160], KlankeBYE21 [259], Bedhief21 [59], ArmstrongGOS21 [15], MejiaY20 [329], LunardiBLRV20 [315], QinDCS20 [389], YounespourAKE19 [497], FahimiOQ18 [154], RiahiNS018 [393], ZhangW18 [509], ArbaouiY18 [14], GedikKEK18 [177], KameugneFGOQ18 [248], HebrardHJMPV16 [214], GingrasQ16 [186], DejemeppeCS15 [133]... (Total: 55)	CzerniachowskaWZ23 [123], abs-2305-19888 [224], MullerMKP22 [342], ColT22 [121], Teppan22 [440], TouatBT22 [450], OujanaAYB22 [366], HeinzNVH22 [223], abs-2211-14492 [429], LiFJZLL22 [292], ZhangBB22 [507], AbreuAPNM21 [128], HanenKP21 [210], FanXG21 [157], GeibingerMM21 [181], QinWLSL21 [388], NattafM20 [350], Mercier-AubinGQ20 [332], Polo-MejiaALB20 [380], YangSS19 [496], abs-1902-09244 [211], BogaerdTW19 [464], abs-1911-04766 [179], MalapertN19 [322], GeibingerMM19 [180], ParkUJR19 [371], Ham18 [208], OuelletQ18 [364], KreterSS17 [274]... (Total: 55)	abs-2402-00459 [351], TasselGS23 [437], MontemanniD23a [337], AkramNHRSA23 [7], IsikYA23 [240], abs-2306-05747 [438], PerezGSL23 [373], JuvinHHL23 [244], FarsiTM22 [158], PopovicCGNC22 [381], PohlAK22 [379], GeitzGSSW22 [182], CampeauG22 [106], ZhangJZL22 [506], WinterMMW22 [490], ArmstrongGOS22 [16], HubnerGSV21 [238], VlkHT21 [480], PandeyS21a [368], HamPK21 [209], WessenCS20 [488], BadicaBI20 [26], MengZRZL20 [331], MokhtarzadehTNF20 [334], AntuoriHHEN20 [12], GodetLHS20 [189], SacramentoSP20 [399], ZouZ20 [517], AstrandJZ20 [25]... (Total: 87)
Concepts	continuous-process			FarsiTM22 [158], GaySS14 [176], Bartak02 [39], SimonisC95 [425]
Concepts	distributed	PrataAN23 [386], NaderiRR23 [347], MengZRZL20 [331], He0GLW18 [212], TranPZLDB18 [455], BridiLBBM16 [102], BridiBLMB16 [101], ZhouGL15 [513], BonfiettiLM14 [92], TerekhovTDB14 [442], BartakS11 [42], BartakSR10 [43], RuggieroBBMA09 [398], HoeveGSL07 [466], RossiTHP07 [397], BeckW07 [58], SureshMOK06 [431], GomesHS06 [195], Geske05 [184], LammaMM97 [286]	IsikYA23 [240], ShaikhK23 [416], AbreuNP23 [130], OujanaAYB22 [366], JungblutK22 [243], AbreuN22 [129], YuraszeckMPV22 [501], AbreuAPNM21 [128], MokhtarzadehTNF20 [334], ZouZ20 [517], NishikawaSTT19 [354], BorghesiBLMB18 [96], ZhangW18 [509], ZarandiKS16 [503], AlesioNBG14 [140], BegB13 [60], TranTDB13 [456], HermenierDL11 [228], LopesCSM10 [311], SunLYL10 [430], BeniniBGM06 [72], ZhuS02 [514], SchildW00 [404], Wallace96 [482]	YuraszeckMC23 [500], KimCMLLP23 [258], Bit-Monnot23 [79], AlfieriGPS23 [9], MontemanniD23 [338], abs-2305-19888 [224], SquillaciPR23 [427], GurPAE23 [206], AkramNHRSA23 [7], abs-2211-14492 [429], HeinzNVH22 [223], TouatBT22 [450], BoudreaultSLQ22 [98], Teppan22 [440], ColT22 [121], LiFJZLL22 [292], FarsiTM22 [158], WinterMMW22 [490], ZhangBB22 [507], HamPK21 [209], GeibingerKKMMW21 [178], PandeyS21a [368], FanXG21 [157], BenderWS21 [69], KovacsTKSG21 [272], ZhangYW21 [508], VlkHT21 [480], SacramentoSP20 [399], GroleazNS20a [201]... (Total: 106)
Concepts	due-date	OujanaAYB22 [366], ColT22 [121], FanXG21 [157], AntuoriHHEN21 [13], AntuoriHHEN20 [12], TangB20 [434], Mercier-AubinGQ20 [332], abs-1902-09244 [211], Novas19 [356], abs-1911-04766 [179], GoldwaserS18 [193], Tesch18 [444], GoldwaserS17 [192], NovaraNH16 [355], BajestaniB15 [30], DoulabiRP14 [144], KoschB14 [264], HoundjiSWD14 [237], BajestaniB13 [29], LimtanyakulS12 [298], KelbelH11 [254], BajestaniB11 [28], NovasH10 [357], ZeballosQH10 [505], BartakSR10 [43], MonetteDH09 [336], BidotVLB09 [77], Simonis07 [424], KrogtLPHJ07 [465]... (Total: 37)	PrataAN23 [386], LacknerMMWW23 [284], IsikYA23 [240], NaderiRR23 [347], YunusogluY22 [499], abs-2211-14492 [429], WinterMMW22 [490], LacknerMMWW21 [283], GeibingerMM21 [181], GroleazNS20a [201], GeibingerMM19 [180], FahimiOQ18 [154], ZarandiKS16 [503], GrimesIOS14 [200], HeinzSB13 [222], GrimesH11 [197], LombardiM10a [306], MakMS10 [321], SchuttW10 [413], Davenport10 [126], ThiruvadyBME09 [445], abs-0907-0939 [376], MouraSCL08a [340], Limtanyakul07 [297], SadykovW06 [401], Hooker05a [233], ZeballosH05 [504], ChuX05 [114], QuirogaZH05 [391]... (Total: 35)	abs-2402-00459 [351], YuraszeckMC23 [500], KimCMLLP23 [258], JuvinHHL23 [244], ZhangJZL22 [506], SubulanC22 [428], TouatBT22 [450], YuraszeckMPV22 [501], MullerMKP22 [342], KlankeBYE21 [259], HubnerGSV21 [238], Bedhief21 [59], KovacsTKSG21 [272], VlkHT21 [480], HanenKP21 [210], LunardiBLRV20 [315], MejiaY20 [329], Polo-MejiaALB20 [380], GroleazNS20 [202], AstrandJZ20 [25], ParkUJR19 [371], EscobetPQPRA19 [151], GokgurHO18 [191], GedikKEK18 [177], LaborieRSV18 [282], Laborie18a [281], Ham18 [208], Pralet17 [384], Hooker17 [235]... (Total: 64)
Concepts	earliness	PrataAN23 [386], KimCMLLP23 [258], TouatBT22 [450], PohlAK22 [379], abs-1902-09244 [211], LaborieRSV18 [282], ZarandiKS16 [503], LombardiM12 [309], KelbelH11 [254], GrimesH11 [197], Laborie09 [280], MonetteDH09 [336], KeriK07 [255], DannaP03 [124], BeckR03 [55]	FarsiTM22 [158], MengZRZL20 [331], KovacsB11 [267], Davenport10 [126]	abs-2402-00459 [351], NaderiRR23 [347], AbreuNP23 [130], IsikYA23 [240], AlfieriGPS23 [9], LacknerMMWW23 [284], YunusogluY22 [499], FanXG21 [157], LacknerMMWW21 [283], Polo-MejiaALB20 [380], Mercier-AubinGQ20 [332], ColT19 [120], GokgurHO18 [191], ZhangW18 [509], NovaraNH16 [355], VilimLS15 [478], LimBTBB15 [296], SialaAH15 [420], BajestaniB13 [29], HeinzB12 [218], EdisO11 [146], KovacsK11 [269], ZeballosQH10 [505], NovasH10 [357], KovacsB07 [265], KovacsV06 [271], GodardLN05 [187], QuirogaZH05 [391], Bartak02a [38]... (Total: 32)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	flow-shop	PrataAN23 [386], CzerniachowskaWZ23 [123], NaderiRR23 [347], AlfieriGPS23 [9], IsikYA23 [240], JuvinHL23 [245], AbreuNP23 [130], ArmstrongGOS22 [16], OujanaAYB22 [366], ColT22 [121], ZhangJZL22 [506], AbreuN22 [129], LiFJZLL22 [292], QinWSLS21 [388], ArmstrongGOS21 [15], Bedhief21 [59], AbreuAPNM21 [128], MengZRZL20 [331], AstrandJZ20 [25], Novas19 [356], ParkUJR19 [371], ZhangW18 [509], ZhouGL15 [513], BajestaniB15 [30], TerekhovTDB14 [442], LorigeonBB02 [313], SourN00 [426]	Mehdizadeh-Somarin23 [328], YuraszeckMPV22 [501], KoehlerBFFHPSSS21 [261], FanXG21 [157], TangB20 [434], abs-1902-09244 [211], LaborieRSV18 [282], GrimesH11 [197], KovacsB11 [267], BartakSR10 [43], AggounB93 [5]	TasselGS23 [437], AalianPG23 [1], YuraszeckMCCR23 [502], abs-2305-19888 [224], JuvinHHL23 [244], abs-2306-05747 [438], abs-2211-14492 [429], TouatBT22 [450], HeinzNVH22 [223], Teppan22 [440], LacknerMMWW21 [283], HillTV21 [229], abs-2102-08778 [119], KovacsTKSG21 [272], PandeyS21a [368], HamPK21 [209], WallaceY20 [483], SacramentoSP20 [399], LunardiBLRV20 [315], WikarekS19 [489], RiahiNS018 [393], GokgurHO18 [191], GoldwasserS18 [193], ZarandiKS16 [503], OzturkTHO13 [367], TranTDB13 [456], LombardiM12 [309], BillautHL12 [78], KovacsK11 [269]... (Total: 47)
Concepts	flow-time	YuraszeckMPV22 [501], FanXG21 [157], NattafM20 [350], MalapertN19 [322], ZhangW18 [509], TerekhovTDB14 [442], TranTDB13 [456]	PrataAN23 [386], AlfieriGPS23 [9], YunusogluY22 [499], BeckW07 [58]	TasselGS23 [437], abs-2306-05747 [438], YuraszeckMC23 [500], YuraszeckMCCR23 [502], LiFJZLL22 [292], AbreuN22 [129], KoehlerBFFHPSSS21 [261], MengZRZL20 [331], ParkUJR19 [371], Novas19 [356], BajestaniB15 [30], KovacsB11 [267], EdisO11 [146], QuirogaZH05 [391], BeckR03 [55]
Concepts	inventory	SubulanC22 [428], GilesH16 [185], GoelSHFS15 [190], SerraNM12 [415], LopesCSM10 [311], RossiTHP07 [397], Timpe02 [447], BeckDF97 [50]	Novas19 [356], BajestaniB13 [29], MakMS10 [321], LauLN08 [287], MouraSCL08a [340], DavenportKRS07 [127], GarganiR07 [170], BeckF00 [53]	PrataAN23 [386], PerezGSL23 [373], abs-2312-13682 [374], AlfieriGPS23 [9], GurPAE23 [206], AbreuN22 [129], PohlAK22 [379], YunusogluY22 [499], HubnerGSV21 [238], KovacsTKSG21 [272], GroleazNS20a [201], GroleazNS20 [202], abs-1902-09244 [211], YounespourAKE19 [497], WikarekS19 [489], Ham18 [208], LaborieRSV18 [282], ShinBBHO18 [418], SchuttS16 [412], SimoninAHL15 [422], HoundjiSWD14 [237], TerekhovTDB14 [442], KelarevaTK13 [253], HeinzSSW12 [220], LombardiM12 [309], KelbelH11 [254], BajestaniB11 [28], Laborie09 [280], BidotVLB09 [77]... (Total: 35)
Concepts	job	PrataAN23 [386], abs-2402-00459 [351], KimCMLLP23 [258], JuvinHHL23 [244], AlfieriGPS23 [9], YuraszeckMC23 [500], AbreuNP23 [130], IsikYA23 [240], WangB23 [485], LacknerMMWW23 [284], Bit-Monnot23 [79], CzerniachowskaWZ23 [123], abs-2306-05747 [438], NaderiRR23 [347], JuvinHL23 [245], TasselGS23 [437], Mehdizadeh-Somarin23 [328], YuraszeckMCCR23 [502], LiFJZLL22 [292], TouatBT22 [450], YunusogluY22 [499], GeitzGSSW22 [182], MullerMKP22 [342], WinterMMW22 [490], ArmstrongGOS22 [16], OujanaAYB22 [366], AbreuN22 [129], ZhangJZL22 [506], abs-2211-14492 [429]... (Total: 192)	EfthymiouY23 [147], ShaikhK23 [416], abs-2305-19888 [224], HeinzNVH22 [223], BourreauGGLT22 [99], LuoB22 [318], HanenKP21 [210], Mercier-AubinGQ20 [332], MokhtarzadehTNF20 [334], Tom19 [448], EscobetPQPRA19 [151], GurEA19 [518], PourDERB18 [382], CappartS17 [107], NattafAL17 [349], ZarandiKS16 [503], Madi-WambaB16 [319], TranWDRFOVB16 [459], LetortCB15 [291], ZhouGL15 [513], PraletLJ15 [385], BonfiettiLBM14 [90], BonfiettiLM14 [92], ThiruvadyWGS14 [446], LombardiM12 [309], KovacsK11 [269], Rodriguez07 [396], Simonis07 [424], KovacsV06 [271]... (Total: 41)	PovedaAA23 [383], CampeauG22 [106], PohlAK22 [379], KlankeBYE21 [259], HubnerGSV21 [238], AntuoriHHEN21 [13], BenderWS21 [69], WessenCS20 [488], AntuoriHHEN20 [12], QinDCS20 [389], Polo-MejiaALB20 [380], FrimodigS19 [166], TangLWSK18 [435], HoYCLLC18 [230], BaptisteB18 [32], ShinBBHO18 [418], TranVNB17 [457], HechingH16 [216], NovaraNH16 [355], BurtLPS15 [104], WangMD15 [486], LimBTBB15 [296], BartakV15 [44], LombardiBM15 [303], MelgarejoLS15 [6], BessiereHMQW14 [76], DerrienPZ14 [139], KameugneFSN14 [251], AlesioNBG14 [140]... (Total: 70)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	job-shop	abs-2402-00459 [351], PrataAN23 [386], abs-2306-05747 [438], Mehdizadeh-Somarin23 [328], KimCMLLP23 [258], CzerniachowskaWZ23 [123], JuvinHHL23 [244], Bit-Monnot23 [79], NaderiRR23 [347], AbreuNP23 [130], YuraszeckMCCR23 [502], TasselGS23 [437], MullerMKP22 [342], Teppan22 [440], OujanaAYB22 [366], abs-2211-14492 [429], YuraszeckMPV22 [501], LiFJZLL22 [292], GeitzGSSW22 [182], ColT22 [121], ZhangBB22 [507], HamPK21 [209], KovacsTKSG21 [272], abs-2102-08778 [119], AbreuAPNM21 [128], FanXG21 [157], ZhangYW21 [508], MengZRZL20 [331], LunardiBLRV20 [315]... (Total: 87)	IsikYA23 [240], EfthymiouY23 [147], AlfieriGPS23 [9], TouatBT22 [450], YunusogluY22 [499], AbreuN22 [129], LuoB22 [318], QinWSLS21 [388], ArmstrongGOS21 [15], AstrandOF21 [23], KoehlerBFFHPSSS21 [261], GroleazNS20 [202], MejiaY20 [329], SacramentoSP20 [399], EscobetPQPRA19 [151], WikarekS19 [489], GokgurHO18 [191], MossigeGSMC17 [339], CappartS17 [107], BonfiettiLM14 [92], GaySS14 [176], BonfiettiLBM14 [90], BajestaniB13 [29], LombardiM12 [309], AronssonBK09 [17], LauLN08 [287], KovacsV06 [271], VilimBC05 [477], HebrardTW05 [215]... (Total: 38)	ShaikhK23 [416], YuraszeckMC23 [500], PovedaAA23 [383], LacknerMMWW23 [284], JuvinHL23 [245], HanenKP21 [210], KlankeBYE21 [259], AntuoriHHEN21 [13], BenediktSMVH18 [71], WessenCS20 [488], AntuoriHHEN20 [12], Mercier-AubinGQ20 [332], WallaceY20 [483], Tom19 [448], GurEA19 [518], FrimodigS19 [166], BogaerdW19 [464], abs-1902-09244 [211], ParkUJR19 [371], BenediktSMVH18 [71], Ham18 [208], ZarandiKS16 [503], LuoVLBM16 [317], TranDRFWOVB16 [454], TranWDRFOVB16 [459], PraletLJ15 [385], LimBTBB15 [296], BartakV15 [44], LombardiBM15 [303]... (Total: 79)
Concepts	lateness	FahimiOQ18 [154], KoschB14 [264], BartakSR10 [43], Geske05 [184], ArtiguesR00 [20]	PrataAN23 [386], PohlAK22 [379], ZhangW18 [509], AkkerDH07 [463], Sadykov04 [400]	LacknerMMWW23 [284], YunusogluY22 [499], GeitzGSSW22 [182], ColT22 [121], ZhangBB22 [507], KoehlerBFFHPSSS21 [261], HanenKP21 [210], QinWSLS21 [388], LacknerMMWW21 [283], Novas19 [356], ParkUJR19 [371], Tesch18 [444], BartakV15 [44], EdisO11 [146], NovasH10 [357], SadykovW06 [401], Bartak02 [39]
Concepts	lazy clause generation	KreterSS17 [274], KreterSS15 [273], SchuttFS13 [407], SchuttFSW13 [411], KelarevaTK13 [253], SchuttFS13a [406], SchuttFSW11 [410], abs-1009-0347 [409], SchuttFSW09 [408]	PovedaAA23 [383], Bit-Monnot23 [79], BoudreaultSLQ22 [98], GeitzGSSW22 [182], OuelletQ22 [365], FahimiOQ18 [154], SchuttS16 [412], SzerediS16 [433], SialaAH15 [420], BofilLEGPSV14 [85], GuSS13 [204], SchuttCSW12 [405]	WangB23 [485], TardivoDFMP23 [436], KameugneFND23 [249], FetgoD22 [160], GeibingerMM21 [181], HillTV21 [229], GodetLHS20 [189], WallaceY20 [483], Mercier-AubinGQ20 [332], YangSS19 [496], BaptisteB18 [32], GoldwaserS18 [193], YoungFS17 [498], BofilCSV17 [84], GoldwaserS17 [192], PesantRR15 [375], GuSW12 [205], LombardiM12 [309], GrimesH11 [197], SchuttW10 [413]
Concepts	machine	abs-2402-00459 [351], PrataAN23 [386], IsikYA23 [240], CzerniachowskaWZ23 [123], YuraszeckMCCR23 [502], AbreuNP23 [130], NaderiRR23 [347], TasselGS23 [437], Mehdizadeh-Somarin23 [328], AalianPG23 [1], JuvinHL23 [245], PerezGSL23 [373], JuvinHHL23 [244], abs-2312-13682 [374], LacknerMMWW23 [284], EfthymiouY23 [147], abs-2306-05747 [438], AlfieriGPS23 [9], YuraszeckMC23 [500], abs-2305-19888 [224], KimCMLLP23 [258], LiFJZLL22 [292], ArmstrongGOS22 [16], JungblutK22 [243], abs-2211-14492 [429], GeitzGSSW22 [182], YuraszeckMPV22 [501], ZhangJZL22 [506], AbreuN22 [129]... (Total: 179)	Bit-Monnot23 [79], AkramNHRSA23 [7], GurPAE23 [206], LuoB22 [318], HillTV21 [229], KlankeBYE21 [259], AbohashimaEG21 [2], AntuoriHHEN20 [12], Polo-MejiaALB20 [380], BehrensLM19 [61], GoldwaserS18 [193], BaptisteB18 [32], He0GLW18 [212], Ham18 [208], ShinBBHO18 [418], MusliuSS18 [346], FahimiOQ18 [154], GoldwaserS17 [192], KreterSS17 [274], Pralet17 [384], CohenHB17 [118], BridiLBBM16 [102], SchuttS16 [412], CauwelaertDMS16 [110], ZarandiKS16 [503], TranWDRFOVB16 [459], SialaAH15 [420], DejemeppeCS15 [133], MurphyMB15 [344]... (Total: 54)	KameugneFND23 [249], MontemanniD23 [338], ShaikhK23 [416], BoudreaultSLQ22 [98], PopovicCGNC22 [381], SubulanC22 [428], PohlAK22 [379], GeibingerMM21 [181], WallaceY20 [483], WangB20 [484], BarzegaranZP20 [46], Mercier-AubinGQ20 [332], YangSS19 [496], BadicaBIL19 [27], NishikawaSTT19 [354], Tom19 [448], YounespourAKE19 [497], HoYCLLC18 [230], PourDERB18 [382], Laborie18a [281], BofilCSV17 [84], CappartS17 [107], KletzanderM17 [260], YoungFS17 [498], LiuCGM17 [301], TranVNB17 [457], TranVNB17a [458], LimHTB16 [295], NovaraNH16 [355]... (Total: 104)
Concepts	make to order			OujanaAYB22 [366], DavenportKRSH07 [127], Simonis07 [424]
Concepts	make to stock			

