CP Papers on Scheduling

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1 Introduction

Table 1: Key Overview

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Table 1: Key Overview

2 Conference Paper List

Table 2: Papers from bibtex (Total 274)

Key	Authors	Title	LC	Cite	Year	Conference	Pages
AalianPG23 AalianPG23	Y. Aalian, G. Pesant, M. Gamache	Optimization of Short-Term Underground Mine Planning Using Constraint Programming	Yes	[1]	2023	CP 2023	16
Bit-Monnot23 Bit-Monnot23	A. Bit-Monnot	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	Yes	[58]	2023	ECAI 2023	8
EfthymiouY23 EfthymiouY23	N. Efthymiou, N. Yorke-Smith	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	Yes	[117]	2023	CPAIOR 2023	16
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Pre-emptive Job Shop Scheduling	Yes	[199]	2023	CP 2023	16
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[200]	2023	CPAIOR 2023	16
KameugneFND23 KameugneFND23	R. Kameugne, Sévérine Betmbe Fetgo, T. Noulamo, Clémentin Tayou Djamégni	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	Yes	[204]	2023	CP 2023	17
KimCMLLP23 KimCM-LLP23	D. Kim, Y. Choi, K. Moon, M. Lee, K. Lee, Michael L. Pinedo	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Yes	[213]	2023	CPAIOR 2023	16
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	[275]	2023	APMS 2023	14
PerezGSL23 PerezGSL23	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	Yes	[315]	2023	ICTAI 2023	7
PovedaAA23 PovedaAA23	G. Povéda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	Yes	[325]	2023	CP 2023	21
SquillaciPR23 SquillaciPR23	S. Squillaci, C. Pralet, S. Roussel	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Yes	[363]	2023	CPAIOR 2023	17
TardivoDFMP23 TardivoDFMP23	F. Tardivo, A. Dovier, A. Formisano, L. Michel, E. Pontelli	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	Yes	[371]	2023	CPAIOR 2023	18
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	[372]	2023	ICAPS 2023	9
WangB23 WangB23	R. Wang, N. Barnier	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	Yes	[408]	2023	ICTAI 2023	8
YuraszeckMC23 YuraszeckMC23	F. Yuraszeck, G. Mejía, D. Canut-de-Bon	A competitive constraint programming approach for the group shop scheduling problem	Yes	[422]	2023	ANT 2023	6
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
BoudreaultSLQ22 BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling	Yes	[74]	2022	CP 2022	16
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	[148]	2022	CPAIOR 2022	18
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	[243]	2022	ICNSC 2022	6
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[307]	2022	CPAIOR 2022	17
OujanaAYB22 OujanaAYB22	S. Oujana, L. Amodeo, F. Yalaoui, D. Brodart	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	Yes	[308]	2022	CoDIT 2022	6
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	[323]	2022	CP 2022	15
Teppan22 Teppan22	Erich Christian Teppan	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	Yes	[375]	2022	ICAART 2022	8
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	[382]	2022	ICAART 2022	8