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	make-span	PrataAN23 [386], JuvinHL23 [245], AbreuNP23 [130], EfthymiouY23 [147], PovedaAA23 [383], AlfieriGPS23 [9], abs-2305-19888 [224], NaderiRR23 [347], TasselGS23 [437], Bit-Monnot23 [79], abs-2306-05747 [438], AalianPG23 [1], CzerniachowskaWZ23 [123], LacknerMMWW23 [284], JuvinHHL23 [244], YuraszeckMC23 [500], IsikYA23 [240], Mehdizadeh-Somarin23 [328], HeinzNVH22 [223], AbreuN22 [129], GeitzGSSW22 [182], BoudreaultSLQ22 [98], YunusogluY22 [499], SubulanC22 [428], ArmstrongGOS22 [16], TouatBT22 [450], ColT22 [121], FarsiTM22 [158], ZhangBB22 [507]... (Total: 140)	YuraszeckMCCR23 [502], abs-2312-13682 [374], PerezGSL23 [373], KameugneFND23 [249], MullerMKP22 [342], SvancaraB22 [432], OujanaAYB22 [366], ZhangJZL22 [506], abs-2211-14492 [429], YuraszeckMPV22 [501], LiFJZLL22 [292], PandeyS21a [368], FanXG21 [157], QinDCS20 [389], AstrandJZ18 [24], KreterSS17 [274], YoungFS17 [498], BonfiettiZLM16 [94], GingrasQ16 [186], SialaAH15 [420], DejemeppeCS15 [133], GayHLS15 [173], BajestaniB15 [30], BonfiettiLBM14 [90], ThiruvadyWGS14 [446], KameugneFSN14 [251], GuSS13 [204], LombardiM12 [309], BillautHL12 [78]... (Total: 45)	KimCMLLP23 [258], TardivoDFMP23 [436], Teppan22 [440], PopovicCGNC22 [381], CampeauG22 [106], JungblutK22 [243], FetgoD22 [160], HanenKP21 [210], KoehlerBFFHPSSS21 [261], HubnerGSV21 [238], Mercier-AubinGQ20 [332], TangB20 [434], NattafM20 [350], SacramentoSP20 [399], NishikawaSTT19 [354], MurinR19 [343], abs-1911-04766 [179], BadicaBIL19 [27], Tom19 [448], GeibingerMM19 [180], NishikawaSTT18 [352], BorghesiBLMB18 [96], ArbaouiY18 [14], Ham18 [208], NishikawaSTT18a [353], OuelletQ18 [364], KameugneFGOQ18 [248], Tesch18 [444], TranPZLDB18 [455]... (Total: 85)
Concepts	manpower	NovaraNH16 [355]	LaborieRSV18 [282]	BourreauGGLT22 [99], BadicaBI20 [26], MokhtarzadehTNF20 [334], WikarekS19 [489], BaptisteB18 [32], MusliuSS18 [346], SchuttS16 [412], HechingH16 [216], GayHS15a [175], GaySS14 [176], LombardiM12 [309], Vilim11 [475], NovasH10 [357], NuijtenP98 [361], SimonisC95 [425], Puget95 [387]
Concepts	multi-agent	SvancaraB22 [432], BehrensLM19 [61], He0GLW18 [212], HoeveGSL07 [466]	MokhtarzadehTNF20 [334], abs-1901-07914 [62], TranVNB17 [457], LimHTB16 [295], BartakSR10 [43], BocewiczBB09 [83]	abs-2402-00459 [351], Mehdizadeh-Somarin23 [328], SquillaciPR23 [427], AbreuAPNM21 [128], ZhangYW21 [508], MejiaY20 [329], WessenCS20 [488], WikarekS19 [489], BadicaBIL19 [27], ZhangW18 [509], LimBTBB15 [296], KoschB14 [264], BartakS11 [42], GomesHS06 [195], AbriSB05 [3], BeckF98 [52], Wallace96 [482]
Concepts	no preempt			ColT22 [121], TouatBT22 [450], FanXG21 [157], Bedhief21 [59], MengZRZL20 [331], ParkUJR19 [371], TerekhovTDB14 [442], MonetteDD07 [335], BeckW07 [58], ArtiguesR00 [20]
Concepts	open-shop	PrataAN23 [386], Bit-Monnot23 [79], AbreuNP23 [130], NaderiRR23 [347], YuraszeckMPV22 [501], AbreuN22 [129], AbreuAPNM21 [128], MejiaY20 [329], FahimiOQ18 [154], GrimesHM09 [199], MonetteDD07 [335], LorigeonBB02 [313], FocacciLN00 [161]	SacramentoSP20 [399], MengZRZL20 [331], GrimesH10 [196], Vilim05 [472]	YuraszeckMCCR23 [502], YuraszeckMC23 [500], KimCMLLP23 [258], ShaikhK23 [416], OujanaAYB22 [366], ColT22 [121], Astrand0F21 [23], abs-2102-08778 [119], AstrandJZ20 [25], ParkUJR19 [371], SialaAH15 [420], BonfiettiLM14 [92], AlesioNBG14 [140], BillautHL12 [78], SchuttFSW11 [410], GrimesH11 [197], BartakSR10 [43], SchuttFSW09 [408], ThiruvadyBME09 [445], VilimBC05 [477], ArtiouchineB05 [21], HentenryckM04 [226], VilimBC04 [476], Vilim03 [470], ElkhyariGJ02a [149], VerfaillieL01 [468], SourdN00 [426]
Concepts	order	abs-2402-00459 [351], PrataAN23 [386], EfthymiouY23 [147], AbreuNP23 [130], AlfieriGPS23 [9], abs-2312-13682 [374], CzerniachowskaWZ23 [123], TasselGS23 [437], AalianPG23 [1], abs-2306-05747 [438], Bit-Monnot23 [79], JuvinHL23 [245], WangB23 [485], KameugneFND23 [249], LacknerMMWW23 [284], PerezGSL23 [373], JuvinHHL23 [244], SquillaciPR23 [427], IsikYA23 [240], YuraszeckMCCR23 [502], KimCMLLP23 [258], PovedaAA23 [383], PopovicCGNC22 [381], BoudreaultSLQ22 [98], LuoB22 [318], CampeauG22 [106], YunusogluY22 [499], AbreuN22 [129], BourreauGGLT22 [99]... (Total: 310)	MontemanniD23a [337], ShaikhK23 [416], abs-2305-19888 [224], NaderiRR23 [347], TardivoDFMP23 [436], YuraszeckMC23 [500], GurPAE23 [206], OuelletQ22 [365], SvancaraB22 [432], ArmstrongGOS22 [16], WinterMMW22 [490], HeinzNVH22 [223], JungblutK22 [243], TouatBT22 [450], ZhangBB22 [507], BenderWS21 [69], GeibingerMM21 [181], HillTV21 [229], abs-2102-08778 [119], QinDCS20 [389], WallaceY20 [483], ZouZ20 [517], TangB20 [434], ColT19 [120], BogaerdtW19 [464], FrohnerTR19 [167], YounespourAKE19 [497], DemirovicS18 [136], ShinBBHO18 [418]... (Total: 89)	MontemanniD23 [338], AkramNHRSA23 [7], Mehdizadeh-Somarin23 [328], ZhangJZL22 [506], AbohashimaEG21 [2], ZhangYW21 [508], MokhtarzadehTNF20 [334], KucukY19 [279], abs-1902-01193 [8], GalleguillosKSB19 [169], ArbaouiY18 [14], BenediktSMVH18 [71], He0GLW18 [212], Hooker17 [235], TranVNB17a [458], Bonfietti16 [87], SzerediS16 [433], HechingH16 [216], BridiLBBM16 [102], GayHS15a [175], ThiruvadyWGS14 [446], DoulabiRP14 [144], GuSS13 [204], LombardiM13 [310], SchuttFS13 [407], BonfiettiLM13 [91], HeinzKB13 [219], HeinzB12 [218], BonfiettiLBM11 [88]... (Total: 54)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	precedence	abs-2402-00459 [351], PovedaAA23 [383], YuraszeckMCCR23 [502], NaderiRR23 [347], IsikYA23 [240], AlfieriGPS23 [9], JuvinHHL23 [244], FetgoD22 [160], PohlAK22 [379], CampeauG22 [106], YunusogluY22 [499], BoudreaultSLQ22 [98], ZhangBB22 [507], GeibingerMM21 [181], HamPK21 [209], HanenKP21 [210], Astrand0F21 [23], HillTV21 [229], KoehlerBFFHPSSS21 [261], FanXG21 [157], HubnerGSV21 [238], ArmstrongGOS21 [15], ZhangYW21 [508], GroleazNS20 [202], SacramentoSP20 [399], Polo-MejiaALB20 [380], AstrandJZ20 [25], Mercier-AubinGQ20 [332], LunardiBLRV20 [315]... (Total: 130)	Bit-Monnot23 [79], KameugneFND23 [249], TardivoDFMP23 [436], OujanaAYB22 [366], SubulanC22 [428], ColT22 [121], VlKHT21 [480], AntuoriHHEN21 [13], WessenCS20 [488], MokhtarzadehTNF20 [334], QinDCS20 [389], GeibingerMM19 [180], Novas19 [356], abs-1911-04766 [179], ColT19 [120], BogaerdtW19 [464], MurinR19 [343], Ham18 [208], KameugneFGQ18 [248], Madi-WambaLOBM17 [320], MossigeGSMC17 [339], Madi-WambaB16 [319], GayHLS15 [173], VilimLS15 [478], BurtLPS15 [104], LombardiBM15 [303], BartakV15 [44], WangMD15 [486], BonfiettiLM14 [92]... (Total: 61)	PrataAN23 [386], KimCMLLP23 [258], JuvinHL23 [245], TasselGS23 [437], abs-2305-19888 [224], Mehdizadeh-Somarin23 [328], abs-2306-05747 [438], YuraszeckMC23 [500], MullerMKP22 [342], WinterMMW22 [490], abs-2211-14492 [429], HeinzNVH22 [223], BourreauGGLT22 [99], ZhangJZL22 [506], GeitzGSSW22 [182], TouatBT22 [450], KovacsTKSG21 [272], PandeyS21a [368], AbreuAPNM21 [128], TangB20 [434], GroleazNS20a [201], BaptisteB18 [32], He0GLW18 [212], OuelletQ18 [364], GokgurHO18 [191], DemirovicS18 [136], CappartS17 [107], KreterSS17 [274], TranVNB17 [457]... (Total: 85)
Concepts	preempt	JuvinHHL23 [244], PovedaAA23 [383], SubulanC22 [428], HanenKP21 [210], Polo-MejiaALB20 [380], BaptisteB18 [32], GokgurHO18 [191], FahimiOQ18 [154], ZarandiKS16 [503], EvenSH15 [152], EvenSH15a [153], AlesioNBG14 [140], LombardiM12 [309], BeldiceanuCDP11 [65], KovacsB11 [267], BartakSR10 [43], MonetteDD07 [335], KovacsB07 [265], Wolf03 [491], BaptisteP00 [35], PapaB98 [370], PembertonG98 [372], BaptisteP97 [34]	PrataAN23 [386], abs-2305-19888 [224], OuelletQ22 [365], FetgoD22 [160], HeinzNVH22 [223], SacramentoSP20 [399], Mercier-AubinGQ20 [332], LunardiBLRV20 [315], YoungFS17 [498], NattafAL15 [348], SimoninAHL15 [422], TerekhovTDB14 [442], OzturkTHO13 [367], BajestaniB13 [29], SimoninAHL12 [421], SchuttFSW11 [410], SchuttFSW09 [408], Laborie09 [280], KovacsB08 [266], ArtiouchineB05 [21], SourdN00 [426], NuijtenP98 [361]	NaderiRR23 [347], TasselGS23 [437], AalianPG23 [1], TardivoDFMP23 [436], YuraszeckMC23 [500], YuraszeckMCCR23 [502], KameugneFND23 [249], AkramNHRSa23 [7], AbreuNP23 [130], abs-2306-05747 [438], IsikYA23 [240], Mehdizadeh-Somarin23 [328], AbreuN22 [129], TouatBT22 [450], Teppan22 [440], GeitzGSSW22 [182], BoudreaultSLQ22 [98], ColT22 [121], MullerMKP22 [342], YunusogluY22 [499], OujanaAYB22 [366], JungblutK22 [243], ZhangBB22 [507], Bedhief21 [59], BenderWS21 [69], FanXG21 [157], QinWSLS21 [388], KovacsTKSG21 [272], HubnerGSV21 [238]... (Total: 122)
Concepts	producer/consumer	SchuttS16 [412], PoderBS04 [378], Kumar03 [278], SimonisC95 [425]	HermenierDL11 [228], BeldiceanuC02 [64]	GeitzGSSW22 [182], KlankeBYE21 [259], LombardiM12a [308], PoderB08 [377], Simonis07 [424], Timpe02 [447], Simonis95 [423]
Concepts	re-scheduling	HamPK21 [209], BarzegaranZP20 [46], ZhangW18 [509], Madi-WambaLOBM17 [320], CappartS17 [107], BartakV15 [44], GrimesIOS14 [200], BajestaniB13 [29], TranTDB13 [456], RendIPHPR12 [392], LombardiM12 [309], IfrimOS12 [239], NovasH10 [357], BidotVLB09 [77], MartinPY01 [326], ArtiguesR00 [20]	Mehdizadeh-Somarin23 [328], KovacsTKSG21 [272], AstrandJZ20 [25], HoYCLLC18 [230], TranPZLDB18 [455], LimHTB16 [295], LimBTBB15 [296], CobanH10 [117], Acuna-AgostMFG09 [4]	PrataAN23 [386], abs-2312-13682 [374], abs-2306-05747 [438], EfthymiouY23 [147], ShaikhK23 [416], abs-2305-19888 [224], TasselGS23 [437], GurPAE23 [206], NaderiRR23 [347], PerezGSL23 [373], BourreauGGLT22 [99], FarsiTM22 [158], YunusogluY22 [499], HeinzNVH22 [223], ArmstrongGOS22 [16], LuoB22 [318], PohlAK22 [379], YuraszeckMPV22 [501], KlankeBYE21 [259], PandeyS21a [368], ZhangYW21 [508], BenediktMH20 [70], MejiaY20 [329], LunardiBLRV20 [315], NishikawaSTT19 [354], YounespourAKE19 [497], GalleguillosKSB19 [169], Tom19 [448], abs-1911-04766 [179]... (Total: 72)
Concepts	release-date	WinterMMW22 [490], YunusogluY22 [499], YuraszeckMPV22 [501], HanenKP21 [210], Bedhief21 [59], Polo-MejiaALB20 [380], EscobetPQPRA19 [151], Tesch18 [444], KameugneFSN14 [251], LimtanyakulS12 [298], SerraNM12 [415], KameugneFSN11 [250], KovacsB11 [267], LombardiM10a [306], BartakSR10 [43], abs-0907-0939 [376], AkkerDH07 [463], KovacsB07 [265], SadykovW06 [401], ArtiouchineB05 [21], Hooker05 [232], SchuttWS05 [414], Hooker04 [231], Zhou97 [512], Zhou96 [511], Colombani96 [122]	PrataAN23 [386], LacknerMMWW23 [284], LacknerMMWW21 [283], AntuoriHHEN20 [12], GroleazNS20 [202], GroleazNS20a [201], abs-1911-04766 [179], GeibingerMM19 [180], HeinzSB13 [222], KelbelH11 [254], Laborie09 [280], Limtanyakul07 [297], Simonis07 [424], Hooker06 [234], Hooker05a [233], WuBB05 [494], Sadykov04 [400], SourdN00 [426], BeckF98 [52]	PovedaAA23 [383], IsikYA23 [240], YuraszeckMC23 [500], TouatBT22 [450], PohlAK22 [379], AntuoriHHEN21 [13], GeibingerMM21 [181], ZhangYW21 [508], HillTV21 [229], AbreuAPNM21 [128], KovacsTKSG21 [272], GodetLHS20 [189], MejiaY20 [329], Novas19 [356], abs-1902-09244 [211], LaborieRSV18 [282], Laborie18a [281], GokgurHO18 [191], NattafAL17 [349], NattafAL15 [348], DejemeppeCS15 [133], KoschB14 [264], TerekhovTDB14 [442], HeinzKB13 [219], SchuttFSW13 [411], BillautHL12 [78], HeinzB12 [218], TranB12 [453], GrimesH11 [197]... (Total: 51)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	resource	PrataAN23 [386], abs-2402-00459 [351], JuvinHHL23 [244], KameugneFND23 [249], PovedaAA23 [383], YuraszeckMCCR23 [502], abs-2305-19888 [224], CzerniachowskaWZ23 [123], ShaikhK23 [416], AlfieriGPS23 [9], NaderiRR23 [347], AalianPG23 [1], WangB23 [485], TardivoDFMP23 [436], GurPAE23 [206], BourreauGGLT22 [99], HeinzNVH22 [223], GeitzGSSW22 [182], LuoB22 [318], AbreuN22 [129], BoudreaultSLQ22 [98], TouatBT22 [450], YunusogluY22 [499], CampeauG22 [106], SubulanC22 [428], OuelletQ22 [365], FarsiTM22 [158], ColT22 [121], OujanaAYB22 [366]... (Total: 302)	Caballero23 [105], PerezGSL23 [373], abs-2312-13682 [374], IsikYA23 [240], abs-2306-05747 [438], TasselGS23 [437], Bit-Monnot23 [79], AbreuNP23 [130], abs-2211-14492 [429], PohlAK22 [379], YuraszeckMPV22 [501], MullerMKP22 [342], WinterMMW22 [490], SvancaraB22 [432], AstrandOF21 [23], KlankeBYE21 [259], MokhtarzadehTNF20 [334], TangB20 [434], LunardiBLRV20 [315], WallaceY20 [483], FrimodigS19 [166], abs-1902-01193 [8], ParkUJR19 [371], HoYCLLC18 [230], GedikKEK18 [177], Ham18 [208], BenediktSMVH18 [71], GelainPRVW17 [183], GoldwaserS17 [192]... (Total: 56)	MontemanniD23 [338], AkramNHRSA23 [7], SquillaciPR23 [427], Teppan22 [440], PopovicCGNC22 [381], ArmstrongGOS22 [16], JungblutK22 [243], ZhangJZL22 [506], AntuoriHHEN21 [13], HamPK21 [209], AbreuAPNM21 [128], AbohashimaEG21 [2], KoehlerBFFHPSSS21 [261], ArmstrongGOS21 [15], FanXG21 [157], abs-2102-08778 [119], MejiaY20 [329], BarzegaranZP20 [46], NattafM20 [350], BadicaBIL19 [27], KucukY19 [279], ColT19 [120], AstrandJZ18 [24], ZhangW18 [509], KletzanderM17 [260], Hooker17 [235], TranVNB17a [458], ZarandiKS16 [503], GayHLS15 [173]... (Total: 55)
Concepts	scheduling	abs-2402-00459 [351], PrataAN23 [386], AbreuNP23 [130], TasselGS23 [437], Bit-Monnot23 [79], IsikYA23 [240], AalianPG23 [1], abs-2305-19888 [224], abs-2312-13682 [374], PerezGSL23 [373], abs-2306-05747 [438], JuvinHHL23 [244], TardivoDFMP23 [436], YuraszeckMC23 [500], Mehdizadeh-Somarin23 [328], MontemanniD23 [338], KimCMLLP23 [258], AkramNHRSA23 [7], ShaikhK23 [416], KameugneFND23 [249], LacknerMMWW23 [284], GurPAE23 [206], PovedaAA23 [383], EfthymiouY23 [147], AlfieriGPS23 [9], SquillaciPR23 [427], Caballero23 [105], CzerniachowskaWZ23 [123], YuraszeckMCCR23 [502]... (Total: 440)	HebrardALLCMR22 [213], GayHS15 [174], Kameugne15 [247], BessiereHMqw14 [76], HoundjiSWD14 [237], LetortCB13 [290], LetortBC12 [289], ChapadosJR11 [112], ClercqPBJ11 [116], Baptiste09 [31], Acuna-AgostMFG09 [4], abs-0907-0939 [376], GomesHS06 [195], MoffittPP05 [333], WuBB05 [494], DilkinaDH05 [141], HebrardTW05 [215], Vilim03 [470], ValleMGT03 [462], Vilim02 [469], HookerY02 [236], RodriguezDG02 [395], CestaOS98 [111], FrostD98 [168], Touraivane95 [451]	Hooker17 [235], RossiTHP07 [397], AbrilSB05 [3], VanczaM01 [467]
Concepts	sequence setup	dependent GedikKEK18 [177], TranB12 [453], FocacciLN00 [161]	IsikYA23 [240], YuraszeckMPV22 [501], GeitzGSSW22 [182], MengZRZL20 [331], RiahiNS018 [393], LombardiM12 [309], Simonis07 [424], ArtiguesBF04 [18]	PrataAN23 [386], NaderiRR23 [347], abs-2305-19888 [224], YunusogluY22 [499], PohlAK22 [379], HeinzNVH22 [223], OujanaAYB22 [366], Bedhief21 [59], HamPK21 [209], ArmstrongGOS21 [15], Mercier-AubinGQ20 [332], MejiaY20 [329], MalapertN19 [322], Novas19 [356], KucukY19 [279], ArbaouiY18 [14], LaborieRSV18 [282], Ham18 [208], FahimiOQ18 [154], Pralet17 [384], CauwelaertDMS16 [110], NovaraNH16 [355], DejemeppeCS15 [133], BajestaniB15 [30], KovacsK11 [269], GrimesH10 [196], Laborie09 [280], DavenportKRSH07 [127], AkkerDH07 [463]... (Total: 32)