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
WinterMMW22 Winter-MMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[413]	2022	CP 2022	18
ZhangJZL22 ZhangJZL22	H. Zhang, Y. Ji, Z. Zhao, S. Liu	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	Yes	[427]	2022	ICNSC 2022	6
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
ArmstrongGOS21 ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[15]	2021	CP 2021	18
Astrand0F21 Astrand0F21	M. Åstrand, M. Johansson, Hamid Reza Feyzmahdavian	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	Yes	[22]	2021	CPAIOR 2021	18
BenderWS21 BenderWS21	T. Bender, D. Wittwer, T. Schmidt	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	Yes	[49]	2021	ICCL 2021	16
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[144]	2021	CPAIOR 2021	10
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[147]	2021	AAAI 2021	9
HanenKP21 HanenKP21	C. Hanen, Alix Munier Kordon, T. Pedersen	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Yes	[170]	2021	CPAIOR 2021	17
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	[186]	2021	CPAIOR 2021	19
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	[214]	2021	CPAIOR 2021	16
KovácsTKSG21 KovácsTKSG21	B. Kovács, P. Tassel, W. Kohlenbrein, P. Schrott-Kostwein, M. Gebser	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Yes	[226]	2021	CP 2021	17
LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[234]	2021	CP 2021	18
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	[38]	2020	Fog-IoT 2020	9
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	[154]	2020	AAAI 2020	8
GroleazNS20 GroleazNS20	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	Solving the Group Cumulative Scheduling Problem with CPO and ACO	Yes	[165]	2020	CP 2020	17
GroleazNS20a GroleazNS20a	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	Yes	[164]	2020	GECCO 2020	9
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[278]	2020	CPAIOR 2020	13
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[294]	2020	CP 2020	16
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[369]	2020	CPAIOR 2020	16
WangB20 WangB20	R. Wang, N. Barnier	Global Propagation of Transition Cost for Fixed Job Scheduling	Yes	[407]	2020	ECAI 2020	8
WessenCS20 WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Yes	[411]	2020	CPAIOR 2020	10
BadicaBIL19 BadicaBIL19	A. Badica, C. Badica, M. Ivanovic, D. Logofatu	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	Yes	[26]	2019	IDC 2019	11
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	[42]	2019	ICRA 2019	7
BogaerdtW19 BogaerdtW19	Pim van den Bogaerdt, Mathijs de Weerdt	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	Yes	[388]	2019	CPAIOR 2019	16

Table 2: Papers from bibtex (Total 274)

Key	Authors	Title	LC	Cite	Year	Conference	Pages
ColT19 ColT19	Giacomo Da Col, Erich Christian Teppan	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	Yes	[93]	2019	CP 2019	17
FrimodigS19 FrimodigS19	S. Frimodig, C. Schulte	Models for Radiation Therapy Patient Scheduling	Yes	[132]	2019	CP 2019	17
FrohnerTR19 FrohnerTR19	N. Frohner, S. Teuschl, Günther R. Raidl	Casual Employee Scheduling with Constraint Programming and Metaheuristics	Yes	[133]	2019	EUROCAST 2019	9
GalleguillosKSB19 GalleguillosKSB19	C. Galleguillos, Z. Kiziltan, A. Sîrbu, Özalp Babaoglu	Constraint Programming-Based Job Dispatching for Modern HPC Applications	Yes	[135]	2019	CP 2019	18
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[146]	2019	CPAIOR 2019	16
LiuLH19 LiuLH19	K. Liu, S. Löffler, P. Hofstedt	Solving the Talent Scheduling Problem by Parallel Constraint Programming	Yes	[250]	2019	AIAI 2019	9
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[269]	2019	CPAIOR 2019	17
MurinR19 MurinR19	S. Murín, H. Rudová	Scheduling of Mobile Robots Using Constraint Programming	Yes	[288]	2019	CP 2019	16
ParkUJR19 ParkUJR19	H. Park, J. Um, J. Jung, M. Ruskowski	Developing a Production Scheduling System for Modular Factory Using Constraint Programming	Yes	[313]	2019	RAAD 2019	8
Tom19 Tom19	M. Tom	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling	Yes	[380]	2019	FUZZ-IEEE 2019	6
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[419]	2019	CPAIOR 2019	10
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
AstrandJZ18 AstrandJZ18	M. Åstrand, M. Johansson, A. Zanarini	Fleet Scheduling in Underground Mines Using Constraint Programming	Yes	[23]	2018	CPAIOR 2018	9
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[51]	2018	CPAIOR 2018	10
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[106]	2018	CPAIOR 2018	18
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	[172]	2018	CP 2018	18
HoYCLLCLC18 HoYCLLCLC18	T. Ho, J. Yao, Y. Chang, F. Lai, J. Lai, S. Chu, W. Liao, H. Chiu	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints	Yes	[187]	2018	AICCC 2018	6
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	[203]	2018	CPAIOR 2018	17
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[232]	2018	CPAIOR 2018	9
NishikawaSTT18 NishikawaSTT18	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Fork-Join Tasks with Constraint Programming	Yes	[296]	2018	CANDAR 2018	6
NishikawaSTT18a NishikawaSTT18a	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Tasks Based on Constraint Programming	Yes	[297]	2018	TENCON 2018	6
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	[306]	2018	CPAIOR 2018	18
RiahiNS018 RiahiNS018	V. Riahi, M. A. Hakim Newton, K. Su, A. Sattar	Local Search for Flowshops with Setup Times and Blocking Constraints	Yes	[335]	2018	ICAPS 2018	9
Tesch18 Tesch18	A. Tesch	Improving Energetic Propagations for Cumulative Scheduling	Yes	[377]	2018	CP 2018	17
BofillCSV17 BofillCSV17	M. Bofill, J. Coll, J. Suy, M. Villaret	An Efficient SMT Approach to Solve MRCPSP/max Instances with Tight Constraints on Resources	Yes	[60]	2017	CP 2017	9
CappartS17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[83]	2017	CPAIOR 2017	16