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	setup-time	PrataAN23 [386], LacknerMMWW23 [284], IsikYA23 [240], abs-2305-19888 [224], AbreuNP23 [130], NaderiRR23 [347], YuraszeckMPV22 [501], PohlAK22 [379], GeitzGSSW22 [182], WinterMMW22 [490], HeinzNVH22 [223], AbreuN22 [129], OujanaAYB22 [366], YunusogluY22 [499], ColT22 [121], LacknerMMWW21 [283], NattafM20 [350], MejiaY20 [329], GroleazNS20 [202], Mercier-AubinGQ20 [332], QinDCS20 [389], LunardiBLRV20 [315], GroleazNS20a [201], MengZRZL20 [331], Novas19 [356], BogaerdtW19 [464], MalapertN19 [322], MurinR19 [343], ArbaouiY18 [14]... (Total: 43)	AlfieriGPS23 [9], CzerniachowskaWZ23 [123], KimCMLLP23 [258], LiFJZLL22 [292], Bedhief21 [59], AbreuAPNM21 [128], ArmstrongGOS21 [15], FanXG21 [157], AstrandJZ20 [25], LaborieRSV18 [282], NovaraNH16 [355], GaySS14 [176], OzturkTHO13 [367], KelarevaTK13 [253], ThiruvadyBME09 [445], BeniniBGM06 [72], Timpe02 [447], Vilim02 [469]	YuraszeckMCCR23 [502], JuvinHHL23 [244], JuvinHL23 [245], Mehdizadeh-Somarin23 [328], EfthymiouY23 [147], abs-2211-14492 [429], ZhangJZL22 [506], MullerMKP22 [342], Teppan22 [440], HamPK21 [209], ZhangYW21 [508], AbohashimaEG21 [2], BenderWS21 [69], GodetLHS20 [189], MokhtarzadehTNF20 [334], Polo-MejiaALB20 [380], BehrensLM19 [61], abs-1902-09244 [211], KucukY19 [279], WikarekS19 [489], GokgurHO18 [191], FahimiOQ18 [154], TranVNB17a [458], GilesH16 [185], ZhouGL15 [513], MelgarejoLS15 [6], GoelSHFS15 [190], SialaAH15 [420], BartakV15 [44]... (Total: 51)
Concepts	stock level	LopesCSM10 [311], SimonisC95 [425]	RossiTHP07 [397], Timpe02 [447]	KhemmoudjPB06 [257]
Concepts	tardiness	PrataAN23 [386], IsikYA23 [240], AlfieriGPS23 [9], KimCMLLP23 [258], LacknerMMWW23 [284], NaderiRR23 [347], WinterMMW22 [490], TouatBT22 [450], YunusogluY22 [499], AbreuN22 [129], OujanaAYB22 [366], PohlAK22 [379], abs-2211-14492 [429], FanXG21 [157], AntuoriHHEN21 [13], LacknerMMWW21 [283], GroleazNS20a [201], Mercier-AubinGQ20 [332], AntuoriHHEN20 [12], MengZRZL20 [331], TangB20 [434], abs-1902-09244 [211], ParkUJR19 [371], BogaerdtW19 [464], LaborieRSV18 [282], NovaraNH16 [355], ZarandiKS16 [503], BridiBLMB16 [101], BartoliniBBLM14 [45]... (Total: 46)	abs-2402-00459 [351], AbreuNP23 [130], SubulanC22 [428], FarsiTM22 [158], ColT22 [121], KovacsTKSG21 [272], AbreuAPNM21 [128], GroleazNS20 [202], GedikKEK18 [177], GokgurHO18 [191], Hooker17 [235], ThiruvadyWGS14 [446], TerekhovTDB14 [442], BajestaniB13 [29], NovasH10 [357], BartakSR10 [43], QuirogaZH05 [391], Hooker05 [232], GodardLN05 [187]	Mehdizadeh-Somarin23 [328], JuvinHL23 [245], abs-2306-05747 [438], TasselGS23 [437], LiFJZLL22 [292], ZhangJZL22 [506], VlkHT21 [480], HanenKP21 [210], KoehlerBFFHPSSS21 [261], HamPK21 [209], GeibingerMM21 [181], HubnerGSV21 [238], QinWSLS21 [388], Bedhief21 [59], QinDCS20 [389], Polo-MejiaALB20 [380], MejiaY20 [329], LunardiBLRV20 [315], Tom19 [448], Novas19 [356], RiahiNS018 [393], ZhangW18 [509], DejemeppeCS15 [133], MelgarejoLS15 [6], ZhouGL15 [513], BurtLPS15 [104], LimBTBB15 [296], SialaAH15 [420], PraletLJ15 [385]... (Total: 53)
Concepts	task	PrataAN23 [386], abs-2402-00459 [351], JuvinHL23 [245], CzerniachowskaWZ23 [123], JuvinHHL23 [244], WangB23 [485], YuraszeckMCCR23 [502], PovedaAA23 [383], abs-2305-19888 [224], KameugneFND23 [249], AkramNHRSA23 [7], LiFJZLL22 [292], CampeauG22 [106], ColT22 [121], SubulanC22 [428], OuelletQ22 [365], FetgoD22 [160], abs-2211-14492 [429], GeitzGSSW22 [182], TouatBT22 [450], HeinzNVH22 [223], JungblutK22 [243], BoudreaultSLQ22 [98], AstrandOF21 [23], HanenKP21 [210], KoehlerBFFHPSSS21 [261], KlankeBYE21 [259], HillTV21 [229], PandeyS21a [368]... (Total: 199)	MontemanniD23a [337], Bit-Monnot23 [79], IsikYA23 [240], MontemanniD23 [338], LacknerMMWW23 [284], ShaikhK23 [416], SquillaciPR23 [427], YuraszeckMPV22 [501], PopovicCGNC22 [381], MullerMKP22 [342], WinterMMW22 [490], AbreuN22 [129], FarsiTM22 [158], SvancaraB22 [432], OujanaAYB22 [366], BenderWS21 [69], HubnerGSV21 [238], GeibingerMM21 [181], ZouZ20 [517], BarzegaranZP20 [46], Polo-MejiaALB20 [380], AntuoriHHEN20 [12], BadicaB120 [26], WallaceY20 [483], WikarekS19 [489], DemirovicS18 [136], GoldwasserS18 [193], MusliussS18 [346], YoungFS17 [498]... (Total: 50)	NaderiRR23 [347], TasselGS23 [437], EfthymiouY23 [147], PerezGSL23 [373], abs-2312-13682 [374], Mehdizadeh-Somarin23 [328], TardivoDFMP23 [436], abs-2306-05747 [438], Teppan22 [440], ZhangJZL22 [506], ArmstrongGOS22 [16], ZhangBB22 [507], ZhangYW21 [508], abs-2102-08778 [119], FanXG21 [157], AbreuAPNM21 [128], AntuoriHHEN21 [13], LacknerMMWW21 [283], HamPK21 [209], AstrandJZ20 [25], SacramentoSP20 [399], FallahiAC20 [156], BenediktMH20 [70], MengZRZL20 [331], ParkUJR19 [371], MurinR19 [343], abs-1902-09244 [211], FrimodigS19 [166], abs-1902-01193 [8]... (Total: 84)
Concepts	temporal constraint reasoning			BartakSR10 [43], KeriK07 [255], FortinZDF05 [163]

Table 10: Works for Concepts of Type Concepts

Type	Keyword	High	Medium	Low
Concepts	transportation	CzerniachowskaWZ23 [123], ArmstrongGOS22 [16], PohlAK22 [379], BourreauGGLT22 [99], GeitzGSSW22 [182], ArmstrongGOS21 [15], QinDCS20 [389], SacramentoSP20 [399], MurinR19 [343], Ham18 [208], PourDERB18 [382], TangLWSK18 [435], GoelSHFS15 [190], NovasH14 [359], KelarevaTK13 [253], NovasH12 [358], HachemiGR11 [207], LopesCSM10 [311], BocewiczBB09 [83], Rodriguez07 [396], ZeballosH05 [504]	NaderiRR23 [347], KimCMLLP23 [258], AbreuN22 [129], SubulanC22 [428], PopovicCGNC22 [381], AbohashimaEG21 [2], MengZRZL20 [331], MejiaY20 [329], FallahiAC20 [156], LaborieRSV18 [282], EvenSH15 [152], MelgarejoLS15 [6], RendlPHPR12 [392], MakMS10 [321], MouraSCL08a [340], MouraSCL08 [341], LimRX04 [294], Mason01 [327], ArtiguesR00 [20], Wallace96 [482]	AalianPG23 [1], IsikYA23 [240], AbreuNP23 [130], abs-2312-13682 [374], WangB23 [485], MontemanniD23a [337], PerezGSL23 [373], AlfieriGPS23 [9], ColT22 [121], BoudreaultSLQ22 [98], abs-2211-14492 [429], ZhangJZL22 [506], YuraszeckMPV22 [501], LiFJZLL22 [292], YunusogluY22 [499], AntuoriHHEN21 [13], Bedhief21 [59], HubnerGSV21 [238], GroleazNS20a [201], WallaceY20 [483], Novas19 [356], abs-1902-09244 [211], Tom19 [448], GoldwasserS18 [193], GokgurHO18 [191], ZhangW18 [509], ShinBBHO18 [418], He0GLW18 [212], GedikKEK18 [177]... (Total: 66)

6.2 Concept Type Classification

Table 11: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	2BPHFSP	TangB20 [434]		
Classification	BPCTOP	KelarevaTK13 [253]		
Classification	Bulk Port Cargo Throughput Optimisation Problem			KelarevaTK13 [253]
Classification	CECSP	NattafAL17 [349], NattafAL15 [348]		
Classification	CHSP	EfthymiouY23 [147], WallaceY20 [483]		
Classification	CTW	KoehlerBFFHPSSS21 [261]		
Classification	CuSP	KameugneFND23 [249], FetgoD22 [160], Tesch18 [444], KameugneFGOQ18 [248], Tesch16 [443], NattafAL15 [348], DerrienPZ14 [139], KameugneFSN14 [251], KameugneFSN11 [250], SchuttW10 [413]	GingrasQ16 [186], OuelletQ13 [363]	TardivoDFMP23 [436], HanenKP21 [210], DerrienP14 [138]
Classification	EOSP		SquillaciPR23 [427]	
Classification	Earth Observation Scheduling Problem		SquillaciPR23 [427]	
Classification	FJS	WangB23 [485], YuraszeckMCCR23 [502], MullerMKP22 [342], Teppan22 [440], HamPK21 [209], LunardiBLRV20 [315], WangB20 [484], MengZRZL20 [331], Novas19 [356], MossigeGSMC17 [339]	OujanaAYB22 [366], abs-1902-09244 [211], ZhangW18 [509], SchuttFS13 [407]	NaderiRR23 [347], ColT22 [121], ZhouGL15 [513]
Classification	Fixed Job Scheduling	WangB20 [484]	WangB23 [485]	
Classification	GCSP	GroleazNS20 [202]		
Classification	HFF	ArmstrongGOS22 [16], OujanaAYB22 [366], ArmstrongGOS21 [15], ZhouGL15 [513]		
Classification	JSPT		MurinR19 [343]	
Classification	JSSP	JuvinHHL23 [244], YuraszeckMC23 [500], TasselGS23 [437], YuraszeckMCCR23 [502], abs-2306-05747 [438], ColT22 [121], YuraszeckMPV22 [501], GeitzGSSW22 [182], Teppan22 [440], abs-2102-08778 [119], ColT19 [120], Pralet17 [384], KelbelH11 [254], BidotVLB09 [77], GodardLN05 [187], SourdN00 [426], PapaB98 [370], NuijtenP98 [361], NuijtenA94 [360]	GalleguillosKSB19 [169], LombardiBM15 [303], SialaAH15 [420], BelhadjiI98 [68]	EfthymiouY23 [147], Mehdizadeh-Somarin23 [328], CzerniachowskaWZ23 [123], WikarekS19 [489], PraletLJ15 [385], BajestaniB11 [28]
Classification	KRFP	KamarainenS02 [246], SakkoutW00 [402]		
Classification	LSFRP	KelarevaTK13 [253]		
Classification	Liner Shipping Fleet Repositioning Problem		KelarevaTK13 [253]	
Classification	MGAP	Darby-DowmanLMZ97 [125]		
Classification	Modified Generalized Assignment Problem			
Classification	OSP	NaderiRR23 [347], LacknerMMWW23 [284], Bit-Monnot23 [79], LacknerMMWW21 [283], GayHLS15 [173]	SquillaciPR23 [427], GrimesHM09 [199], MonetteDD07 [335]	MengZRZL20 [331]
Classification	OSSP	YuraszeckMC23 [500], AbreuNP23 [130], YuraszeckMPV22 [501], ColT22 [121], AbreuN22 [129], AbreuAPNM21 [128], MejiaY20 [329]		YuraszeckMCCR23 [502]

Table 11: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	Open Shop Scheduling Problem	AbreuNP23 [130], AbreuN22 [129], AbreuAPNM21 [128], MejiaY20 [329]	LorigeonBB02 [313]	PrataAN23 [386], Bit-Monnot23 [79], YuraszeckMCCR23 [502], NaderiRR23 [347], YuraszeckMPV22 [501], ColT22 [121], MengZRZL20 [331], SacramentoSP20 [399], GrimesH10 [196], GrimesHM09 [199], MonetteDD07 [335], VerfaillieL01 [468]
Classification	PJSSP		PapaB98 [370]	
Classification	PMSP	NaderiRR23 [347], YunusogluY22 [499], WinterMMW22 [490], PandeyS21a [368], GodetLHS20 [189], MalapertN19 [322], GedikKEK18 [177], TranB12 [453]	VlkHT21 [480], NattafM20 [350]	OujanaAYB22 [366], ColT22 [121]
Classification	PP-MS-MMRCPSP			
Classification	PTC	NattafM20 [350], MalapertN19 [322]	NaderiRR23 [347]	CzerniachowskaWZ23 [123], Teppan22 [440]
Classification	Pre-emptive Job-Shop scheduling Problem			
Classification	RCPSP	YuraszeckMCCR23 [502], PovedaAA23 [383], CampeauG22 [106], BoudreaultSLQ22 [98], SubulanC22 [428], FetgoD22 [160], BenderWS21 [69], GeibingerMM21 [181], HillTV21 [229], HubnerGSV21 [238], Polo-MejiaALB20 [380], GeibingerMM19 [180], abs-1902-09244 [211], abs-1911-04766 [179], LaborieRSV18 [282], TangLWSK18 [435], KameugneFGOQ18 [248], Pralet17 [384], KreterSS17 [274], YoungFS17 [498], BofillCSV17 [84], MossigeGSMC17 [339], SzerediS16 [433], SchuttS16 [412], KreterSS15 [273], VilimLS15 [478], BonfiettiLM13 [91], HeinzSB13 [222], SchuttFSW13 [411]... (Total: 42)	TardivoDFMP23 [436], Caballero23 [105], KameugneFND23 [249], KovacsTKSG21 [272], GroleazNS20a [201], BaptisteB18 [32], Tesch18 [444], LombardiBM15 [303], NattafAL15 [348], GayHLS15 [173], KameugneFSN14 [251], LombardiM13 [310], KameugneFSN11 [250], HeinzS11 [221], abs-1009-0347 [409], KeriK07 [255], KovacsV06 [271], HeipckeCCS00 [225], ArtiguesR00 [20]	NaderiRR23 [347], GeitzGSSW22 [182], TouatBT22 [450], HanenKP21 [210], ZhangYW21 [508], Mercier-AubinGQ20 [332], WikarekS19 [489], OuelletQ18 [364], FahimiOQ18 [154], GingrasQ16 [186], BonfiettiZLM16 [94], Tesch16 [443], SialaAH15 [420], GayHS15a [175], DerrienPZ14 [139], BonfiettiLM14 [92], BonfiettiLBM14 [90], KoschB14 [264], SchuttFS13a [406], OuelletQ13 [363], SchuttFS13 [407], LetortCB13 [290], BonfiettiM12 [93], BonfiettiLBM12 [89], LombardiBMB11 [304], GrimesH11 [197], Vilim11 [475], LahimerLH11 [285], BonfiettiLBM11 [88]... (Total: 35)
Classification	RCPSPDC			CampeauG22 [106], HubnerGSV21 [238]
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow			
Classification	SBSFMMAL	OzturkTHO13 [367]		
Classification	SCC	KimCMLLP23 [258], WolinskiKG04 [493]	SchuttFSW13 [411], abs-1009-0347 [409]	PohlAK22 [379], BeniniLMR11 [73], SchausHMCMD11 [403]
Classification	SMSDP			
Classification	Steel-making and continuous casting			
Classification	TCSP	BelhadjiI98 [68]		BartakSR10 [43], LombardiM10a [306]
Classification	TMS	PopovicCGNC22 [381]	BegB13 [60]	CappartS17 [107]
Classification	Temporal Constraint Satisfaction Problem		BelhadjiI98 [68]	BartakSR10 [43], MoffittPP05 [333]
Classification	parallel machine	PrataAN23 [386], abs-2305-19888 [224], IsikYA23 [240], CzerniachowskaWZ23 [123], NaderiRR23 [347], ZhangJZL22 [506], WinterMMW22 [490], HeinzNVH22 [223], OujanaAYB22 [366], YunusogluY22 [499], PandeyS21a [368], GodetLHS20 [189], MengZRZL20 [331], NattafM20 [350], MalapertN19 [322], GedikKEK18 [177], ArbaouiY18 [14], GokgurHO18 [191], HebrardHJMPV16 [214], TranB12 [453], EdisO11 [146]	AbreuNP23 [130], Teppan22 [440], ColT22 [121], Bedhief21 [59], SacramentoSP20 [399], MejiaY20 [329], MokhtarzadehTNF20 [334], ParkUJR19 [371], Novas19 [356], BogaerdTW19 [464], BenediktSMVH18 [71], ZhouGL15 [513], TerekhovTDB14 [442], BajestaniB13 [29], TranTDB13 [456], KovacsB11 [267], AkkerDH07 [463], SadykovW06 [401]	KimCMLLP23 [258], JuvinHHL23 [244], LacknerMMWW23 [284], Mehdizadeh-Somarin23 [328], AlfieriGPS23 [9], ArmstrongGOS22 [16], HamPK21 [209], LacknerMMWW21 [283], HanenKP21 [210], FanXG21 [157], AbohashimaEG21 [2], AbreuAPNM21 [128], AstrandJZ20 [25], GroleazNS20a [201], QinDCS20 [389], NishikawaSTT19 [354], Ham18 [208], LaborieRSV18 [282], BaptisteB18 [32], KletzanderM17 [260], KreterSS17 [274], FontaineMH16 [162], BurtLPS15 [104], KreterSS15 [273], NovasH14 [359], LombardiM12 [309], LahimerLH11 [285], KovacsB07 [265], ArtiouchineB05 [21]... (Total: 31)

Table 11: Works for Concepts of Type Classification

Type	Keyword	High	Medium	Low
Classification	psplib	TardivoDFMP23 [436], OuelletQ18 [364], GayHS15a [175], LetortCB15 [291], KameugneFSN14 [251], DerrienP14 [138], SchuttFSW13 [411], SchuttFS13a [406], HeinzSB13 [222], SchuttFSW11 [410], BertholdHLMS10 [75], SchuttFSW09 [408]	KameugneFND23 [249], BoudreaultSLQ22 [98], HillTV21 [229], BadicaBI20 [26], Tesch18 [444], FahimiOQ18 [154], BaptisteB18 [32], SzerediS16 [433], Tesch16 [443], GingrasQ16 [186], GayHLS15 [173], VilimLS15 [478], LombardiBM15 [303], BonfiettiLM14 [92], LetortCB13 [290], LombardiM12a [308], LetortBC12 [289], HeinzS11 [221], Vilim11 [475], SchuttW10 [413], abs-1009-0347 [409]	LaborieRSV18 [282], Pralet17 [384], YoungFS17 [498], BofilCSV17 [84], ThiruvadyWGS14 [446], LombardiM13 [310], OuelletQ13 [363], LombardiM12 [309], KameugneFSN11 [250], LiessM08 [293], FortinZDF05 [163], ElkhyariGJ02a [149]
Classification	single machine	PrataAN23 [386], AlfieriGPS23 [9], LacknerMMWW23 [284], TouatBT22 [450], HamPK21 [209], BenediktMH20 [70], BogaerdW19 [464], BajestaniB15 [30], BajestaniB13 [29], KovacsB11 [267], ThiruvadyBME09 [445], KovacsB07 [265], SadykovW06 [401], SourdN00 [426]	YuraszeckMPV22 [501], ZhangBB22 [507], PandeyS21a [368], Bedhief21 [59], HillTV21 [229], KoehlerBFFHPSSS21 [261], AbreuAPNM21 [128], LacknerMMWW21 [283], NattafM20 [350], BenediktSMVH18 [71], Tesch18 [444], TranPZLDB18 [455], KoschB14 [264], BillautHL12 [78], TranB12 [453], KovacsK11 [269], AkkerDH07 [463], Sadykov04 [400], OddiPCC03 [362], SchildW00 [404], BeckF98 [52]	abs-2402-00459 [351], IsikYA23 [240], NaderiRR23 [347], Mehdizadeh-Somarin23 [328], GeitzGSSW22 [182], AbreuN22 [129], ColT22 [121], abs-2211-14492 [429], PohlAK22 [379], ZhangJZL22 [506], LiFJZLL22 [292], FanXG21 [157], QinWSLS21 [388], KovacsTKSG21 [272], TangB20 [434], GodetLHS20 [189], ParkUJR19 [371], Tom19 [448], MalapertN19 [322], GedikKEK18 [177], AstrandJZ18 [24], ArbaouiY18 [14], GokgurHO18 [191], MossigeGSMC17 [339], DoulabiRP16 [145], ZarandiKS16 [503], TranWDRFOVB16 [459], DejemeppeCS15 [133], MelgarejoLS15 [6]... (Total: 54)

6.3 Concept Type Constraints

Table 12: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	alldifferent	JuvinHHL23 [244], KoehlerBFFHPSSS21 [261], Simonis07 [424]	GodetLHS20 [189], BessiereHMqw14 [76], KelarevaTK13 [253]	WangB23 [485], ColT22 [121], BourreauGGLT22 [99], FarsiTM22 [158], AstrandJZ20 [25], WangB20 [484], AntuoriHHEN20 [12], MokhtarzadehTNF20 [334], FahimiOQ18 [154], MelgarejoLS15 [6], AlesioNBG14 [140], ChuGNSW13 [113], ClercqPBj11 [116], HermenierDL11 [228], HachemiGR11 [207], TrojetHL11 [460], LopesCSM10 [311], BeldiceanuC94 [63]
Constraints	alternative constraint	LaborieRSV18 [282]	abs-2305-19888 [224], MurinR19 [343], GokgurHO18 [191]	LacknerMMWW23 [284], NaderiRR23 [347], WinterMMW22 [490], ZhangJZL22 [506], SvancaraB22 [432], HeinzNVH22 [223], ArmstrongGOS21 [15], HubnerGSV21 [238], PandeyS21a [368], VlKHT21 [480], HillTV21 [229], MengZRZL20 [331], Polo-MejiaALB20 [380], SacramentoSP20 [399], YounespourAKE19 [497], EscobetPQPRA19 [151], GeibingerMM19 [180], NishikawaSTT19 [354], GalleguillosKSB19 [169], MalapertN19 [322], abs-1911-04766 [179], ArbaouiY18 [14], Laborie18a [281], NishikawaSTT18a [353], NishikawaSTT18 [352], CappartS17 [107], CohenHB17 [118], TranVNB17 [457], TranVNB17a [458]... (Total: 35)
Constraints	alwaysIn	PopovicCGNC22 [381], SerraNM12 [415]	AalianPG23 [1], LuoB22 [318], TangB20 [434], Polo-MejiaALB20 [380], MalapertN19 [322], LaborieRSV18 [282], GoelSHFS15 [190]	CampeauG22 [106], KreterSS17 [274], BajestaniB13 [29]
Constraints	bin-packing	TangB20 [434], LetortCB15 [291], LetortCB13 [290], HeinzSSW12 [220], LetortBC12 [289], SchausHMCMD11 [403]	LuoB22 [318], BadicaBI20 [26], FrimodigS19 [166], BaptisteB18 [32], GarganiR07 [170], SakkoutW00 [402], SchildW00 [404]	abs-2402-00459 [351], LacknerMMWW23 [284], AkramNHRSA23 [7], abs-2211-14492 [429], YunusogluY22 [499], ArmstrongGOS21 [15], GodetLHS20 [189], TranPZLDB18 [455], Madi-WambaLOBM17 [320], DoulabiRP16 [145], KoschB14 [264], DoulabiRP14 [144], LimtanyakulS12 [298], EdisO11 [146], HermenierDL11 [228], BeldiceanuCDP11 [65], KovacsB08 [266], HentenryckM08 [227], Simonis07 [424], DavenportKRSH07 [127], BeldiceanuC94 [63], AggounB93 [5]
Constraints	circuit	MontemanniD23a [337], KlankeBYE21 [259], Mercier-AubinGQ20 [332], MokhtarzadehTNF20 [334], RuggieroBBMA09 [398], Rodriguez07 [396], RodriguezDG02 [395], GruianK98 [203], Wallace96 [482], BeldiceanuC94 [63]	WessenCS20 [488], AntuoriHHEN20 [12], TranB12 [453], KrogtLPHJ07 [465], KuchcinskiW03 [277], DincbasSH90 [142]	PrataAN23 [386], IsikYA23 [240], MontemanniD23 [338], JungblutK22 [243], FarsiTM22 [158], ColT22 [121], MullerMKP22 [342], KoehlerBFFHPSSS21 [261], ArmstrongGOS21 [15], WallaceY20 [483], GroleazNS20 [202], EscobetPQPRA19 [151], TangLWSK18 [435], Hooker17 [235], HechingH16 [216], Bonfietti16 [87], BridiBLMB16 [101], MelgarejoLS15 [6], MurphyMB15 [344], BajestaniB15 [30], HoundjiSWD14 [237], BonfiettiLBM14 [90], CireCH13 [115], SchuttFS13a [406], BajestaniB13 [29], LombardiM12 [309], BeniniLMR11 [73], SchuttFSW11 [410], BajestaniB11 [28]... (Total: 42)

Table 12: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	cumulative	PovedaAA23 [383], TardivoDFMP23 [436], NaderiRR23 [347], AalianPG23 [1], KameugneFND23 [249], IsikYA23 [240], LacknerMMWW23 [284], FetgoD22 [160], PohlAK22 [379], OuelletQ22 [365], ZhangJZL22 [506], LuoB22 [318], BoudreaultSLQ22 [98], LacknerMMWW21 [283], HanenKP21 [210], KovacsTKSG21 [272], SacramentoSP20 [399], Polo-MejiaALB20 [380], Mercier-AubinGQ20 [332], WallaceY20 [483], GodetLHS20 [189], GroleazNS20a [201], GroleazNS20 [202], YangSS19 [496], abs-1911-04766 [179], Novas19 [356], MalapertN19 [322], GeibingerMM19 [180], LaborieRSV18 [282]... (Total: 126)	PrataAN23 [386], abs-2402-00459 [351], EfthymiouY23 [147], abs-2312-13682 [374], PerezGSL23 [373], ColT22 [121], YunusogluY22 [499], CampeauG22 [106], GeitzGSSW22 [182], AbreuN22 [129], HubnerGSV21 [238], HillTV21 [229], KlankeBYE21 [259], NattafM20 [350], GalleguillosKSB19 [169], NishikawaSTT19 [354], BorghesiBLMB18 [96], GedikKEK18 [177], TranVNB17a [458], BoothNB16 [95], BonfiettiZLM16 [94], LimHTB16 [295], Bonfietti16 [87], GayHLS15 [173], BurtLPS15 [104], ThiruvadyWGS14 [446], GuSS13 [204], BonfiettiLM13 [91], LimtanyakulS12 [298]... (Total: 44)	GurPAE23 [206], TasselGS23 [437], abs-2306-05747 [438], abs-2305-19888 [224], Bit-Monnot23 [79], YuraszeckMCCR23 [502], JuvinHHL23 [244], HeinzNVH22 [223], PopovicCGNC22 [381], abs-2211-14492 [429], SubulanC22 [428], HebrardALLCMR22 [213], ArmstrongGOS22 [16], PandeyS21a [368], KoehlerBFFHPSSS21 [261], GeibingerMM21 [181], ArmstrongGOS21 [15], ZouZ20 [517], abs-1902-09244 [211], FrimodigS19 [166], WikarekS19 [489], YounespourAKE19 [497], Laborie18a [281], AstrandJZ18 [24], ZhangW18 [509], Ham18 [208], ArbaouiY18 [14], DemirovicS18 [136], CappartS17 [107]... (Total: 87)
Constraints	cycle	AalianPG23 [1], AstrandOF21 [23], AntuoriHHEN21 [13], AbohashimaEG21 [2], GroleazNS20a [201], AntuoriHHEN20 [12], WallaceY20 [483], AstrandJZ20 [25], ParkUJR19 [371], BorghesiBLMB18 [96], AstrandJZ18 [24], BridiBLMB16 [101], BonfiettiLBM14 [90], BessiereHMqw14 [76], BegB13 [60], LombardiBMB11 [304], SunLYL10 [430], BocewiczBB09 [83], RuggieroBBMA09 [398], MalikMB08 [324], RossiTHP07 [397], WolinskiKG04 [493], KuchcinskiW03 [277], Kumar03 [278], ArtiguesR00 [20], SchildW00 [404], KorbaaYG99 [262], GruianK98 [203], RodosekW98 [394]... (Total: 31)	EfthymiouY23 [147], CampeauG22 [106], KoehlerBFFHPSSS21 [261], HillTV21 [229], HubnerGSV21 [238], GroleazNS20 [202], MossigeGSMC17 [339], SimoninAHL15 [422], PraletLJ15 [385], BurtLPS15 [104], SchuttFSW13 [411], TranTDB13 [456], SimoninAHL12 [421], BonfiettiLBM12 [89], HachemiGR11 [207], KovacsB11 [267], BonfiettiLBM11 [88], Vilim11 [475], abs-1009-0347 [409], KovacsB08 [266], Simonis07 [424], LiuJ06 [302], BeniniBGM06 [72], KhemmoudjPB06 [257], OddiPCC03 [362], Wallace96 [482]	Bit-Monnot23 [79], AkramNHRSA23 [7], BourreauGGLT22 [99], AbreuN22 [129], ZhangBB22 [507], HamPK21 [209], ArmstrongGOS21 [15], AbreuAPNM21 [128], FanXG21 [157], FallahiAC20 [156], TangB20 [434], Mercier-AubinGQ20 [332], QinDCS20 [389], BadicaBI20 [26], MokhtarzadehTNF20 [334], Novas19 [356], BadicaBIL19 [27], abs-1902-09244 [211], KucukY19 [279], EscobetPQPRA19 [151], TangLWSK18 [435], MusliuSS18 [346], LaborieRSV18 [282], Ham18 [208], KreterSS17 [274], Pralet17 [384], DoulabiRP16 [145], BonfiettiZLM16 [94], TranDRFWOV16 [454]... (Total: 69)
Constraints	diffn	ArmstrongGOS21 [15], Simonis07 [424], BeldiceanuC94 [63]	BeldiceanuCDP11 [65]	LuoB22 [318], BourreauGGLT22 [99], KreterSS17 [274], KreterSS15 [273], TrojetHL11 [460], Timpe02 [447], GruianK98 [203], SimonisC95 [425], Simonis95 [423]
Constraints	disjunctive	JuvinHHL23 [244], NaderiRR23 [347], Bit-Monnot23 [79], YuraszeckMPV22 [501], BourreauGGLT22 [99], ZhangBB22 [507], KoehlerBFFHPSSS21 [261], GodetLHS20 [189], LaborieRSV18 [282], FahimiOQ18 [154], GokgurHO18 [191], NattafAL17 [349], Pralet17 [384], MossigeGSMC17 [339], FontaineMH16 [162], GoelSHFS15 [190], GayHS15a [175], MelgarejoLS15 [6], SialaAH15 [420], SchuttFS13 [407], OzturkTHO13 [367], SchuttFS13a [406], LombardiM12 [309], BeldiceanuCDP11 [65], SchuttFSW11 [410], LopesCSM10 [311], SchuttW10 [413], GrimesH10 [196], BartakSR10 [43]... (Total: 53)	BoudreaultSLQ22 [98], AstrandOF21 [23], GeibingerMM21 [181], SacramentoSP20 [399], AstrandJZ20 [25], MejiaY20 [329], Polo-MejiaALB20 [380], YangSS19 [496], DemirovicS18 [136], KameugneFGOQ18 [248], SimoninAHL15 [422], EvenSH15 [152], EvenSH15a [153], GayHS15 [174], VilimLS15 [478], LipovetzkyBPS14 [299], KameugneFSN14 [251], GaySS14 [176], KelbelH11 [254], HeinzS11 [221], GrimesH11 [197], LiessM08 [293], MouraSCL08a [340], MouraSCL08 [341], MonetteDD07 [335], ArtiouchineB05 [21], BeckR03 [55], SchildW00 [404], ArtiguesR00 [20]... (Total: 31)	abs-2402-00459 [351], LacknerMMWW23 [284], TardivoDFMP23 [436], abs-2306-05747 [438], KameugneFND23 [249], PovedaAA23 [383], EfthymiouY23 [147], TasselGS23 [437], MullerMKP22 [342], OuelletQ22 [365], ColT22 [121], abs-2211-14492 [429], OujanaAYB22 [366], KlankeBYE21 [259], ZhangYW21 [508], Mercier-AubinGQ20 [332], WallaceY20 [483], KucukY19 [279], abs-1911-04766 [179], WikarekS19 [489], ColT19 [120], AstrandJZ18 [24], OuelletQ18 [364], Ham18 [208], YoungFS17 [498], GoldwasserS17 [192], BoothNB16 [95], GingrasQ16 [186], Tesch16 [443]... (Total: 107)

Table 12: Works for Concepts of Type Constraints

Type	Keyword	High	Medium	Low
Constraints	endBeforeStart	SubulanC22 [428], QinDCS20 [389]	NaderiRR23 [347], IsikYA23 [240], PandeyS21a [368], LunardiBLRV20 [315], MengZRZL20 [331], LaborieRSV18 [282], NovaraNH16 [355], Laborie09 [280]	JuvinHHL23 [244], YuraszeckMCCR23 [502], CzerniachowskaWZ23 [123], LacknerMMWW23 [284], JuvinHL23 [245], AalianPG23 [1], Teppan22 [440], YunusogluY22 [499], CampeauG22 [106], ZhangJZL22 [506], HamPK21 [209], HubnerGSV21 [238], ZhangYW21 [508], LacknerMMWW21 [283], TangB20 [434], ZouZ20 [517], SacramentoSP20 [399], BenediktMH20 [70], Polo-MejiaALB20 [380], MurinR19 [343], abs-1902-09244 [211], ParkUJR19 [371], GeibingerMM19 [180], abs-1911-04766 [179], Novas19 [356], NishikawaSTT18a [353], NishikawaSTT18 [352], Ham18 [208]
Constraints	geost	BeldiceanuCDP11 [65]	LetortBC12 [289], PembertonG98 [372]	BeldiceanuCP08 [66]
Constraints	noOverlap	abs-2305-19888 [224], NaderiRR23 [347], IsikYA23 [240], JuvinHHL23 [244], HeinzNVH22 [223], ColT22 [121], PopovicCGNC22 [381], VlKHT21 [480], LunardiBLRV20 [315], QinDCS20 [389], GedikKEK18 [177], MelgarejoLS15 [6]	KimCMLLP23 [258], abs-2306-05747 [438], LacknerMMWW23 [284], TasselGS23 [437], AbreuN22 [129], YuraszeckMPV22 [501], PohlAK22 [379], SvancaraB22 [432], KlankeBYE21 [259], Bedhief21 [59], BenderWS21 [69], BenediktMH20 [70], MengZRZL20 [331], ZouZ20 [517], SacramentoSP20 [399], YounespourAKE19 [497], MalapertN19 [322], MurinR19 [343], abs-1911-04766 [179], EscobetPQPRA19 [151], Novas19 [356], LaborieRSV18 [282], ZhangW18 [509], ArbaouiY18 [14], Ham18 [208], CohenHB17 [118], TranVNB17 [457], NovaraNH16 [355], BoothNB16 [95]... (Total: 32)	AbreuNP23 [130], JuvinHL23 [245], YuraszeckMC23 [500], AalianPG23 [1], CzerniachowskaWZ23 [123], SquillaciPR23 [427], Teppan22 [440], YunusogluY22 [499], WinterMMW22 [490], CampeauG22 [106], OujanaAYB22 [366], ArmstrongGOS22 [16], TouatBT22 [450], ZhangJZL22 [506], HamPK21 [209], AbreuAPNM21 [128], LacknerMMWW21 [283], GroleazNS20 [202], GroleazNS20a [201], NattafM20 [350], Polo-MejiaALB20 [380], BogaerdtW19 [464], ColT19 [120], GeibingerMM19 [180], KucukY19 [279], ParkUJR19 [371], BenediktSMVH18 [71], CappartS17 [107], HechingH16 [216]... (Total: 32)
Constraints	regular expression		FrimodigS19 [166]	
Constraints	span constraint		CappartS17 [107], SchuttFS13 [407], LombardiM10a [306], Darby-DowmanLMZ97 [125]	OujanaAYB22 [366], ZhangBB22 [507], TangB20 [434], ZouZ20 [517], YounespourAKE19 [497], LaborieRSV18 [282], SimoninAHL15 [422], SimoninAHL12 [421], SchuttFSW11 [410]
Constraints	table constraint	LombardiM10a [306], PapaB98 [370]	JelinekB16 [241]	PerezGSL23 [373], abs-2312-13682 [374], ArmstrongGOS21 [15], GayHS15 [174], PesantRR15 [375], MelgarejoLS15 [6], LimtanyakulS12 [298], BeniniLMR11 [73], BeckFW11 [51], HermenierDL11 [228], LopesCSM10 [311], MouraSCL08 [341], GodardLN05 [187], ElkhyariGJ02 [148]

6.4 Concept Type ProgLanguages

Table 13: Works for Concepts of Type ProgLanguages

Type	Keyword	High	Medium	Low
ProgLanguages	C	KoehlerBFFHPSSS21 [261]		HubnerGSV21 [238], BogaerdtW19 [464], TangLWSK18 [435], LaborieRSV18 [282], HoYCLLC18 [230], LombardiM10a [306], Laborie09 [280], GarridoOS08 [172]
ProgLanguages	C++		BourreauGGLT22 [99]	TardivoDFMP23 [436], JuvinHHL23 [244], PopovicCGNC22 [381], ColT22 [121], AntuoriHHEN21 [13], QinWSLS21 [388], AbreuAPNM21 [128], Polo-MejiaALB20 [380], AstrandJZ20 [25], Mercier-AubinGQ20 [332], abs-1902-01193 [8], LaborieRSV18 [282], ArbaouiY18 [14], TranPZLDB18 [455], NattafAL17 [349], BoothNB16 [95], Tesch16 [443], Bonfietti16 [87], NattafAL15 [348], SchuttFSW13 [411], TranTDB13 [456], GuSW12 [205], TranB12 [453], LombardiBMB11 [304], LahimerLH11 [285], BeckFW11 [51], KovacsK11 [269], KovacsB11 [267], LopesCSM10 [311]... (Total: 50)
ProgLanguages	Java	abs-2102-08778 [119]	KuchcinskiW03 [277]	abs-2306-05747 [438], AlfieriGPS23 [9], TasselGS23 [437], KameugneFND23 [249], MullerMKP22 [342], FetgoD22 [160], ColT22 [121], YuraszcekMPV22 [501], OuelletQ22 [365], Teppan22 [440], FanXG21 [157], AntuoriHHEN21 [13], ArmstrongGOS21 [15], MejiaY20 [329], SacramentoSP20 [399], TangB20 [434], BarzegaranZP20 [46], abs-1911-04766 [179], FrohnerTR19 [167], Tom19 [448], ColT19 [120], GeibingerMM19 [180], OuelletQ18 [364], LaborieRSV18 [282], KameugneFGOQ18 [248], Madi-WambaB16 [319], CauwelaertDMS16 [110], LetortCB15 [291], EvenSH15a [153]... (Total: 46)
ProgLanguages	Julia			HebrardALLCMR22 [213]
ProgLanguages	Lisp			Wallace96 [482]
ProgLanguages	Prolog	ArmstrongGOS21 [15], FalaschiGMP97 [155], Zhou97 [512], LammaMM97 [286], Wallace96 [482], Touraivane95 [451], Simonis95 [423], DincbasSH90 [142]	BadicaBI20 [26], MossigeGSMC17 [339], Madi-WambaLOBM17 [320], MartinPY01 [326], RodosekW98 [394], Zhou96 [511], SimonisC95 [425], BeldiceanuC94 [63], AggounB93 [5]	PopovicCGNC22 [381], ArmstrongGOS22 [16], abs-1902-01193 [8], YangSS19 [496], JelinekB16 [241], LetortCB15 [291], LetortCB13 [290], LetortBC12 [289], TrojetHL11 [460], BeldiceanuCDP11 [65], BartakCS10 [41], AronssonBK09 [17], BeldiceanuCP08 [66], KrogLPHJ07 [465], Simonis07 [424], QuSN06 [390], Geske05 [184], PoderBS04 [378], Bartak02 [39], BeldiceanuC02 [64], KorbaaYG99 [262], BeckF98 [52], Darby-DowmanLMZ97 [125], BrusoniCLMMT96 [103], Goltz95 [194], ErtlK91 [150]
ProgLanguages	Python	KoehlerBFFHPSSS21 [261]	abs-2211-14492 [429], AbreuN22 [129], AbreuAPNM21 [128], LaborieRSV18 [282]	EfthymiouY23 [147], SquillaciPR23 [427], Mehdizadeh-Somarin23 [328], AbreuNP23 [130], KimCMLLP23 [258], MontemanniD23 [338], PovedaAA23 [383], MontemanniD23a [337], AkramNHRSA23 [7], NaderiRR23 [347], FetgoD22 [160], PohlAK22 [379], MullerMKP22 [342], LuoB22 [318], CampeauG22 [106], ZhangBB22 [507], KlankeBYE21 [259], FanXG21 [157], HanenKP21 [210], BenderWS21 [69], AbohashimaEG21 [2], LunardiBLRV20 [315], Mercier-AubinGQ20 [332], FrimodigS19 [166], BehrensLM19 [61], FrohnerTR19 [167], GalleguillosKSB19 [169], abs-1902-01193 [8], abs-1901-07914 [62]... (Total: 35)

6.5 Concept Type CPSystems

Table 14: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	CHIP	TrojetHL11 [460], Simonis07 [424], GruianK98 [203], Wallace96 [482], Simonis95 [423], Goltz95 [194], SimonisC95 [425], BeldiceanuC94 [63], AggounB93 [5], DincbasSH90 [142]	ArmstrongGOS21 [15], YangSS19 [496], LaborieRSV18 [282], Geske05 [184], PoderBS04 [378], Timpe02 [447], RodosekW98 [394], Zhou97 [512], LammaMM97 [286]	PrataAN23 [386], TardivoDFMP23 [436], KameugneFND23 [249], LuoB22 [318], FetgoD22 [160], BourreauGGLT22 [99], PopovicCGNC22 [381], KlankeBYE21 [259], GodetLHS20 [189], abs-1902-01193 [8], BaptisteB18 [32], KameugneFGOQ18 [248], GoldwaserS18 [193], GokgurHO18 [191], MossigeGSMC17 [339], Pralet17 [384], KreterSS17 [274], Madi-WambaB16 [319], FontaineMH16 [162], ZhouGL15 [513], SimoninAHL15 [422], LetortCB15 [291], KreterSS15 [273], GrimesIOS14 [200], KameugneFSN14 [251], DerrienPZ14 [139], ChuGNSW13 [113], SchuttFSW13 [411], OzturkTHO13 [367]... (Total: 55)
CPSystems	CPO	NaderiRR23 [347], LacknerMMWW23 [284], JuvinHHL23 [244], Bit-Monnot23 [79], CzerniachowskaWZ23 [123], WinterMMW22 [490], ColT22 [121], ZhangBB22 [507], LacknerMMWW21 [283], ArmstrongGOS21 [15], NattafM20 [350], GroleazNS20 [202], Polo-MejiaALB20 [380], GroleazNS20a [201], SacramentoSP20 [399], GeibingerMM19 [180], ColT19 [120], MalapertN19 [322], LaborieRSV18 [282], KreterSS17 [274], GoelSHFS15 [190], PraletLJ15 [385], Laborie09 [280]	AalianPG23 [1], abs-1911-04766 [179], NuijtenA94 [360]	JuvinHL23 [245], PovedaAA23 [383], OujanaAYB22 [366], GeibingerMM21 [181], abs-2102-08778 [119], TangB20 [434], Laborie18a [281], Pralet17 [384], VilimLS15 [478], BartakSR10 [43], GarridoAO09 [171], Vilim09 [473], GarridoOS08 [172], BeldiceanuC94 [63]
CPSystems	Choco Solver	TasselGS23 [437], abs-2306-05747 [438], LetortCB15 [291], LetortCB13 [290], OuelletQ13 [363], LetortBC12 [289], GrimesHM09 [199], abs-0907-0939 [376], GarridoAO09 [171], GarridoOS08 [172]	KameugneFND23 [249], MullerMKP22 [342], FetgoD22 [160], AntuoriHHEN21 [13], AntuoriHHEN20 [12], LiuLH19 [300], FahimiOQ18 [154], KameugneFGOQ18 [248], LaborieRSV18 [282], GayHS15 [174], KoschB14 [264], DerrienPZ14 [139], DerrienP14 [138], HermenierDL11 [228], ClercqPBJ11 [116]	BourreauGGLT22 [99], OuelletQ22 [365], GodetLHS20 [189], YangSS19 [496], OuelletQ18 [364], GingrasQ16 [186], Madi-WambaB16 [319], EvenSH15a [153], MurphyMB15 [344], EvenSH15 [152], BessiereHMQW14 [76], BartakSR10 [43], RossiTHP07 [397]
CPSystems	Chuffed	LacknerMMWW23 [284], PovedaAA23 [383], BoudreaultSLQ22 [98], MullerMKP22 [342], LacknerMMWW21 [283], GeibingerMM21 [181], ArmstrongGOS21 [15], KoehlerBFFHPSSS21 [261], WallaceY20 [483], GodetLHS20 [189], abs-1911-04766 [179], YoungFS17 [498], KreterSS17 [274], SzerediS16 [433], KreterSS15 [273]	GoldwaserS18 [193]	SchuttS16 [412]
CPSystems	Claire	BaptisteP00 [35]	BaptisteP97 [34]	HebrardALLCMR22 [213], HanenKP21 [210], PapaB98 [370]