Table 2: Papers from bibtex (Total 274)

Key	Authors	Title	LC	Cite	Year	Conference	Pages
GelainPRVW17 Gelain-PRVW17	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	[149]	2017	CPAIOR 2017	16
GoldwaserS17 GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[157]	2017	CP 2017	16
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[192]	2017	CP 2017	14
KletzanderM17 Kletzan-derM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[215]	2017	CPAIOR 2017	15
LiuCGM17 LiuCGM17	T. Liu, Roberto Di Cosmo, M. Gabbrielli, J. Mauro	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Yes	[251]	2017	CP 2017	17
Madi-WambaLOBM17 Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Green Energy Aware Scheduling Problem in Virtualized Datacenters	Yes	[267]	2017	ICPADS 2017	8
MossigeGSMC17 MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[284]	2017	CP 2017	18
Pralet17 Pralet17	C. Pralet	An Incomplete Constraint-Based System for Scheduling with Renewable Resources	Yes	[326]	2017	CP 2017	19
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[420]	2017	CP 2017	10
BonfiettiZLM16 Bonfiet-tiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[70]	2016	CP 2016	17
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	[71]	2016	CP 2016	17
BridiLBBM16 BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[78]	2016	ECAI 2016	2
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[86]	2016	CP 2016	16
FontaineMH16 FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[128]	2016	CPAIOR 2016	11
GilesH16 GilesH16	K. Giles, Willem-Jan van Hoeve	Solving a Supply-Delivery Scheduling Problem with Constraint Programming	Yes	[151]	2016	CP 2016	16
GingrasQ16 GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[152]	2016	IJCAI 2016	7
HechingH16 HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[174]	2016	CPAIOR 2016	11
LimHTB16 LimHTB16	B. Lim, Hassan L. Hijazi, S. Thiébaux, Menkes van den Briel	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control	Yes	[246]	2016	CP 2016	18
Madi-WambaB16 Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[266]	2016	CPAIOR 2016	16
SchuttS16 SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[350]	2016	CP 2016	17
SzerediS16 SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[368]	2016	CP 2016	10
Tesch16 Tesch16	A. Tesch	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $\mathcal O(n^2 \log n)$	Yes	[376]	2016	CP 2016	27
BofillGSV15 Bofill-GSV15	M. Bofill, M. Garcia, J. Suy, M. Villaret	MaxSAT-Based Scheduling of B2B Meetings	Yes	[62]	2015	CPAIOR 2015	9
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	[80]	2015	CPAIOR 2015	17
DejemeppeCS15 Deje-meppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	Yes	[103]	2015	CP 2015	16
EvenSH15 EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	Yes	[122]	2015	CP 2015	18
GayHLS15 GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	Yes	[139]	2015	CP 2015	9
GayHS15 GayHS15	S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint	Yes	[140]	2015	CP 2015	9
KreterSS15 KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars	Yes	[227]	2015	CP 2015	17