Table 14: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	Cplex	CzerniachowskaWZ23 [123], NaderiRR23 [347], SubulanC22 [428], BourreauGGLT22 [99], MullerMKP22 [342], WinterMMW22 [490], HubnerGSV21 [238], GeibingerKKMMW21 [178], KoehlerBFFHPSSS21 [261], PandeyS21a [368], Bedhief21 [59], HamPK21 [209], QinDCS20 [389], ZouZ20 [517], SacramentoSP20 [399], MejiaY20 [329], LunardiBLRV20 [315], MengZRZL20 [331], MurinR19 [343], GeibingerMM19 [180], abs-1911-04766 [179], NishikawaSTT19 [354], GurEA19 [518], LaborieRSV18 [282], NishikawaSTT18 [352], NishikawaSTT18a [353], KreterSS17 [274], NovaraNH16 [355], KoschB14 [264]... (Total: 36)	LacknerMMWW23 [284], MehdiZadeh-Somarin23 [328], AbreuNP23 [130], IsikYA23 [240], CampeauG22 [106], YunusogluY22 [499], LuoB22 [318], ColT22 [121], TouatBT22 [450], LacknerMMWW21 [283], KovacsTKSG21 [272], QinWSLS21 [388], ArmstrongGOS21 [15], MokhtarzadehTNF20 [334], NattafM20 [350], WallaceY20 [483], abs-1902-09244 [211], MalapertN19 [322], Novas19 [356], DoulabiRP16 [145], HechingH16 [216], VilimLS15 [478], BofilIGSV15 [86], NattafAL15 [348], PraletLJ15 [385], BofilEGPSV14 [85], GrimesIOS14 [200], HeinzKB13 [219], HeinzB12 [218]... (Total: 42)	AlfieriGPS23 [9], JuvinHL23 [245], SquillaciPR23 [427], GurPAE23 [206], PovedaAA23 [383], YuraszeckMCCR23 [502], AalianPG23 [1], FarsiTM22 [158], abs-2211-14492 [429], YuraszeckMPV22 [501], PohlAK22 [379], PopovicCGNC22 [381], AbreuN22 [129], ZhangYW21 [508], abs-2102-08778 [119], GeibingerMM21 [181], FanXG21 [157], VlkHT21 [480], KlankeBYE21 [259], AbreuAPNM21 [128], TangB20 [434], Polo-MejiaALB20 [380], GroleazNS20a [201], FrimodigS19 [166], BogaerdTW19 [464], EscobetQPRA19 [151], KucukY19 [279], Ham18 [208], PourDERB18 [382]... (Total: 83)
CPSystems	ECLiPSe	BadicaBI20 [26], BadicaBIL19 [27], RodosekW98 [394]	SchuttFSW11 [410], KamarainenS02 [246], Darby-DowmanLMZ97 [125], Wallace96 [482]	FanXG21 [157], MejiaY20 [329], WikarekS19 [489], ZeballosQH10 [505], SchuttFSW09 [408], BeniniBGM06 [72], ChuX05 [114], QuirogaZH05 [391], MartinPY01 [326], LammaMM97 [286]
CPSystems	Gecode	TardivoDFMP23 [436], BadicaBI20 [26], AstrandJJZ20 [25], BadicaBIL19 [27], SzerediS16 [433], ZhouGL15 [513], GayHS15 [174], KameugneFSN14 [251]	MullerMKP22 [342], AntuoriHHEN21 [13], GeibingerKKMMW21 [178], AstrandOF21 [23], FrohnerTR19 [167], abs-1911-04766 [179], GeibingerMM19 [180], LaborieRSV18 [282], BurtLPS15 [104], BofilEGPSV14 [85], KovacsK11 [269], KameugneFSN11 [250], ThiruvadyBME09 [445]	ArmstrongGOS21 [15], WessenCS20 [488], WallaceY20 [483], MengZRZL20 [331], FrimodigS19 [166], YangSS19 [496], MusliuSS18 [346], AstrandJJZ18 [24], GoldwaserS18 [193], GoldwaserS17 [192], PesantRR15 [375], MonetteDD07 [335]
CPSystems	Gurobi	WangB23 [485], NaderiRR23 [347], LacknerMMWW23 [284], WinterMMW22 [490], ZhangBB22 [507], KovacsTKSG21 [272], GeibingerKKMMW21 [178], KoehlerBFFHPSSS21 [261], LacknerMMWW21 [283], WangB20 [484], WallaceY20 [483], FrohnerTR19 [167], MusliuSS18 [346]	VlkHT21 [480], GoldwaserS18 [193], GoldwaserS17 [192], FontaineMH16 [162]	KimCMLLP23 [258], abs-2305-19888 [224], MontemanniD23 [338], HeinzNVH22 [223], PohlAK22 [379], HubnerGSV21 [238], FanXG21 [157], KlankeBYE21 [259], AbohashimaEG21 [2], BenediktMH20 [70], MengZRZL20 [331], He0GLW18 [212], DemirovicS18 [136], BenediktSMVH18 [71], BurtLPS15 [104], PesantRR15 [375]
CPSystems	Ilog Scheduler	GrimesH11 [197], ZeballosQH10 [505]	LaborieRSV18 [282], NovasH12 [358], HeinzB12 [218], LimtanyakulS12 [298], BeckFW11 [51], HeckmanB11 [217], GrimesHM09 [199], WatsonB08 [487], ZeballosH05 [504], BeckR03 [55], NuijtenP98 [361]	Laborie18a [281], SchuttS16 [412], TranWDRFOVB16 [459], NovasH14 [359], TerekhovTDB14 [442], BeniniLMR11 [73], KovacsB11 [267], SchuttFSW11 [410], LahimerLH11 [285], HachemiGR11 [207], LopesCSM10 [311], abs-1009-0347 [409], NovasH10 [357], Vilim09a [474], RuggieroBBMA09 [398], BidotVLB09 [77], KovacsB08 [266], MouraSCL08a [340], MouraSCL08 [341], HoeveGSL07 [466], Rodriguez07 [396], Simonis07 [424], Beck07 [49], BeckW07 [58], KovacsV06 [271], Hooker06 [234], WuBB05 [494], ArtiouchineB05 [21], QuirogaZH05 [391]... (Total: 41)
CPSystems	Ilog Solver		GrimesH11 [197], ZeballosQH10 [505]	abs-1902-01193 [8], LaborieRSV18 [282], ZarandiKS16 [503], PesantRR15 [375], BonfiettiLBM14 [90], NovasH14 [359], OzturkTHO13 [367], BonfiettiLBM12 [89], NovasH12 [358], HeinzB12 [218], LombardiM12a [308], KelbelH11 [254], BonfiettiLBM11 [88], KovacsK11 [269], KovacsB11 [267], TopalogluO11 [449], BajestaniB11 [28], LombardiM10 [307], abs-1009-0347 [409], LopesCSM10 [311], LombardiM09 [305], RuggieroBBMA09 [398], MouraSCL08a [340], MouraSCL08 [341], KovacsB08 [266], Rodriguez07 [396], KovacsB07 [265], GomesHS06 [195], BeniniBGM06 [72]... (Total: 45)

Table 14: Works for Concepts of Type CPSystems

Type	Keyword	High	Medium	Low
CPSystems	MiniZinc	LacknerMMWW23 [284], TardivoDFMP23 [436], ColT22 [121], BoudreaultSLQ22 [98], MullerMKP22 [342], JungblutK22 [243], ArmstrongGOS21 [15], KoehlerBFFHPSSS21 [261], LacknerMMWW21 [283], Mercier-AubinGQ20 [332], WallaceY20 [483], abs-1911-04766 [179], ColT19 [120], FrohnerTR19 [167], GeibingerMM19 [180], YoungFS17 [498], LiuCGM17 [301], SzerediS16 [433], BofillEGPSV14 [85], KelarevaTK13 [253]	PovedaAA23 [383], MusliuSS18 [346], KreterSS17 [274], KreterSS15 [273]	Bit-Monnot23 [79], OuelletQ22 [365], GeibingerKKMMW21 [178], abs-2102-08778 [119], abs-1901-07914 [62], FrimodigS19 [166], BehrensLM19 [61], DemirovicS18 [136], TranVNB17 [457], FontaineMH16 [162], SchuttS16 [412], BurtLPS15 [104], HeinzSB13 [222], SchuttFS13 [407]
CPSystems	Mistral	JuvinHHL23 [244], GrimesHM09 [199]	Bit-Monnot23 [79], BillautHL12 [78]	SialaAH15 [420]
CPSystems	OPL	LacknerMMWW23 [284], YunusogluY22 [499], MullerMKP22 [342], TouatBT22 [450], ColT22 [121], LacknerMMWW21 [283], PandeyS21a [368], KoehlerBFFHPSSS21 [261], QinDCS20 [389], Novas19 [356], EscobetPQPRA19 [151], TangLWSK18 [435], LaborieRSV18 [282], NovaraNH16 [355], AlesioNBG14 [140], NovasH12 [358], HachemiGR11 [207], ZeballosQH10 [505], Laborie09 [280], KhayatLR06 [256], AggounB93 [5]	SubulanC22 [428], Teppan22 [440], Mercier-AubinGQ20 [332], ZouZ20 [517], MurinR19 [343], Laborie18a [281], LimBTBB15 [296], WangMD15 [486], EvenSH15a [153], NovasH14 [359], OzturkTHO13 [367], SerraNM12 [415], HeinzB12 [218], TopalogluO11 [449], EdisO11 [146], KelbelH11 [254], ZibranR11a [516], NovasH10 [357], Simonis07 [424], GarganiR07 [170], KrogTLPJ07 [465], Hooker06 [234], ZeballosH05 [504], QuirogaZH05 [391], Hooker05a [233], LorigeonBB02 [313], VerfaillieL01 [468], RodosekW98 [394]	abs-2402-00459 [351], GurPAE23 [206], CzerniachowskaWZ23 [123], MontemanniD23 [338], IsikYA23 [240], EfthymiouY23 [147], YuraszeckMCCR23 [502], PerezGSL23 [373], AbreuNP23 [130], abs-2312-13682 [374], GeitzGSSW22 [182], ArmstrongGOS22 [16], BoudreaultSLQ22 [98], OujanaAYB22 [366], LiFJZLL22 [292], ZhangBB22 [507], VlKHT21 [480], Bedhief21 [59], HamPK21 [209], QinWSLS21 [388], abs-2102-08778 [119], BoudreaultSLQ22 [98], WallaceY20 [483], MengZRZL20 [331], BogaerdtW19 [464], YounespourAKE19 [497], abs-1902-09244 [211], Tom19 [448], YangSS19 [496]... (Total: 76)
CPSystems	OR-Tools	abs-2402-00459 [351], LacknerMMWW23 [284], abs-2211-14492 [429], ColT22 [121], MullerMKP22 [342], abs-2102-08778 [119], KovacsTKSG21 [272], LacknerMMWW21 [283], KoehlerBFFHPSSS21 [261], FallahiAC20 [156], ColT19 [120], GayHS15 [174]	EfthymiouY23 [147], BoudreaultSLQ22 [98], GeibingerKKMMW21 [178], BarzegaranZP20 [46], LiuCGM17 [301]	Bit-Monnot23 [79], KimCMLLP23 [258], MontemanniD23 [338], AkramNHRSA23 [7], MontemanniD23a [337], Teppan22 [440], KlankeBYE21 [259], MengZRZL20 [331], GroleazNS20 [202], GalleguillosKSB19 [169], BehrensLM19 [61], abs-1901-07914 [62], YangSS19 [496], PourDERB18 [382], BonfiettiZLM16 [94], ZhouGL15 [513], LombardiM12 [309]
CPSystems	OZ	PrataAN23 [386], NaderiRR23 [347], CzerniachowskaWZ23 [123], IsikYA23 [240], YunusogluY22 [499], WikarekS19 [489], GokgurHO18 [191], CohenHB17 [118], TopalogluO11 [449], NovasH10 [357], RuggieroBBMA09 [398], VanczaM01 [467], SchildW00 [404], BeldiceanuC94 [63]	GeitzGSSW22 [182], BourreauGGLT22 [99], AbreuN22 [129], SubulanC22 [428], PohlAK22 [379], FanXG21 [157], GodetLHS20 [189], AstrandJZ20 [25], WessenCS20 [488], abs-1901-07914 [62], LiuLH19 [300], Novas19 [356], BehrensLM19 [61], Hooker17 [235], BridiBLMB16 [101], HebrardHJMPV16 [214], BajestaniB13 [29], EdisO11 [146], GrimesH11 [197], ZeballosQH10 [505], BocewiczBB09 [83], LiessM08 [293], SureshMOK06 [431], BeniniBGM06 [72], GodardLN05 [187], MaraveliasG04 [325]	Mehdizadeh-Somarin23 [328], GurPAE23 [206], MullerMKP22 [342], CampeauG22 [106], HebrardALLCMR22 [213], ZhangJZL22 [506], ArmstrongGOS22 [16], FetgoD22 [160], TouatBT22 [450], abs-2211-14492 [429], LiFJZLL22 [292], PopovicCGNC22 [381], AbreuAPNM21 [128], ArmstrongGOS21 [15], Bedhief21 [59], LacknerMMWW21 [283], QinWSLS21 [388], PandeyS21a [368], WangB20 [484], SacramentoSP20 [399], FallahiAC20 [156], abs-1911-04766 [179], GurEA19 [518], Tom19 [448], abs-1902-09244 [211], FrimodigS19 [166], NishikawaSTT19 [354], GalleguillosKSB19 [169], ArbaouiY18 [14]... (Total: 80)
CPSystems	SICStus	ArmstrongGOS21 [15], LetortCB15 [291], LetortCB13 [290], LetortBC12 [289]	MossigeGSMC17 [339], SchuttFSW11 [410], QuSN06 [390]	ArmstrongGOS22 [16], PopovicCGNC22 [381], YangSS19 [496], Madi-WambaLOBM17 [320], JelinekB16 [241], BeldiceanuCDP11 [65], TrojetHL11 [460], BartakCS10 [41], SchuttFSW09 [408], BeldiceanuCP08 [66], Geske05 [184], Bartak02 [39], BeldiceanuC02 [64]
CPSystems	Z3	KoehlerBFFHPSSS21 [261], YounespourAKE19 [497], SureshMOK06 [431]	NaderiRR23 [347], VlKHT21 [480], WikarekS19 [489], Zhou97 [512]	ZhangW18 [509], BofillCSV17 [84], BertholdHLMS10 [75], Rodriguez07 [396], Zhou96 [511]

6.6 Concept Type ApplicationAreas

Table 15: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	COVID		GeibingerKKMMW21 [178]	Mehdizadeh-Somarin23 [328], GurPAE23 [206], OujanaAYB22 [366]
ApplicationAreas	HVAC	LimHTB16 [295], LimBTBB15 [296], GrimesIOS14 [200]		
ApplicationAreas	agriculture			AkramNHRSA23 [7], BenderWS21 [69], HamPK21 [209], QinWSLS21 [388], Astrand0F21 [23], MejiaY20 [329]
ApplicationAreas	aircraft	PohlAK22 [379], WangB20 [484], TranDRFWOV16 [454], BajestaniB13 [29], LombardiM12 [309], BajestaniB11 [28], FrankK05 [164], ArtiouchineB05 [21]	WangB23 [485], Ham18 [208], Simonis07 [424], SakkoutW00 [402]	PrataAN23 [386], PovedaAA23 [383], abs-1902-09244 [211], LaborieRSV18 [282], Laborie09 [280], KovacsB08 [266], KrogdLPHJ07 [465], MartinPY01 [326], GruianK98 [203], Darby-DowmanLMZ97 [125], Wallace96 [482], Simonis95 [423], SimonisC95 [425]
ApplicationAreas	automotive		YuraszeckMPV22 [501], LimtanyakulS12 [298], SunLYL10 [430], BarlattCG08 [37], SchildW00 [404]	PovedaAA23 [383], NaderiRR23 [347], CzerniachowskaWZ23 [123], AntuoriHHEN21 [13], HubnerGSV21 [238], AbreuAPNM21 [128], KoehlerBFFHPSSS21 [261], VlkHT21 [480], BarzegaranZP20 [46], GeibingerMM19 [180], abs-1911-04766 [179], BonfiettiZLM16 [94], AlesioNBG14 [140], BeniniBGM06 [72], KovacsV06 [271], Wallace96 [482]
ApplicationAreas	cable tree	KoehlerBFFHPSSS21 [261]		
ApplicationAreas	car manufacturing		AntuoriHHEN21 [13]	BeldiceanuC94 [63]
ApplicationAreas	container terminal	QinDCS20 [389], SacramentoSP20 [399]	LaborieRSV18 [282]	abs-2312-13682 [374], PerezGSL23 [373], TouatBT22 [450], WallaceY20 [483], FallahiAC20 [156], CauwelaertDMS16 [110], DejemeppeCS15 [133], NovashH12 [358], LimRX04 [294]
ApplicationAreas	crew-scheduling	PourDERB18 [382]	BourreauGGLT22 [99], Mason01 [327], Touraivane95 [451]	NaderiRR23 [347], WangB23 [485], HeinzNVH22 [223], MokhtarzadehTNF20 [334], TangLWSK18 [435], DoulabiRP16 [145], LipovetzkyBPS14 [299], HachemiGR11 [207], BeldiceanuC02 [64]
ApplicationAreas	dairies			Bartak02 [39], Bartak02a [38]
ApplicationAreas	dairy	EscobetPQPRA19 [151]	PrataAN23 [386]	
ApplicationAreas	datacenter	HermenierDL11 [228]		GalleguillosKSB19 [169], Madi-WambaLOBM17 [320], IfrimOS12 [239], LetortBC12 [289]
ApplicationAreas	datacentre			
ApplicationAreas	day-ahead market			
ApplicationAreas	deep space			HebrardALLCMR22 [213]
ApplicationAreas	drone	MontemanniD23a [337], MontemanniD23 [338], Ham18 [208]		ShaikhK23 [416], Astrand0F21 [23], AntuoriHHEN21 [13]
ApplicationAreas	earth observation	SquillaciPR23 [427], KucukY19 [279], VerfaillieL01 [468]	BensanaLV99 [74]	HebrardHJMPV16 [214], PraletLJ15 [385], SimoninAHL15 [422], KelarevaTK13 [253], OddiPCC03 [362]
ApplicationAreas	earth orbit			SquillaciPR23 [427]
ApplicationAreas	electroplating		RodosekW98 [394]	EfthymiouY23 [147], WallaceY20 [483], NovashH12 [358]
ApplicationAreas	emergency service		EvenSH15a [153], TopalogluO11 [449]	EvenSH15 [152], SakkoutW00 [402]
ApplicationAreas	energy-price	GrimesIOS14 [200], IfrimOS12 [239]		PrataAN23 [386], EscobetPQPRA19 [151], BenediktSMVH18 [71], He0GLW18 [212], LimHTB16 [295]
ApplicationAreas	farming			WinterMMW22 [490], Astrand0F21 [23]
ApplicationAreas	forestry	HachemiGR11 [207]		Astrand0F21 [23]
ApplicationAreas	hoist	EfthymiouY23 [147], WallaceY20 [483], RodosekW98 [394]	NovashH12 [358], BonfiettiLBM11 [88]	AstrandJZ18 [24], BonfiettiLBM14 [90], BonfiettiM12 [93], BonfiettiLBM12 [89], LombardiBMB11 [304], BeckR03 [55], KorbaaYG99 [262], PapaB98 [370]

Table 15: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	medical	ShinBBHO18 [418], WangMD15 [486], TopalogluO11 [449]	HechingH16 [216], DejemeppeD14 [134], RendlPHPR12 [392]	ShaikhK23 [416], AbreuNP23 [130], AkramNHRSA23 [7], IsikYA23 [240], FarsiTM22 [158], YunusogluY22 [499], AbreuN22 [129], GeibingerKKMMW21 [178], AbreuAPNM21 [128], Bedhief21 [59], FallahiAC20 [156], abs-1902-01193 [8], FrimodigS19 [166], Novas19 [356], GurEA19 [518], YounespourAKE19 [497], HoYCLLC18 [230], GedikKEK18 [177], TranVNB17 [457], TranVNB17a [458], DoulabiRP16 [145], BridiBLMB16 [101], BoothNB16 [95], BonfiettiLBM14 [90], DoulabiRP14 [144], Simonis07 [424]
ApplicationAreas	nurse	GurPAE23 [206], FarsiTM22 [158], abs-1902-01193 [8], HoYCLLC18 [230], ShinBBHO18 [418], LuoVLBM16 [317], WangMD15 [486], RendlPHPR12 [392], Simonis07 [424], Mason01 [327]	OuelletQ22 [365], GeibingerKKMMW21 [178], GeibingerMM21 [181], YounespourAKE19 [497], FrohnerTR19 [167]	PerezGSL23 [373], abs-2312-13682 [374], BourreauGGLT22 [99], FallahiAC20 [156], FrimodigS19 [166], GedikKEK18 [177], NishikawaSTT18a [353], MusliuSS18 [346], DoulabiRP16 [145], DoulabiRP14 [144], TopalogluO11 [449]
ApplicationAreas	offshore		SubulanC22 [428]	BoudreaultSLQ22 [98]
ApplicationAreas	operating room	GurPAE23 [206], NaderiRR23 [347], FarsiTM22 [158], YounespourAKE19 [497], GurEA19 [518], DoulabiRP16 [145], WangMD15 [486], DoulabiRP14 [144]		PerezGSL23 [373], abs-2312-13682 [374], WangB23 [485], GeibingerMM21 [181], MusliuSS18 [346]
ApplicationAreas	oven scheduling	LacknerMMWW23 [284], LacknerMMWW21 [283]		ColT22 [121]
ApplicationAreas	patient	GurPAE23 [206], FarsiTM22 [158], GurEA19 [518], FrimodigS19 [166], YounespourAKE19 [497], ShinBBHO18 [418], HechingH16 [216], DoulabiRP16 [145], WangMD15 [486], DejemeppeD14 [134], RendlPHPR12 [392], TopalogluO11 [449]	GeibingerKKMMW21 [178]	AlferiGPS23 [9], AbreuAPNM21 [128], MurinR19 [343], HoYCLLC18 [230], DoulabiRP14 [144], Simonis07 [424]
ApplicationAreas	perfect-square	BeldiceanuCDP11 [65], BeldiceanuCP08 [66], AggounB93 [5]		
ApplicationAreas	physician	GeibingerKKMMW21 [178], ShinBBHO18 [418]		GurPAE23 [206], FarsiTM22 [158], FrimodigS19 [166], WangMD15 [486], TopalogluO11 [449]
ApplicationAreas	pipeline	BegB13 [60], LopesCSM10 [311], RuggieroBBMA09 [398], MouraSCL08 [341], MouraSCL08a [340], ErtlK91 [150]	ZouZ20 [517], TangLWSK18 [435], MalikMB08 [324], BeniniBGM06 [72], WolinskiKG04 [493], BeldiceanuC94 [63]	EfthymiouY23 [147], PopovicCGNC22 [381], HanenKP21 [210], NishikawaSTT19 [354], NishikawaSTT18 [352], NishikawaSTT18a [353], LaborieRSV18 [282], Bonfietti16 [87], GilesH16 [185], GoelSHFS15 [190], SimoninAHL15 [422], BonfiettiLBM14 [90], BeniniLMR11 [73], NovasH10 [357], BarlattCG08 [37], KuchcinskiW03 [277], Wolf03 [491], GruianK98 [203], Darby-DowmanLMZ97 [125], SimonisC95 [425]
ApplicationAreas	radiation therapy	FrimodigS19 [166]		
ApplicationAreas	railway	SvancaraB22 [432], PourDERB18 [382], CappartS17 [107], Acuna-AgostMFG09 [4], AronssonBK09 [17], Rodriguez07 [396], Geske05 [184], RodriguezDG02 [395], MartinPY01 [326], LammaMM97 [286]	LaborieRSV18 [282], TangLWSK18 [435], Mason01 [327], BrusoniCLMMT96 [103]	LuoB22 [318], BogaerdtW19 [464], ZhouGL15 [513], BajestaniB15 [30], BajestaniB13 [29], BajestaniB11 [28], AbrilSB05 [3], Wallace96 [482]
ApplicationAreas	real-time pricing		He0GLW18 [212], GrimesIOS14 [200]	LimHTB16 [295]
ApplicationAreas	rectangle-packing	YangSS19 [496], AggounB93 [5]	LuoB22 [318]	MossigeGSMC17 [339], DoulabiRP16 [145], VilimLS15 [478], BeldiceanuCDP11 [65], SchuttW10 [413], BeldiceanuCP08 [66]

Table 15: Works for Concepts of Type ApplicationAreas

Type	Keyword	High	Medium	Low
ApplicationAreas	robot	IsikYA23 [240], LiFJZLL22 [292], ArmstrongGOS21 [15], KoehlerBFFHPSSS21 [261], WessenCS20 [488], MokhtarzadehTNF20 [334], MurinR19 [343], abs-1901-07914 [62], BehrensLM19 [61], LaborieRSV18 [282], MossigeGSMC17 [339], TranVNB17 [457], TranVNB17a [458], BoothNB16 [95], NovasH14 [359], NovasH12 [358], BartakSR10 [43], BidotVLB09 [77], ValleMGTO3 [462], BeckF98 [52]	PrataAN23 [386], Mehdizadeh-Somarin23 [328], CzerniachowskaWZ23 [123], TouatBT22 [450], YunusogluY22 [499], OujanaAYB22 [366], AstrandOF21 [23], WallaceY20 [483], WikarekS19 [489], NishikawaSTT19 [354], NishikawaSTT18a [353], NishikawaSTT18 [352], VanczaM01 [467], BeckF00 [53]	abs-2305-19888 [224], MontemanniD23 [338], HeinzNVH22 [223], FarsiTM22 [158], GeitzGSSW22 [182], MullerMKP22 [342], ColT22 [121], YuraszeckMPV22 [501], HamPK21 [209], ZhangYW21 [508], VlKHT21 [480], Bedhief21 [59], FallahiAC20 [156], MengZRZL20 [331], BenediktMH20 [70], MejiaY20 [329], AstrandJZ20 [25], BarzegaranZP20 [46], Novas19 [356], GokgurHO18 [191], Ham18 [208], ZhangW18 [509], AstrandJZ18 [24], ZarandiKS16 [503], DoulabiRP16 [145], TranWDRFOVB16 [459], SimoninAHL15 [422], BajestaniB15 [30], BonfiettiLBM14 [90]... (Total: 48)
ApplicationAreas	satellite	SquillaciPR23 [427], GodetLHS20 [189], KucukY19 [279], LaborieRSV18 [282], HebrardHJMPV16 [214], PraletLJ15 [385], KelarevaTK13 [253], VerfaillieL01 [468], BensanaLV99 [74], PembertonG98 [372]	Laborie09 [280], FrankK05 [164]	EfthymiouY23 [147], TouatBT22 [450], AstrandOF21 [23], Pralet17 [384], TranVNB17 [457], TranWDRFOVB16 [459], SimoninAHL15 [422], BessiereHMqw14 [76], HeinzSB13 [222], SimoninAHL12 [421], RuggieroBBMA09 [398], Rodriguez07 [396], OddiPCC03 [362], NuijtenP98 [361]
ApplicationAreas	semiconductor	MalapertN19 [322], BajestaniB15 [30], NovasH12 [358]	QinWSLS21 [388], GokgurHO18 [191], Davenport10 [126], KrogtLPHJ07 [465]	LacknerMMWW23 [284], YuraszeckMPV22 [501], abs-2211-14492 [429], MullerMKP22 [342], ColT22 [121], ZhangJZL22 [506], FanXG21 [157], LacknerMMWW21 [283], HamPK21 [209], PandeyS21a [368], MengZRZL20 [331], NattafM20 [350], TangB20 [434], Novas19 [356], LaborieRSV18 [282], Ham18 [208], KoschB14 [264], TerekhovTDB14 [442]
ApplicationAreas	ship building			
ApplicationAreas	shipping line			QinDCS20 [389], LaborieRSV18 [282], KelarevaTK13 [253]
ApplicationAreas	steel cable			AalianPG23 [1]
ApplicationAreas	steel mill	GaySS14 [176], HeinzSSW12 [220], SchausHMCMD11 [403], HentenryckM08 [227], GarganiR07 [170]		abs-2312-13682 [374], PerezGSL23 [373], DoulabiRP16 [145]
ApplicationAreas	super-computer	BorghesiBLMB18 [96], BridiBLMB16 [101], BartoliniBBLM14 [45]		LuoB22 [318], GalleguillosKSB19 [169]
ApplicationAreas	surgery	GurPAE23 [206], FarsiTM22 [158], GurEA19 [518], YounespourAKE19 [497], DoulabiRP16 [145], WangMD15 [486], DoulabiRP14 [144]	TopalogluO11 [449]	AlferiGPS23 [9], FrimodigS19 [166]
ApplicationAreas	torpedo	GoldwaserS18 [193], KletzanderM17 [260], GoldwaserS17 [192]	AntuoriHHEN20 [12]	
ApplicationAreas	vaccine			
ApplicationAreas	yard crane		QinDCS20 [389]	WallaceY20 [483]

6.7 Concept Type Industries

Table 16: Works for Concepts of Type Industries

Type	Keyword	High	Medium	Low
Industries	aerospace industry			SchildW00 [404]
Industries	agricultural industry	WinterMMW22 [490]		
Industries	automotive industry		LimtanyakulS12 [298]	CzerniachowskaWZ23 [123], AntuoriHHEN21 [13], BonfiettiZLM16 [94], SchildW00 [404], Wallace96 [482]
Industries	chemical industry		Timpe02 [447]	LaborieRSV18 [282], GilesH16 [185], LombardiM12 [309], PoderBS04 [378]
Industries	chemical processing industry			GilesH16 [185]
Industries	control system industry			BonfiettiZLM16 [94]
Industries	electricity industry			PopovicCGNC22 [381]
Industries	electronics industry			LacknerMMWW23 [284], LacknerMMWW21 [283]
Industries	food industry			OujanaAYB22 [366], GroleazNS20a [201], GroleazNS20 [202], EscobetPQPRA19 [151], HachemiGR11 [207], SimonisC95 [425], Simonis95 [423]
Industries	food-processing industry			KlankeBYE21 [259], abs-1902-09244 [211]
Industries	manufacturing industry			PrataAN23 [386], CzerniachowskaWZ23 [123], LacknerMMWW23 [284], WinterMMW22 [490], YuraszeckMPV22 [501], FanXG21 [157], LacknerMMWW21 [283], Mercier-AubinGQ20 [332], TangB20 [434], EscobetPQPRA19 [151], GedikKEK18 [177]
Industries	mineral industry			Astrand0F21 [23], AstrandJZ20 [25]
Industries	mining industry		AalianPG23 [1]	abs-2402-00459 [351], CampeauG22 [106], Astrand0F21 [23], AstrandJZ20 [25], ThiruvadyWGS14 [446]
Industries	oil industry			AbreuNP23 [130], AbreuAPNM21 [128], LopesCSM10 [311]
Industries	packaging industry			ArmstrongGOS21 [15]
Industries	petro-chemical industry			LaborieRSV18 [282], GilesH16 [185]
Industries	pharmaceutical industry			YuraszeckMCCR23 [502], CzerniachowskaWZ23 [123], GeibingerKKMMW21 [178], NovaraNH16 [355]
Industries	potash industry			Astrand0F21 [23], AstrandJZ20 [25], AstrandJZ18 [24]
Industries	power industry			FrostD98 [168]
Industries	process industry		Timpe02 [447]	HeinzSSW12 [220], Wallace96 [482]
Industries	retail industry			ChapadosJR11 [112]
Industries	services industry			DoomsH08 [143]
Industries	ship repair industry			BoudreaultSLQ22 [98]
Industries	steel industry		DavenportKRSH07 [127]	LacknerMMWW23 [284], KimCMLLP23 [258], IsikYA23 [240], OujanaAYB22 [366], LacknerMMWW21 [283], abs-1902-09244 [211], GoldwaserS18 [193], KletzanderM17 [260], GoldwaserS17 [192], HeinzSSW12 [220], SchausHMCMD11 [403], GrimesH10 [196], GarganiR07 [170]
Industries	steel making industry			
Industries	textile industry	Mercier-AubinGQ20 [332]		BessiereHMQW14 [76]
Industries	tourism industry			LiuCGM17 [301]

6.8 Concept Type Benchmarks

Table 17: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	CSPLib	SchausHMCMD11 [403], GarganiR07 [170]	LaborieRSV18 [282], MossigeGSMC17 [339], NovaraNH16 [355], HeinzSSW12 [220]	LiuLH19 [300], GelainPRVW17 [183], GaySS14 [176], RendlPHPR12 [392], HentenryckM08 [227]
Benchmarks	RoadeF		LetortCB15 [291], LetortCB13 [290], LetortBC12 [289]	CzerniachowskaWZ23 [123], HanenKP21 [210], Polo-MejiaALB20 [380], MalapertN19 [322], Tesch18 [444], OuelletQ18 [364], Tesch16 [443], Acuna-AgostMFG09 [4]
Benchmarks	benchmark	IsikYA23 [240], TardivoDFMP23 [436], AlfieriGPS23 [9], JuviniHHL23 [244], ShaikhK23 [416], LacknerMMWW23 [284], PovedaAA23 [383], Bit-Monnot23 [79], NaderiRR23 [347], AbreuNP23 [130], TasselGS23 [437], abs-2306-05747 [438], YuraszeckMCCR23 [502], BoudreaultSLQ22 [98], ZhangJZL22 [506], OuelletQ22 [365], abs-2211-14492 [429], ColT22 [121], TouatBT22 [450], AbreuN22 [129], MullerMKP22 [342], LiFJZLL22 [292], WinterMMW22 [490], Teppan22 [440], HamPK21 [209], abs-2102-08778 [119], KoehlerBFFHPSSS21 [261], PandeyS21a [368], LacknerMMWW21 [283]... (Total: 76)	abs-2402-00459 [351], AkramNHRSA23 [7], YuraszeckMC23 [500], MontemanniD23a [337], KameugneFND23 [249], abs-2305-19888 [224], FetgoD22 [160], OujanaAYB22 [366], BourreauGGLT22 [99], HeinzNVH22 [223], ZhangBB22 [507], AbreuAPNM21 [128], KovacsTKSG21 [272], MejiaY20 [329], SacramentoSP20 [399], BenediktMH20 [70], AntuoriHHEN20 [12], GroleazNS20 [202], BadicaBI20 [26], MengZRZL20 [331], Novas19 [356], NishikawaSTT19 [354], GeibingerMM19 [180], ArbaouiY18 [14], NishikawaSTT18 [352], FahimiOQ18 [154], RiahiNS018 [393], MossigeGSMC17 [339], BofillCSV17 [84]... (Total: 66)	PrataAN23 [386], CzerniachowskaWZ23 [123], MontemanniD23 [338], EfthymiouY23 [147], KimCMLLP23 [258], SquillaciPR23 [427], SvancaraB22 [432], JungblutK22 [243], PohlAK22 [379], SubulanC22 [428], YuraszeckMPV22 [501], YunusogluY22 [499], ArmstrongGOS22 [16], AstrandOF21 [23], HubnerGSV21 [238], KlankeBYE21 [259], VlkHT21 [480], ArmstrongGOS21 [15], LunardiBLRV20 [315], NattafM20 [350], AstrandJZ20 [25], QinDCS20 [389], ZouZ20 [517], abs-1901-07914 [62], BogaerdTW19 [464], FrohnerTR19 [167], MalapertN19 [322], KucukY19 [279], MurinR19 [343]... (Total: 106)
Benchmarks	bitbucket		TardivoDFMP23 [436]	HeOGLW18 [212], CappartS17 [107], CauwelaertDMS16 [110], GayHLS15 [173], GayHS15a [175], DejemeppeCS15 [133], GayHS15 [174], DejemeppeD14 [134], HoundjiSWD14 [237]
Benchmarks	generated instance	IsikYA23 [240], LuoB22 [318], abs-1911-04766 [179]	abs-2312-13682 [374], PerezGSL23 [373], MejiaY20 [329], GodetLHS20 [189], Madi-WambaB16 [319], KelbelH11 [254], SchausHMCMD11 [403]	abs-2402-00459 [351], abs-2305-19888 [224], EfthymiouY23 [147], BoudreaultSLQ22 [98], ColT22 [121], YuraszeckMPV22 [501], HeinzNVH22 [223], YunusogluY22 [499], abs-2211-14492 [429], TouatBT22 [450], ZhangBB22 [507], abs-2102-08778 [119], AbreuAPNM21 [128], GeibingerMM21 [181], HanenKP21 [210], AbohashimaEG21 [2], AstrandOF21 [23], MokhtarzadehTNF20 [334], AntuoriHHEN20 [12], LunardiBLRV20 [315], BenediktMH20 [70], GeibingerMM19 [180], MalapertN19 [322], YangSS19 [496], KucukY19 [279], MusliuSS18 [346], BenediktSMVH18 [71], GoldwasserS18 [193], PourDERB18 [382]... (Total: 46)
Benchmarks	github	KoehlerBFFHPSSS21 [261]	TardivoDFMP23 [436], PovedaAA23 [383], JungblutK22 [243], BoudreaultSLQ22 [98], HamPK21 [209], GodetLHS20 [189], BenediktMH20 [70], LunardiBLRV20 [315]	abs-2402-00459 [351], YuraszeckMC23 [500], SquillaciPR23 [427], JuviniHHL23 [244], YuraszeckMCCR23 [502], Bit-Monnot23 [79], abs-2306-05747 [438], NaderiRR23 [347], TasselGS23 [437], LuoB22 [318], OuelletQ22 [365], ColT22 [121], YuraszeckMPV22 [501], GeitzGSSW22 [182], MullerMKP22 [342], KovacsTKSG21 [272], GeibingerMM21 [181], VlkHT21 [480], AbohashimaEG21 [2], WangB20 [484], Polo-MejiaALB20 [380], FallahiAC20 [156], ColT19 [120], BehrensLM19 [61], BadicaBIL19 [27], abs-1901-07914 [62], abs-1911-04766 [179], MurinR19 [343], BenediktSMVH18 [71]... (Total: 36)
Benchmarks	gitlab		HeinzNVH22 [223]	abs-2305-19888 [224], BoudreaultSLQ22 [98], AntuoriHHEN21 [13], AntuoriHHEN20 [12]
Benchmarks	industrial instance	LuoB22 [318], AntuoriHHEN20 [12]	BonfiettiZLM16 [94], BonfiettiLBM14 [90]	TasselGS23 [437], EfthymiouY23 [147], PovedaAA23 [383], abs-2306-05747 [438], OujanaAYB22 [366], Mercier-AubinGQ20 [332], NattafM20 [350], GroleazNS20 [202], MalapertN19 [322], BofillGSV15 [86], BofillEGPSV14 [85], BonfiettiM12 [93], LombardiBMB11 [304], BonfiettiLBM11 [88]

Table 17: Works for Concepts of Type Benchmarks

Type	Keyword	High	Medium	Low
Benchmarks	industrial partner	BoudreaultSLQ22 [98]	LacknerMMWW23 [284], ArmstrongGOS21 [15]	WinterMMW22 [490], VlkHT21 [480], LacknerMMWW21 [283], GroleazNS20a [201], Mercier-AubinGQ20 [332], abs-1911-04766 [179], GeibingerMM19 [180], MossigeGSMC17 [339], HebrardHJMPV16 [214], LipovetzkyBPS14 [299], LimtanyakulS12 [298], KovacsV06 [271], KovacsV04 [270]
Benchmarks	industry partner	BurtLPS15 [104], LipovetzkyBPS14 [299]		WinterMMW22 [490], LuoB22 [318], ArmstrongGOS21 [15], abs-1902-09244 [211]
Benchmarks	instance generator	LacknerMMWW23 [284], LacknerMMWW21 [283]	GoldwasserS18 [193]	abs-2402-00459 [351], ArmstrongGOS21 [15], abs-1911-04766 [179], GoldwasserS17 [192], YoungFS17 [498], BeniniLMR11 [73], abs-1009-0347 [409], RuggieroBBMA09 [398], LombardiM09 [305], HeipckeCCS00 [225]
Benchmarks	random instance	LacknerMMWW21 [283], WallaceY20 [483]	LacknerMMWW23 [284], EfthymiouY23 [147], WangB23 [485], LetortCB15 [291], KelbelH11 [254]	Mehdizadeh-Somarin23 [328], OuelletQ22 [365], abs-2211-14492 [429], MullerMKP22 [342], VlkHT21 [480], KlankeBYE21 [259], HanenKP21 [210], AntuoriHHEN20 [12], LunardiBLRV20 [315], BenediktMH20 [70], BenediktSMVH18 [71], FahimiOQ18 [154], Hooker17 [235], MossigeGSMC17 [339], CappartS17 [107], Madi-WambaB16 [319], KameugneFSN14 [251], DerrienP14 [138], DerrienPZ14 [139], LetortCB13 [290], LimtanyakulS12 [298], BillautHL12 [78], LetortBC12 [289], BartakS11 [42], Hooker06 [234], Hooker05 [232], ArtiouchineB05 [21], Hooker04 [231], BeldiceanuC02 [64]
Benchmarks	real-life	GurPAE23 [206], SubulanC22 [428], WinterMMW22 [490], HubnerGSV21 [238], QinDCS20 [389], GurEA19 [518], WangMD15 [486], BartakSR10 [43], BartakCS10 [41], Bartak02a [38], MartinPY01 [326]	LacknerMMWW23 [284], OujanaAYB22 [366], Astrand0F21 [23], LacknerMMWW21 [283], KlankeBYE21 [259], FallahiAC20 [156], abs-1911-04766 [179], PourDERB18 [382], MusliuSS18 [346], BartakV15 [44], GaySS14 [176], LimtanyakulS12 [298], RuggieroBBMA09 [398], Tsang03 [461], NuijtenP98 [361], SimonisC95 [425], DincbasSH90 [142]	PrataAN23 [386], EfthymiouY23 [147], PovedaAA23 [383], IsikYA23 [240], GeitzGSSW22 [182], CampeauG22 [106], LuoB22 [318], ColT22 [121], Teppan22 [440], BoudreaultSLQ22 [98], YunusogluY22 [499], YuraszeckMPV22 [501], GeibingerMM21 [181], Bedhief21 [59], abs-2102-08778 [119], WallaceY20 [483], GodetLHS20 [189], SacramentoSP20 [399], AstrandJZ20 [25], GeibingerMM19 [180], YounespourAKE19 [497], MurinR19 [343], GokgurHO18 [191], Laborie18a [281], BorghesiBLMB18 [96], RiahiNS018 [393], NishikawaSTT18a [353], GelainPRVW17 [183], CappartS17 [107]... (Total: 67)
Benchmarks	real-world	abs-2305-19888 [224], HeinzNVH22 [223], YunusogluY22 [499], ColT22 [121], KoehlerBFFHPSSS21 [261], GeibingerMM21 [181], MokhtarzadehTNF20 [334], abs-1911-04766 [179], GeibingerMM19 [180], abs-1902-09244 [211], FrohnerTR19 [167], MelgarejoLS15 [6], EvenSH15 [152], EvenSH15a [153], RendlPHPR12 [392], MouraSCL08a [340]	PrataAN23 [386], IsikYA23 [240], abs-2306-05747 [438], AbreuNP23 [130], TasselGS23 [437], AalianPG23 [1], WangB23 [485], YuraszeckMCCR23 [502], SvancaraB22 [432], OujanaAYB22 [366], LuoB22 [318], MullerMKP22 [342], ArmstrongGOS21 [15], WessenCS20 [488], TangB20 [434], WallaceY20 [483], AstrandJZ20 [25], ParkUJR19 [371], YounespourAKE19 [497], FrimodigS19 [166], RiahiNS018 [393], HoYCLLCLC18 [230], LaborieRSV18 [282], PourDERB18 [382], ShinBBHO18 [418], TranVNB17 [457], HechingH16 [216], BonfiettiZLM16 [94], MurphyMB15 [344]... (Total: 37)	abs-2402-00459 [351], KimCMLLP23 [258], abs-2312-13682 [374], PovedaAA23 [383], JuvinHL23 [245], Bit-Monnot23 [79], TardivoDFMP23 [436], CzerniachowskaWZ23 [123], PerezGSL23 [373], ShaikhK23 [416], BourreauGGLT22 [99], CampeauG22 [106], JungblutK22 [243], AbreuN22 [129], ArmstrongGOS22 [16], SubulanC22 [428], FetgoD22 [160], PohlAK22 [379], BoudreaultSLQ22 [98], GeitzGSSW22 [182], GeibingerKMMM21 [178], AbohashimaEG21 [2], KovacsTKSG21 [272], Astrand0F21 [23], abs-2102-08778 [119], AbreuAPNM21 [128], HillTV21 [229], BadicaBI20 [26], SacramentoSP20 [399]... (Total: 99)
Benchmarks	supplementary material	FarsiTM22 [158], MejiaY20 [329]	MontemanniD23 [338], SchuttFSW13 [411]	JuvinHHL23 [244], abs-2306-05747 [438], TasselGS23 [437], WinterMMW22 [490], ColT22 [121], BoudreaultSLQ22 [98], YunusogluY22 [499], KovacsTKSG21 [272], ArmstrongGOS21 [15], AntuoriHHEN21 [13], LacknerMMWW21 [283], MengZRZL20 [331]

Benchmarks	zenodo	LacknerMMWW23 [284], SacramentoSP20 [399]	KimCMLLP23 [258], WinterMMW22 [490], ArmstrongGOS21 [15]
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6.9 Concept Type Algorithms

Table 18: Works for Concepts of Type Algorithms

Type	Keyword	High	Medium	Low
Algorithms	bi-partite matching			Simonis07 [424], Kumar03 [278]
Algorithms	edge-finder	KameugneFND23 [249], FetgoD22 [160], GingrasQ16 [186], KameugneFSN14 [251], BaptisteP00 [35]	OuelletQ13 [363], KelbelH11 [254], PapaB98 [370]	BaptisteB18 [32], BonfiettiZLM16 [94], GuSS13 [204], SchuttFSW11 [410], HeckmanB11 [217], SchuttFSW09 [408], BidotVLB09 [77], BeckW07 [58], BeckW05 [57], ValleMGT03 [462], BeckR03 [55], SakkoutW00 [402], BaptisteP97 [34], Zhou97 [512]
Algorithms	edge-finding	KameugneFND23 [249], JuvinHHL23 [244], TardivoDFMP23 [436], OuelletQ22 [365], FetgoD22 [160], YangSS19 [496], GokgurHO18 [191], BaptisteB18 [32], FahimiOQ18 [154], KreterSS17 [274], Kameugne15 [247], GayHS15a [175], KameugneFSN14 [251], OuelletQ13 [363], SchuttFS13a [406], SchuttFSW11 [410], KameugneFSN11 [250], ClercqPBJ11 [116], Vilim11 [475], Vilim09 [473], ArtiouchineB05 [21], VilimBC05 [477], Hooker05 [232], VilimBC04 [476], BaptisteP00 [35], FocacciLN00 [161], BeckF00 [53], PapaB98 [370], BeckF98 [52]... (Total: 31)	BoudreaultSLQ22 [98], LaborieRSV18 [282], Tesch18 [444], GingrasQ16 [186], CauwelaertDMS16 [110], LetortCB15 [291], DejemeppeCS15 [133], LetortCB13 [290], LombardiM12 [309], LetortBC12 [289], BartakSR10 [43], LiessM08 [293], HoeveGSL07 [466], MonetteDD07 [335], Vilim04 [471], Bartak02 [39], SchildW00 [404], Zhou97 [512]	CampeauG22 [106], WallaceY20 [483], OuelletQ18 [364], NattafAL17 [349], Tesch16 [443], SialaAH15 [420], GayHLS15 [173], DerrienP14 [138], GuSS13 [204], OzturkTHO13 [367], ChuGNSW13 [113], HeinzSB13 [222], LimtanyakulS12 [298], BeldiceanuCDP11 [65], KelbelH11 [254], GrimesH11 [197], KovacsB11 [267], HeckmanB11 [217], SchuttW10 [413], GrimesH10 [196], Vilim09a [474], abs-0907-0939 [376], GrimesHM09 [199], BidotVLB09 [77], BeldiceanuCP08 [66], MalikMB08 [324], KeriK07 [255], BeckW07 [58], ArtiguesBF04 [18]... (Total: 43)
Algorithms	energetic reasoning	TardivoDFMP23 [436], FetgoD22 [160], OuelletQ22 [365], HanenKP21 [210], OuelletQ18 [364], Tesch18 [444], NattafAL17 [349], Tesch16 [443], GayHS15a [175], NattafAL15 [348], DerrienP14 [138], SchuttFS13a [406], LimtanyakulS12 [298], HeinzS11 [221], Vilim11 [475]	KameugneFND23 [249], KameugneFGOQ18 [248], SchuttFS13 [407]	IsikYA23 [240], BoudreaultSLQ22 [98], ArmstrongGOS21 [15], YangSS19 [496], GokgurHO18 [191], Laborie18a [281], BofillCSV17 [84], GingrasQ16 [186], LetortCB15 [291], KameugneFSN14 [251], LetortCB13 [290], OuelletQ13 [363], LombardiM12 [309], LahimerLH11 [285], ClercqPBJ11 [116], BeldiceanuCDP11 [65], abs-0907-0939 [376], Vilim09 [473], Vilim09a [474], Limtanyakul07 [297], WolfS05 [492], BaptisteP00 [35], PapaB98 [370], FanXG21 [157], Kumar03 [278]
Algorithms	max-flow		LopesCSM10 [311], MouraSCL08 [341], Muscettola02 [345]	
Algorithms	not-first	KameugneFND23 [249], KameugneFGOQ18 [248], FahimiOQ18 [154], GayHS15a [175], SchuttFSW11 [410], VilimBC05 [477], ArtiouchineB05 [21]	TardivoDFMP23 [436], FetgoD22 [160], GokgurHO18 [191], OuelletQ18 [364], Kameugne15 [247], DejemeppeCS15 [133], KameugneFSN14 [251], OuelletQ13 [363], SchuttW10 [413], BartakSR10 [43], MonetteDD07 [335], VilimBC04 [476], Wolf03 [491], BeckF00 [53]	JuvinHHL23 [244], OuelletQ22 [365], BoudreaultSLQ22 [98], Tesch16 [443], CauwelaertDMS16 [110], ChuGNSW13 [113], LimtanyakulS12 [298], KameugneFSN11 [250], Vilim09 [473], SourdN00 [426]
Algorithms	not-last	TardivoDFMP23 [436], KameugneFND23 [249], FahimiOQ18 [154], KameugneFGOQ18 [248], OuelletQ18 [364], GayHS15a [175], SchuttW10 [413], ArtiouchineB05 [21], SchuttWS05 [414], Vilim05 [472], VilimBC05 [477], Vilim04 [471], Wolf03 [491]	FetgoD22 [160], GokgurHO18 [191], Tesch18 [444], Kameugne15 [247], DejemeppeCS15 [133], KameugneFSN14 [251], SchuttFS13a [406], OuelletQ13 [363], SchuttFSW11 [410], Vilim11 [475], KameugneFSN11 [250], BartakSR10 [43], MonetteDD07 [335], VilimBC04 [476], BeckF00 [53]	JuvinHHL23 [244], BoudreaultSLQ22 [98], GeitzGSSW22 [182], OuelletQ22 [365], GodetLHS20 [189], YangSS19 [496], CauwelaertDMS16 [110], Tesch16 [443], ChuGNSW13 [113], LimtanyakulS12 [298], GrimesHM09 [199], MonetteDH09 [336], Vilim09a [474], Vilim09 [473], BocewiczBB09 [83], WolfS05 [492], Vilim03 [470]

Table 18: Works for Concepts of Type Algorithms

Type	Keyword	High	Medium	Low
Algorithms	sweep	Tesch18 [444], Tesch16 [443], BonfiettiZLM16 [94], SimoninAHL15 [422], NattafAL15 [348], LetortCB15 [291], GayHS15 [174], DerrienPZ14 [139], LetortCB13 [290], SimoninAHL12 [421], LetortBC12 [289], ClercqPBJ11 [116], abs-0907-0939 [376], BeldiceanuP07 [67], Wolf03 [491], BeldiceanuC02 [64]	FahimiOQ18 [154], GoldwaserS18 [193], GayHS15a [175], AronssonBK09 [17], PoderB08 [377], WolfS05 [492]	KameugneFND23 [249], TardivoDFMP23 [436], HebrardALLCMR22 [213], GeitzGSSW22 [182], FetgoD22 [160], OuelletQ22 [365], FallahiAC20 [156], KameugneFGOQ18 [248], Madi-WambaLOBM17 [320], GingrasQ16 [186], BartakV15 [44], EvenSH15 [152], EvenSH15a [153], DerrienP14 [138], BonfiettiLBM14 [90], GaySS14 [176], OuelletQ13 [363], BeldiceanuCDP11 [65], Vilim11 [475], LombardiM10a [306], BartakSR10 [43], BeldiceanuCP08 [66], KovacsB08 [266], Simonis07 [424], VilimBC05 [477], Vilim04 [471], PrataAN23 [386], KameugneFND23 [249], LacknerMMWW23 [284], AbreuNP23 [130], TouatBT22 [450], FarsiTM22 [158], SvancaraB22 [432], FetgoD22 [160], GeibingerMM21 [181], MokhtarzadehTNF20 [334], GodetLHS20 [189], LiuLH19 [300], abs-1911-04766 [179], KucukY19 [279], GeibingerMM19 [180], KameugneFGOQ18 [248], AstrandJZ18 [24], BaptisteB18 [32], GoldwaserS18 [193], YoungFS17 [498], CohenHB17 [118], ZarandiKS16 [503], Tesch16 [443], LuoVLBM16 [317], LimBTBB15 [296], WangMD15 [486], VilimLS15 [478], GayHLS15 [173], BofilLEGPSV14 [85]... (Total: 47)
Algorithms	time-tabling	TardivoDFMP23 [436], ShaikhK23 [416], OuelletQ22 [365], DemirovicS18 [136], FahimiOQ18 [154], GayHS15a [175], OuelletQ13 [363], HeinzS11 [221], ElkhyariGJ02a [149], Wallace96 [482]	WallaceY20 [483], abs-1902-01193 [8], Tesch18 [444], OuelletQ18 [364], GayHS15 [174], BofilIGSV15 [86], Vilim11 [475], Bartak02 [39]	

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A Papers and Articles Missing a Local Copy

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

Table 19: PAPER without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
ArtiguesHQT21	ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	2021	ICORES 2021	[19]
FriedrichFMRST14	FriedrichFMRST14	G. Friedrich, M. Frühstück, V. Mersheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	2014	GOR 2014	[165]
LouieVNB14	LouieVNB14	Wing-Yue Geoffrey Louie, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities	2014	ICRA 2014	[314]
Beck06	Beck06	J. Christopher Beck	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling	2006	ICAPS 2006	[48]
BeckW04	BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	2004	ECAI 2004	[56]
VillaverdeP04	VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	2004	ISCA 2004	[479]
BeckPS03	BeckPS03	J. Christopher Beck, P. Prosser, E. Selensky	Vehicle Routing and Job Shop Scheduling: What's the Difference?	2003	ICAPS 2003	[54]
BoucherBVBL97	BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem	1997	PACT 1997	[97]
PapeB97	PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	1997	PACT 1997	[369]
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	[242]
Wallace94	Wallace94	M. Wallace	Applying Constraints for Scheduling	1994	Constraint Programming 1994	[481]

Table 20: ARTICLE without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
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	[159]
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.	[417]
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	[10]
KreterSSZ18	KreterSSZ18	S. Kreter, A. Schutt, Peter J. Stuckey, J. Zimmermann	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems	2018	Eur. J. Oper. Res.	[275]
BlomPS16	BlomPS16	Michelle L. Blom, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods	2016	Manag. Sci.	[82]
KuB16	KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	2016	Comput. Oper. Res.	[276]
TranAB16	TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	2016	INFORMS J. Comput.	[452]
GrimesH15	GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	2015	INFORMS J. Comput.	[198]

Table 20: ARTICLE without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
BlomBPS14	BlomBPS14	Michelle L. Blom, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines	2014	INFORMS J. Comput.	[81]
TerekhovDOB12	TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	2012	Comput. Ind. Eng.	[441]
BandaSC11	BandaSC11	Maria Garcia de la Banda, Peter J. Stuckey, G. Chu	Solving Talent Scheduling with Dynamic Programming	2011	INFORMS J. Comput.	[131]
WuBB09	WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	2009	Comput. Oper. Res.	[495]
Tay92	Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	1992	Comput. J.	[439]

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	[36]	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	[263]	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	[312]	4

C Unmatched Concepts

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

Table 23: Unmatched Concepts

Type	Name	CaseSensitive	Revision
Industries	steel making industry		0
ApplicationAreas	datacentre		0
ApplicationAreas	day-ahead market		0
ApplicationAreas	ship building		0
ApplicationAreas	vaccine		0
Classification	Modified Generalized Assignment Problem		0
Classification	PP-MS-MMRCPS	Y	1
Classification	Pre-emptive Job-Shop scheduling Problem		0
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow		0
Classification	SMSDP	Y	1
Classification	Steel-making and continuous casting		0
Concepts	Allen's algebra		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	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	[318]	2022	CPAIOR 2022	17	489	612
ZhangBB22 ZhangBB22	J. Zhang, Giovanni Lo Bianco, J. Christopher Beck	Solving Job-Shop Scheduling Problems with QUBO-Based Specialized Hardware	Yes	[507]	2022	ICAPS 2022	9	??	620
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[434]	2020	CPAIOR 2020	16	550	641
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	[455]	2018	J. Sched.	17	??	1347
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	[118]	2017	SAT 2017	17	??	675
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	[457]	2017	J. Artif. Intell. Res.	68	??	1351
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	[458]	2017	IJCAI 2017	5	??	684
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	[95]	2016	CP 2016	17	355	687
KuB16 KuB16	W. Ku, J. Christopher Beck	Mixed Integer Programming models for job shop scheduling: A computational analysis	No	[276]	2016	Comput. Oper. Res.	9	No	1357
LuoVLBM16 LuoVLBM16	R. Luo, Richard Anthony Valenzano, Y. Li, J. Christopher Beck, Sheila A. McIlraith	Using Metric Temporal Logic to Specify Scheduling Problems	Yes	[317]	2016	KR 2016	4	??	696
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	No	[452]	2016	INFORMS J. Comput.	13	No	1359
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	[454]	2016	SOCS 2016	9	??	701
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	[459]	2016	AAAI 2016	9	??	702
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	[30]	2015	J. Sched.	16	??	1361
KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[264]	2014	CPAIOR 2014	16	459	733
LouieVNB14 LouieVNB14	Wing-Yue Geoffrey Louie, Tiago Stegun Vaquero, G. Nejat, J. Christopher Beck	An autonomous assistive robot for planning, scheduling and facilitating multi-user activities	No	[314]	2014	ICRA 2014	7	No	735
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[442]	2014	J. Artif. Intell. Res.	38	??	1376
BajestaniB13 BajestaniB13	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling a Dynamic Aircraft Repair Shop with Limited Repair Resources	Yes	[29]	2013	J. Artif. Intell. Res.	36	??	1378
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[219]	2013	CPAIOR 2013	16	430	740
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[222]	2013	Constraints An Int. J.	36	1153	1380
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	[456]	2013	ICAPS 2013	9	??	747

Table 24: Works from bibtex (Total 46)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[218]	2012	CPAIOR 2012	17	429	752
TerekhovDOB12 TerekhovDOB12	D. Terekhov, Mustafa K. Dogru, U. Özen, J. Christopher Beck	Solving two-machine assembly scheduling problems with inventory constraints	No	[441]	2012	Comput. Ind. Eng.	15	No	1388
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[453]	2012	ECAI 2012	6	??	759
BajestaniB11 BajestaniB11	Maliheh Aramon Bajestani, J. Christopher Beck	Scheduling an Aircraft Repair Shop	Yes	[28]	2011	ICAPS 2011	8	??	761
BeckFW11 BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	Yes	[51]	2011	INFORMS J. Comput.	14	1109	1391
HeckmanB11 HeckmanB11	I. Heckman, J. Christopher Beck	Understanding the behavior of Solution-Guided Search for job-shop scheduling	Yes	[217]	2011	J. Sched.	20	??	1395
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[267]	2011	Constraints An Int. J.	24	1167	1397
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[77]	2009	J. Sched.	30	??	1410
WuBB09 WuBB09	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with uncertain durations: Modeling beta-robust scheduling with constraints	No	[495]	2009	Comput. Oper. Res.	9	No	1414
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[266]	2008	Eng. Appl. Artif. Intell.	7	1166	1417
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[487]	2008	CPAIOR 2008	15	574	802
Beck07 Beck07	J. Christopher Beck	Solution-Guided Multi-Point Constructive Search for Job Shop Scheduling	Yes	[49]	2007	J. Artif. Intell. Res.	29	??	1420
BeckW07 BeckW07	J. Christopher Beck, N. Wilson	Proactive Algorithms for Job Shop Scheduling with Probabilistic Durations	Yes	[58]	2007	J. Artif. Intell. Res.	50	??	1421
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[265]	2007	CPAIOR 2007	15	??	809
Beck06 Beck06	J. Christopher Beck	An Empirical Study of Multi-Point Constructive Search for Constraint-Based Scheduling	No	[48]	2006	ICAPS 2006	10	No	814
BeckW05 BeckW05	J. Christopher Beck, N. Wilson	Proactive Algorithms for Scheduling with Probabilistic Durations	Yes	[57]	2005	IJCAI 2005	6	??	823
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[108]	2005	CP 2005	1	361	824
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[494]	2005	CP 2005	1	580	839
BeckW04 BeckW04	J. Christopher Beck, N. Wilson	Job Shop Scheduling with Probabilistic Durations	No	[56]	2004	ECAI 2004	5	No	841
BeckPS03 BeckPS03	J. Christopher Beck, P. Prosser, E. Selensky	Vehicle Routing and Job Shop Scheduling: What's the Difference?	No	[54]	2003	ICAPS 2003	10	No	852
BeckR03 BeckR03	J. Christopher Beck, P. Refalo	A Hybrid Approach to Scheduling with Earliness and Tardiness Costs	Yes	[55]	2003	Ann. Oper. Res.	23	??	1432
BeckF00 BeckF00	J. Christopher Beck, Mark S. Fox	Dynamic problem structure analysis as a basis for constraint-directed scheduling heuristics	Yes	[53]	2000	Artif. Intell.	51	??	1442
Beck99 Beck99	J. Christopher Beck	Texture measurements as a basis for heuristic commitment techniques in constraint-directed scheduling	No	[47]	1999	n/a	null	No	??
BeckF98 BeckF98	J. Christopher Beck, Mark S. Fox	A Generic Framework for Constraint-Directed Search and Scheduling	Yes	[52]	1998	AI Mag.	30	??	1450
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research	Yes	[50]	1997	CP 1997	15	333	880

D.2 Works by Michela Milano

Table 25: Works from bibtex (Total 24)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[96]	2018	Sustain. Comput. Informatics Syst.	13	1121	1336
BorghesiBLMB18	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[94]	2016	CP 2016	17	354	686
BonfiettiZLM16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[101]	2016	IEEE Trans. Parallel Distributed Syst.	14	1123	1354
BonfiettiZLM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[102]	2016	ECAI 2016	2	357	688
BridiBLMB16	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[303]	2015	CP 2015	16	484	713
BridiBLMB16	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[45]	2014	CP 2014	16	331	722
BridiLBBM16	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[90]	2014	Artif. Intell.	28	1120	1372
BridiLBBM16	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[92]	2014	CPAIOR 2014	16	352	725
LombardiBM15	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[91]	2013	ICAPS 2013	5	351	736
LombardiBM15	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[310]	2013	ICAPS 2013	2	488	743
BartoliniBBLM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[89]	2012	CPAIOR 2012	16	350	749
BartoliniBBLM14	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[93]	2012	DC SIAAI 2012	3	353	750
BonfiettiLBM14	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[309]	2012	Constraints An Int. J.	35	1178	1385
BonfiettiLBM14	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[308]	2012	Artif. Intell.	10	1179	1386
BonfiettiLM14	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[73]	2011	Ann. Oper. Res.	27	1116	1393
BonfiettiLM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[88]	2011	CP 2011	15	349	762
BonfiettiLM13	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[304]	2011	CPAIOR 2011	17	485	771
BonfiettiLM13	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[307]	2010	CP 2010	15	487	779
LombardiIM13	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[306]	2010	Artif. Intell.	30	1177	1405
LombardiIM13	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[305]	2009	CP 2009	15	486	788
BonfiettiLBM12	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	[398]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	1215	1413
BonfiettiM12	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[72]	2006	CPAIOR 2006	15	340	815
LombardiIM12	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[286]	1997	Artif. Intell. Eng.	15	1173	1456
LombardiIM12a	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[103]	1996	ISMIS 1996	10	358	884
LombardiIM12a									

D.3 Works by Andreas Schutt

Table 26: Works from bibtex (Total 24)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[496]	2019	CPAIOR 2019	10	581	658
GoldwaserS18 GoldwaserS18	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[193]	2018	J. Artif. Intell. Res.	32	1144	1340
KreterSSZ18 KreterSSZ18	S. Kreter, A. Schutt, Peter J. Stuckey, J. Zimmermann	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems	No	[275]	2018	Eur. J. Oper. Res.	15	No	1342
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[346]	2018	CPAIOR 2018	17	507	667
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[192]	2017	CP 2017	16	413	677
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[274]	2017	Constraints An Int. J.	31	1169	1349
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[498]	2017	CP 2017	10	582	685
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[412]	2016	CP 2016	17	538	698
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[433]	2016	CP 2016	10	549	699
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[152]	2015	CP 2015	18	389	707
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[153]	2015	CoRR	16	1132	1362
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[273]	2015	CP 2015	17	464	711
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	[446]	2014	J. Heuristics	34	1232	1377
ChuGNSW13 ChuGNSW13	G. Chu, S. Gaspers, N. Narodytska, A. Schutt, T. Walsh	On the Complexity of Global Scheduling Constraints under Structural Restrictions	Yes	[113]	2013	IJCAI 2013	7	366	737
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	[204]	2013	CPAIOR 2013	7	422	739
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[407]	2013	CP 2013	17	535	745
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[406]	2013	CPAIOR 2013	17	536	746
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[411]	2013	J. Sched.	17	1222	1382
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[405]	2012	CPAIOR 2012	17	534	756
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[410]	2011	Constraints An Int. J.	33	1221	1400
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[413]	2010	CP 2010	15	539	781
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	[409]	2010	CoRR	37	1255	1409
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[408]	2009	CP 2009	16	537	790
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[414]	2005	INAP 2005	15	540	836

D.4 Works by Peter J. Stuckey

Table 27: Works from bibtex (Total 21)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[496]	2019	CPAIOR 2019	10	581	658
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[136]	2018	CPAIOR 2018	18	378	662
KreterSSZ18 KreterSSZ18	S. Kreter, A. Schutt, Peter J. Stuckey, J. Zimmermann	Mixed-integer linear programming and constraint programming formulations for solving resource availability cost problems	No	[275]	2018	Eur. J. Oper. Res.	15	No	1342
MusliuSS18 MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[346]	2018	CPAIOR 2018	17	507	667
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[274]	2017	Constraints An Int. J.	31	1169	1349
BlomPS16 BlomPS16	Michelle L. Blom, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Algorithm for the Scheduling of Open-Pit Networks Over Multiple Time Periods	No	[82]	2016	Manag. Sci.	26	No	1352
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[412]	2016	CP 2016	17	538	698
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	[104]	2015	CPAIOR 2015	17	359	705
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[273]	2015	CP 2015	17	464	711
BlomBPS14 BlomBPS14	Michelle L. Blom, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	A Decomposition-Based Heuristic for Collaborative Scheduling in a Network of Open-Pit Mines	No	[81]	2014	INFORMS J. Comput.	19	No	1371
LipovetzkyBPS14 LipovetzkyBPS14	N. Lipovetzky, Christina N. Burt, Adrian R. Pearce, Peter J. Stuckey	Planning for Mining Operations with Time and Resource Constraints	Yes	[299]	2014	ICAPS 2014	9	480	734
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	[204]	2013	CPAIOR 2013	7	422	739
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[407]	2013	CP 2013	17	535	745
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[406]	2013	CPAIOR 2013	17	536	746
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[411]	2013	J. Sched.	17	1222	1382
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[205]	2012	CP 2012	15	423	751
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[405]	2012	CPAIOR 2012	17	534	756
BandaSC11 BandaSC11	Maria Garcia de la Banda, Peter J. Stuckey, G. Chu	Solving Talent Scheduling with Dynamic Programming	No	[131]	2011	INFORMS J. Comput.	18	No	1389
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[410]	2011	Constraints An Int. J.	33	1221	1400
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	[409]	2010	CoRR	37	1255	1409
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[408]	2009	CP 2009	16	537	790

D.5 Works by Michele Lombardi

Table 28: Works from bibtex (Total 20)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BorghesiBLMB18 BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[96]	2018	Sustain. Comput. Informatics Syst.	13	1121	1336

Table 28: Works from bibtex (Total 20)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BonfiettiZLM16 BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[94]	2016	CP 2016	17	354	686
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[101]	2016	IEEE Trans. Parallel Distributed Syst.	14	1123	1354
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[102]	2016	ECAI 2016	2	357	688
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[303]	2015	CP 2015	16	484	713
BartoliniBBLM14 BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[45]	2014	CP 2014	16	331	722
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[90]	2014	Artif. Intell.	28	1120	1372
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[92]	2014	CPAIOR 2014	16	352	725
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[91]	2013	ICAPS 2013	5	351	736
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[310]	2013	ICAPS 2013	2	488	743
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[89]	2012	CPAIOR 2012	16	350	749
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[309]	2012	Constraints An Int. J.	35	1178	1385
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[308]	2012	Artif. Intell.	10	1179	1386
BeniniLMR11 BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[73]	2011	Ann. Oper. Res.	27	1116	1393
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[88]	2011	CP 2011	15	349	762
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[304]	2011	CPAIOR 2011	17	485	771
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[307]	2010	CP 2010	15	487	779
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[306]	2010	Artif. Intell.	30	1177	1405
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[305]	2009	CP 2009	15	486	788
HoeveGSL07 HoeveGSL07	Willem Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[466]	2007	AAAI 2007	6	437	807

D.6 Works by Emmanuel Hebrard

Table 29: Works from bibtex (Total 17)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[244]	2023	CP 2023	16	446	594
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	[213]	2022	IJCAI 2022	7	426	609

Table 29: Works from bibtex (Total 17)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
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	[13]	2021	CP 2021	16	314	622
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	No	[19]	2021	ICORES 2021	8	No	624
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	[12]	2020	CP 2020	16	313	634
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	[189]	2020	AAAI 2020	8	412	636
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	[214]	2016	Discret. Appl. Math.	10	1151	1356
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	No	[198]	2015	INFORMS J. Comput.	17	No	1364
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[420]	2015	CP 2015	10	542	718
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[422]	2015	Constraints An Int. J.	23	1226	1369
BessiereHMQW14 BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[76]	2014	CPAIOR 2014	16	342	723
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[78]	2012	CPAIOR 2012	15	343	748
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[421]	2012	CP 2012	15	543	758
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[197]	2011	CP 2011	17	417	766
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[196]	2010	CPAIOR 2010	15	416	778
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[199]	2009	CP 2009	9	418	786
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[215]	2005	CP 2005	1	427	831

D.7 Works by Nicolas Beldiceanu

Table 30: Works from bibtex (Total 13)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	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	[320]	2017	ICPADS 2017	8	491	681
Madi-WambaB16 Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[319]	2016	CPAIOR 2016	16	490	697
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[291]	2015	Constraints An Int. J.	52	1174	1366
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[290]	2013	CPAIOR 2013	16	474	742
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[289]	2012	CP 2012	16	473	754

Table 30: Works from bibtex (Total 13)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[65]	2011	Ann. Oper. Res.	24	1113	1392
ClercqPBJ11 ClercqPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[116]	2011	CP 2011	16	369	764
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[66]	2008	CPAIOR 2008	15	336	795
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[377]	2008	ICAPS 2008	8	521	801
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	Yes	[67]	2007	CPAIOR 2007	15	337	804
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	[378]	2004	Eur. J. Oper. Res.	16	1206	1431
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[64]	2002	CP 2002	17	335	861
AggounB93 AggounB93	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	Yes	[5]	1993	Mathematical and Computer Modelling	17	1098	1460

D.8 Works by Christian Artigues

Table 31: Works from bibtex (Total 12)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
PovedaAA23 PovedaAA23	G. Pováda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	Yes	[383]	2023	CP 2023	21	523	600
HebrardALLCMR22 HebrardALLCMR22	E. Hebrard, C. Artigues, P. Lopez, A. Lussion, Steve A. Chien, A. Maillard, Gregg R. Rabideau	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration	Yes	[213]	2022	IJCAI 2022	7	426	609
PohlAK22 PohlAK22	M. Pohl, C. Artigues, R. Kolisch	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach	Yes	[379]	2022	Eur. J. Oper. Res.	16	1207	1293
ArtiguesHQT21 ArtiguesHQT21	C. Artigues, E. Hebrard, A. Quilliot, H. Toussaint	Multi-Mode RCPSP with Safety Margin Maximization: Models and Algorithms	No	[19]	2021	ICORES 2021	8	No	624
Polo-MejiaALB20 Polo-MejiaALB20	O. Polo-Mejia, C. Artigues, P. Lopez, V. Basini	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility	Yes	[380]	2020	Int. J. Prod. Res.	18	1208	1320
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[349]	2017	Constraints An Int. J.	18	1195	1350
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[348]	2015	Constraints An Int. J.	21	1194	1367
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[420]	2015	CP 2015	10	542	718
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[422]	2015	Constraints An Int. J.	23	1226	1369
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[421]	2012	CP 2012	15	543	758
ArtiguesBF04 ArtiguesBF04	C. Artigues, S. Belmokhtar, D. Feillet	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times	Yes	[18]	2004	CPAIOR 2004	13	319	840

Table 31: Works from bibtex (Total 12)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
ArtiguesR00 ArtiguesR00	C. Artigues, F. Roubellat	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes	Yes	[20]	2000	Eur. J. Oper. Res.	20	1101	1440

D.9 Works by Pierre Lopez

Table 32: Works from bibtex (Total 12)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[244]	2023	CP 2023	16	446	594
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[245]	2023	CPAIOR 2023	16	447	595
HebrardALLCMR22 HebrardALLCMR22	E. Hebrard, C. Artigues, P. Lopez, A. Lussion, Steve A. Chien, A. Maillard, Gregg R. Rabideau	An Efficient Approach to Data Transfer Scheduling for Long Range Space Exploration	Yes	[213]	2022	IJCAI 2022	7	426	609
Polo-MejiaALB20 Polo-MejiaALB20	O. Polo-Mejia, C. Artigues, P. Lopez, V. Basini	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility	Yes	[380]	2020	Int. J. Prod. Res.	18	1208	1320
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[349]	2017	Constraints An Int. J.	18	1195	1350
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[348]	2015	Constraints An Int. J.	21	1194	1367
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[422]	2015	Constraints An Int. J.	23	1226	1369
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[78]	2012	CPAIOR 2012	15	343	748
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[421]	2012	CP 2012	15	543	758
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	[285]	2011	CPAIOR 2011	14	471	770
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	[460]	2011	Comput. Ind. Eng.	7	1235	1402
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	[312]	2000	Eur. J. Control	4	1181	1445

D.10 Works by Roman Barták

Table 33: Works from bibtex (Total 11)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
SvancaraB22 SvancaraB22	J. Svancara, R. Barták	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling	Yes	[432]	2022	ICAART 2022	8	548	616
JelinekB16 JelinekB16	J. Jelínek, R. Barták	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station	Yes	[241]	2016	PADL 2016	10	444	694
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[44]	2015	ICAART 2015	12	330	703
Bartak14 Bartak14	R. Barták	Planning and Scheduling	No	[40]	2014	n/a	null	No	??
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[42]	2011	Constraints An Int. J.	5	1107	1390
BartakCS10 BartakCS10	R. Barták, O. Cepek, P. Surynek	Discovering implied constraints in precedence graphs with alternatives	Yes	[41]	2010	Ann. Oper. Res.	31	1106	1403
BartakSR10 BartakSR10	R. Barták, Miguel A. Salido, F. Rossi	New trends in constraint satisfaction, planning, and scheduling: a survey	Yes	[43]	2010	Knowl. Eng. Rev.	31	1108	1404
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	[477]	2005	Constraints An Int. J.	23	1237	1429
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[476]	2004	CP 2004	15	570	849
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[39]	2002	CP 2002	16	328	859
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[38]	2002	ERCIM/CologNet 2002	15	329	860

D.11 Works by Petr Vilím

Table 34: Works from bibtex (Total 11)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	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	[282]	2018	Constraints An Int. J.	41	1171	1343
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[478]	2015	CPAIOR 2015	17	571	719
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[475]	2011	CPAIOR 2011	16	569	772
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$	Yes	[473]	2009	CP 2009	15	567	792
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[474]	2009	CPAIOR 2009	15	568	793
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[472]	2005	CPAIOR 2005	14	566	837
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	[477]	2005	Constraints An Int. J.	23	1237	1429
Vilim04 Vilim04	P. Vilím	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint	Yes	[471]	2004	CPAIOR 2004	13	565	848
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[476]	2004	CP 2004	15	570	849
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[470]	2003	CP 2003	1	564	857
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[469]	2002	CP 2002	1	563	867

D.12 Works by Luca Benini

Table 35: Works from bibtex (Total 10)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[96]	2018	Sustain. Comput. Informatics Syst.	13	1121	1336
BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[101]	2016	IEEE Trans. Parallel Distributed Syst.	14	1123	1354
BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized Dispatching and Scheduling	Yes	[102]	2016	ECAI 2016	2	357	688
BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[90]	2014	Artif. Intell.	28	1120	1372
BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[89]	2012	CPAIOR 2012	16	350	749
BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[73]	2011	Ann. Oper. Res.	27	1116	1393
BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[88]	2011	CP 2011	15	349	762
LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[304]	2011	CPAIOR 2011	17	485	771
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	[398]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	1215	1413
BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[72]	2006	CPAIOR 2006	15	340	815

D.13 Works by Alessio Bonfietti

Table 36: Works from bibtex (Total 10)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	Yes	[87]	2016	Intelligenza Artificiale	13	1119	1353
BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[94]	2016	CP 2016	17	354	686
LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[303]	2015	CP 2015	16	484	713
BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[90]	2014	Artif. Intell.	28	1120	1372
BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[92]	2014	CPAIOR 2014	16	352	725
BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[91]	2013	ICAPS 2013	5	351	736
BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[89]	2012	CPAIOR 2012	16	350	749
BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[93]	2012	DC SIAAI 2012	3	353	750
BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[88]	2011	CP 2011	15	349	762

Table 36: Works from bibtex (Total 10)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[304]	2011	CPAIOR 2011	17	485	771

D.14 Works by Philippe Laborie

Table 37: Works from bibtex (Total 10)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	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	[315]	2020	Comput. Oper. Res.	20	1183	1316
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[281]	2018	CPAIOR 2018	9	469	666
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	[282]	2018	Constraints An Int. J.	41	1171	1343
MelgarejoLS15 MelgarejoLS15	P. Aguiar-Melgarejo, P. Laborie, C. Solnon	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems	Yes	[6]	2015	CPAIOR 2015	17	496	714
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[478]	2015	CPAIOR 2015	17	571	719
BidotVLB09 BidotVLB09	J. Bidot, T. Vidal, P. Laborie, J. Christopher Beck	A theoretic and practical framework for scheduling in a stochastic environment	Yes	[77]	2009	J. Sched.	30	??	1410
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[280]	2009	CPAIOR 2009	15	468	787
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[33]	2006	n/a	39	No	??
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[187]	2005	ICAPS 2005	9	411	830
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[161]	2000	AIPS 2000	10	390	872

D.15 Works by Nysret Musliu

Table 38: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
LacknerMMWW23 LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Exact methods for the Oven Scheduling Problem	Yes	[284]	2023	Constraints An Int. J.	42	1172	1275
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[490]	2022	CP 2022	18	576	619
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[178]	2021	CPAIOR 2021	10	403	627
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[181]	2021	AAAI 2021	9	405	628

Table 38: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[283]	2021	CP 2021	18	470	633
GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[180]	2019	CPAIOR 2019	16	404	651
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	[179]	2019	CoRR	16	1259	1334
MusliuSS18	N. Musliu, A. Schutt, Peter J. Stuckey	Solver Independent Rotating Workforce Scheduling	Yes	[346]	2018	CPAIOR 2018	17	507	667
KletzanderM17 KletzanderM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[260]	2017	CPAIOR 2017	15	457	679

D.16 Works by John N. Hooker

Table 39: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[235]	2017	CP 2017	14	440	678
HechingH16 HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[216]	2016	CPAIOR 2016	11	428	693
CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[115]	2013	CPAIOR 2013	7	368	738
CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes	[117]	2010	CPAIOR 2010	5	370	776
Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[234]	2006	Constraints An Int. J.	19	1157	1424
Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[232]	2005	Constraints An Int. J.	17	1156	1428
Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[233]	2005	CP 2005	14	439	832
Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[231]	2004	CP 2004	12	438	843
HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[236]	2002	CP 2002	5	441	864

D.17 Works by Claude-Guy Quimper

Table 40: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling	Yes	[98]	2022	CP 2022	16	356	607
OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[365]	2022	CPAIOR 2022	17	515	613
Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[332]	2020	CPAIOR 2020	13	497	639
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	[154]	2018	Constraints An Int. J.	22	1133	1337

Table 40: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
KameugneFGOQ18	R. Kameugne, Séverine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[248]	2018	CPAIOR 2018	17	449	665
OuelletQ18 OuelletQ18	Y. Ouellet, C. Quimper	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning	Yes	[364]	2018	CPAIOR 2018	18	514	670
GingrasQ16 GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[186]	2016	IJCAI 2016	7	410	692
BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[76]	2014	CPAIOR 2014	16	342	723
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[363]	2013	CP 2013	16	513	744

D.18 Works by Pierre Schaus

Table 41: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
CappartS17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[107]	2017	CPAIOR 2017	16	360	674
CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[110]	2016	CP 2016	16	363	689
DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[133]	2015	CP 2015	16	376	706
GayHLS15 GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	Yes	[173]	2015	CP 2015	9	399	708
GayHS15 GayHS15	S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint	Yes	[174]	2015	CP 2015	9	400	709
GayHS15a GayHS15a	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[175]	2015	CPAIOR 2015	16	401	710
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[176]	2014	CP 2014	15	402	731
HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[237]	2014	CP 2014	16	442	732
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	[403]	2011	Constraints An Int. J.	23	1219	1399

D.19 Works by Tony T. Tran

Table 42: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
TranPZLDB18	Tony T. Tran, M. Padmanabhan, Peter Yun	Multi-stage resource-aware scheduling for data centers	Yes	[455]	2018	J. Sched.	17	??	1347
TranPZLDB18	Zhang, H. Li, Douglas G. Down, J. Christopher Beck	with heterogeneous servers							

Table 42: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
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	[457]	2017	J. Artif. Intell. Res.	68	??	1351
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	[458]	2017	IJCAI 2017	5	??	684
TranAB16 TranAB16	Tony T. Tran, A. Araujo, J. Christopher Beck	Decomposition Methods for the Parallel Machine Scheduling Problem with Setups	No	[452]	2016	INFORMS J. Comput.	13	No	1359
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	[454]	2016	SOCS 2016	9	??	701
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	[459]	2016	AAAI 2016	9	??	702
TerekhovTDB14 TerekhovTDB14	D. Terekhov, Tony T. Tran, Douglas G. Down, J. Christopher Beck	Integrating Queueing Theory and Scheduling for Dynamic Scheduling Problems	Yes	[442]	2014	J. Artif. Intell. Res.	38	??	1376
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	[456]	2013	ICAPS 2013	9	??	747
TranB12 TranB12	Tony T. Tran, J. Christopher Beck	Logic-based Benders Decomposition for Alternative Resource Scheduling with Sequence Dependent Setups	Yes	[453]	2012	ECAI 2012	6	??	759

D.20 Works by Pascal Van Hentenryck

Table 43: Works from bibtex (Total 9)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
FontaineMH16 FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[162]	2016	CPAIOR 2016	11	391	690
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[152]	2015	CP 2015	18	389	707
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[153]	2015	CoRR	16	1132	1362
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	[403]	2011	Constraints An Int. J.	23	1219	1399
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[336]	2009	ICAPS 2009	8	500	789
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[143]	2008	CPAIOR 2008	16	382	796
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[227]	2008	CPAIOR 2008	5	433	797
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[226]	2004	CPAIOR 2004	16	432	842
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[142]	1990	J. Log. Program.	19	1129	1462

D.21 Works by Philippe Baptiste

Table 44: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[32]	2018	Discret. Appl. Math.	10	1104	1335
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[31]	2009	CP 2009	1	324	785
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[33]	2006	n/a	39	No	??
ArtiouchineB05 ArtiouchineB05	K. Artiouchine, P. Baptiste	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs	Yes	[21]	2005	CP 2005	15	320	822
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[35]	2000	Constraints An Int. J.	21	1105	1441
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[370]	1998	Constraints An Int. J.	25	1205	1453
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[34]	1997	CP 1997	15	326	879
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[369]	1997	PACT 1997	20	No	883

D.22 Works by Mats Carlsson

Table 45: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
WessenCS20 WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Yes	[488]	2020	CPAIOR 2020	10	575	643
MossigeGSMC17 MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[339]	2017	CP 2017	18	501	682
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[291]	2015	Constraints An Int. J.	52	1174	1366
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[290]	2013	CPAIOR 2013	16	474	742
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[289]	2012	CP 2012	16	473	754
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[65]	2011	Ann. Oper. Res.	24	1113	1392
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[66]	2008	CPAIOR 2008	15	336	795
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[64]	2002	CP 2002	17	335	861

D.23 Works by Helmut Simonis

Table 46: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
ArmstrongGOS22	E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	Yes	[16]	2022	CPAIOR 2022	13	317	606
ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[15]	2021	CP 2021	18	316	623
GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[200]	2014	Sustain. Comput. Informatics Syst.	16	1145	1373
IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[239]	2012	CP 2012	16	443	753
Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[424]	2007	Constraints An Int. J.	30	1227	1423
Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[423]	1995	CP 1995	4	544	889
SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[425]	1995	CP 1995	14	545	890
DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[142]	1990	J. Log. Program.	19	1129	1462

D.24 Works by Mark Wallace

Table 47: Works from bibtex (Total 8)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
WallaceY20	M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem	Yes	[483]	2020	Constraints An Int. J.	19	1240	1323
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	[212]	2018	CP 2018	18	425	663
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	[446]	2014	J. Heuristics	34	1232	1377
SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[408]	2009	CP 2009	16	537	790
SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[402]	2000	Constraints An Int. J.	30	1218	1446
RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[394]	1998	CP 1998	15	531	878
Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[482]	1996	Constraints An Int. J.	30	1239	1458
Wallace94	M. Wallace	Applying Constraints for Scheduling	No	[481]	1994	Constraint Programming 1994	19	No	894

D.25 Works by Thibaut Feydy

Table 48: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[498]	2017	CP 2017	10	582	685
SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[407]	2013	CP 2013	17	535	745

Table 48: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[406]	2013	CPAIOR 2013	17	536	746
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[411]	2013	J. Sched.	17	1222	1382
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[410]	2011	Constraints An Int. J.	33	1221	1400
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	[409]	2010	CoRR	37	1255	1409
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[408]	2009	CP 2009	16	537	790

D.26 Works by Zdenek Hanzálek

Table 49: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	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	[328]	2023	APMS 2023	14	495	598
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	[224]	2023	CoRR	42	1262	1281
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	[223]	2022	Comput. Ind. Eng.	16	1152	1291
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[480]	2021	Comput. Ind. Eng.	14	1238	1308
BenediktMH20 BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	Yes	[70]	2020	Constraints An Int. J.	19	1115	1314
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[71]	2018	CPAIOR 2018	10	339	661
KelbelH11 KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[254]	2011	J. Intell. Manuf.	10	1162	1396

D.27 Works by András Kovács

Table 50: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[267]	2011	Constraints An Int. J.	24	1167	1397

Table 50: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
KovacsK11 KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[269]	2011	Constraints An Int. J.	24	1168	1398
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[266]	2008	Eng. Appl. Artif. Intell.	7	1166	1417
KovacsB07 KovacsB07	A. Kovács, J. Christopher Beck	A Global Constraint for Total Weighted Completion Time	Yes	[265]	2007	CPAIOR 2007	15	??	809
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[271]	2006	CPAIOR 2006	13	463	818
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[268]	2005	CP 2005	1	460	833
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[270]	2004	CP 2004	15	462	844

D.28 Works by Gabriela P. Henning

Table 51: Works from bibtex (Total 7)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	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	[355]	2016	Comput. Chem. Eng.	17	1197	1358
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[359]	2014	Expert Syst. Appl.	14	1201	1375
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	[358]	2012	Comput. Chem. Eng.	17	1200	1387
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[357]	2010	Comput. Chem. Eng.	20	1199	1407
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	[505]	2010	Eng. Appl. Artif. Intell.	20	1249	1408
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[391]	2005	ICRA 2005	6	528	835
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[504]	2005	Inteligencia Artif.	10	1248	1430

D.29 Works by Stefan Heinz

Table 52: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[219]	2013	CPAIOR 2013	16	430	740
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[222]	2013	Constraints An Int. J.	36	1153	1380
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[218]	2012	CPAIOR 2012	17	429	752
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[220]	2012	Constraints An Int. J.	12	1154	1383
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[221]	2011	SEA 2011	10	431	767
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	[75]	2010	CPAIOR 2010	5	341	775

D.30 Works by Claude Le Pape

Table 53: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[33]	2006	n/a	39	No	??
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[35]	2000	Constraints An Int. J.	21	1105	1441
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[361]	1998	J. Heuristics	16	1202	1452
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[370]	1998	Constraints An Int. J.	25	1205	1453
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[34]	1997	CP 1997	15	326	879
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[369]	1997	PACT 1997	20	No	883

D.31 Works by Emmanuel Poder

Table 54: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[65]	2011	Ann. Oper. Res.	24	1113	1392
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[376]	2009	CoRR	12	1254	1415

Table 54: Works from bibtex (Total 6)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[66]	2008	CPAIOR 2008	15	336	795
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[377]	2008	ICAPS 2008	8	521	801
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	Yes	[67]	2007	CPAIOR 2007	15	337	804
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	[378]	2004	Eur. J. Oper. Res.	16	1206	1431

D.32 Works by Yves Deville

Table 55: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
DejemeppeD14 DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[134]	2014	CPAIOR 2014	9	377	726
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[237]	2014	CP 2014	16	442	732
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 CBL	Yes	[403]	2011	Constraints An Int. J.	23	1219	1399
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[336]	2009	ICAPS 2009	8	500	789
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[335]	2007	CPAIOR 2007	14	499	812

D.33 Works by Mark G. Wallace

Table 56: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
SchuttFSW13 SchuttFSW13	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving RCPSP/max by lazy clause generation	Yes	[411]	2013	J. Sched.	17	1222	1382
GuSW12 GuSW12	H. Gu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value of Large Resource-Constrained Projects	Yes	[205]	2012	CP 2012	15	423	751
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[405]	2012	CPAIOR 2012	17	534	756
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[410]	2011	Constraints An Int. J.	33	1221	1400

Table 56: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
abs-1009-0347 abs-1009-0347	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Solving the Resource Constrained Project Scheduling Problem with Generalized Precedences by Lazy Clause Generation	Yes	[409]	2010	CoRR	37	1255	1409

D.34 Works by Diarmuid Grimes

Table 57: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
GrimesH15 GrimesH15	D. Grimes, E. Hebrard	Solving Variants of the Job Shop Scheduling Problem Through Conflict-Directed Search	No	[198]	2015	INFORMS J. Comput.	17	No	1364
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O’Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[200]	2014	Sustain. Comput. Informatics Syst.	16	1145	1373
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[197]	2011	CP 2011	17	417	766
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[196]	2010	CPAIOR 2010	15	416	778
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[199]	2009	CP 2009	9	418	786

D.35 Works by Roger Kameugne

Table 58: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
KameugneFND23 KameugneFND23	R. Kameugne, Séverine Betmbe Fetgo, T. Noulamo, Clémentin Tayou Djamégni	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	Yes	[249]	2023	CP 2023	17	450	596
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Séverine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[248]	2018	CPAIOR 2018	17	449	665
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[247]	2015	Constraints An Int. J.	2	1160	1365
KameugneFSN14 KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[251]	2014	Constraints An Int. J.	27	1161	1374
KameugneFSN11 KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[250]	2011	CP 2011	15	451	769

D.36 Works by Juan M. Novas

Table 59: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[356]	2019	Comput. Ind. Eng.	13	1198	1328
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	[355]	2016	Comput. Chem. Eng.	17	1197	1358
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[359]	2014	Expert Syst. Appl.	14	1201	1375
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	[358]	2012	Comput. Chem. Eng.	17	1200	1387
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[357]	2010	Comput. Chem. Eng.	20	1199	1407

D.37 Works by Wim Nuijten

Table 60: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BaptisteLPN06 BaptisteLPN06	P. Baptiste, P. Laborie, Claude Le Pape, W. Nuijten	Constraint-Based Scheduling and Planning	No	[33]	2006	n/a	39	No	??
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[187]	2005	ICAPS 2005	9	411	830
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[161]	2000	AIPS 2000	10	390	872
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[426]	2000	INFORMS J. Comput.	12	1228	1448
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[361]	1998	J. Heuristics	16	1202	1452

D.38 Works by Louis-Martin Rousseau

Table 61: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
DoulabiRP16 DoulabiRP16	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling	Yes	[145]	2016	INFORMS J. Comput.	17	1130	1355
PesantRR15 PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	Yes	[375]	2015	CPAIOR 2015	16	520	716
DoulabiRP14 DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[144]	2014	CPAIOR 2014	9	383	729
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[112]	2011	CPAIOR 2011	6	365	763

Table 61: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
HachemiGR11 HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[207]	2011	Ann. Oper. Res.	16	1148	1394

D.39 Works by Marek Vlk

Table 62: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	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	[224]	2023	CoRR	42	1262	1281
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	[223]	2022	Comput. Ind. Eng.	16	1152	1291
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[480]	2021	Comput. Ind. Eng.	14	1238	1308
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[71]	2018	CPAIOR 2018	10	339	661
BartakV15 BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	Yes	[44]	2015	ICAART 2015	12	330	703

D.40 Works by Armin Wolf

Table 63: Works from bibtex (Total 5)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	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	[182]	2022	CPAIOR 2022	18	406	608
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[413]	2010	CP 2010	15	539	781
SchuttWS05 SchuttWS05	A. Schutt, A. Wolf, G. Schrader	Not-First and Not-Last Detection for Cumulative Scheduling in $O(n^3 \log n)$	Yes	[414]	2005	INAP 2005	15	540	836
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[492]	2005	INAP 2005	14	578	838
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[491]	2003	CP 2003	15	577	858