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
LimBTBB15 LimBTBB15	B. Lim, Menkes van den Briel, S. Thiébaux, R. Bent, S. Backhaus	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings	Yes	[247]	2015	CPAIOR 2015	15
LombardiBM15 LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	Yes	[253]	2015	CP 2015	16
MelgarejoLS15 MelgarejoLS15	P. Aguiar-Melgarejo, P. Laborie, C. Solnon	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems	Yes	[7]	2015	CPAIOR 2015	17
MurphyMB15 MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System	Yes	[289]	2015	CP 2015	17
PesantRR15 PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	Yes	[317]	2015	CPAIOR 2015	16
PraletLJ15 PraletLJ15	C. Pralet, S. Lemai-Chenevier, J. Jaubert	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search	Yes	[327]	2015	CP 2015	16
SialaAH15 SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	Yes	[357]	2015	CP 2015	10
VilimLS15 VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	Yes	[402]	2015	CPAIOR 2015	17
ZhouGL15 ZhouGL15	J. Zhou, Y. Guo, G. Li	On complex hybrid flexible flowshop scheduling problems based on constraint programming	Yes	[433]	2015	FSKD 2015	5
cpaior-GayHS15 cpaior-GayHS15	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	Yes	[141]	2015	CPAIOR 2015	16
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	[110]	2014	CP 2014	18
BartoliniBBLM14 BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer	Yes	[37]	2014	CP 2014	16
BessiereHMQW14 BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	Yes	[56]	2014	CPAIOR 2014	16
BofillEGPSV14 BofillEGPSV14	M. Bofill, J. Espasa, M. Garcia, M. Palahí, J. Suy, M. Villaret	Scheduling B2B Meetings	Yes	[61]	2014	CP 2014	16
BonfiettiLM14 BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	Yes	[68]	2014	CPAIOR 2014	16
DejemeppeD14 DejemeppeD14	C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	Yes	[104]	2014	CPAIOR 2014	9
DerrienP14 DerrienP14	A. Derrien, T. Petit	A New Characterization of Relevant Intervals for Energetic Reasoning	Yes	[108]	2014	CP 2014	9
DerrienPZ14 DerrienPZ14	A. Derrien, T. Petit, S. Zampelli	A Declarative Paradigm for Robust Cumulative Scheduling	Yes	[109]	2014	CP 2014	9
DoulabiRP14 DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[114]	2014	CPAIOR 2014	9
FriedrichFMRSST14 FriedrichFMRSST14	G. Friedrich, M. Frühstück, V. Mersheeva, A. Ryabokon, A. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	No	[131]	2014	GOR 2014	7
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[142]	2014	CP 2014	15
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[194]	2014	CP 2014	16
KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[219]	2014	CPAIOR 2014	16
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[67]	2013	ICAPS 2013	5
CireCH13 CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[90]	2013	CPAIOR 2013	7
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	[167]	2013	CPAIOR 2013	7
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[176]	2013	CPAIOR 2013	16

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
KelarevaTK13 KelarevaTK13	E. Kelareva, K. Tierney, P. Kilby	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	Yes	[208]	2013	CPAIOR 2013	17
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the *k-dimensional cumulative* Constraint	Yes	[241]	2013	CPAIOR 2013	16
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[260]	2013	ICAPS 2013	2
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[305]	2013	CP 2013	16
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[347]	2013	CP 2013	17
cpaior-SchuttFS13 cpaior-SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[346]	2013	CPAIOR 2013	17
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[57]	2012	CPAIOR 2012	15
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[65]	2012	CPAIOR 2012	16
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[69]	2012	DC SIAAI 2012	3
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[175]	2012	CPAIOR 2012	17
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[196]	2012	CP 2012	16
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[240]	2012	CP 2012	16
RendlPHPR12 RendlPHPR12	A. Rendl, M. Prandtstetter, G. Hiermann, J. Puchinger, Günther R. Raidl	Hybrid Heuristics for Multimodal Homecare Scheduling	Yes	[334]	2012	CPAIOR 2012	17
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[345]	2012	CPAIOR 2012	17
SerraNM12 SerraNM12	T. Serra, G. Nishioka, Fernando J. M. Marcellino	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach	Yes	[352]	2012	CP 2012	17
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[358]	2012	CP 2012	15
ZhangLS12 ZhangLS12	X. Zhang, Z. Lv, X. Song	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method	Yes	[430]	2012	CIT 2012	4
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[64]	2011	CP 2011	15
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[88]	2011	CPAIOR 2011	6
ClercqPBJ11 ClercqPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[91]	2011	CP 2011	16
EdisO11 EdisO11	Emrah B. Edis, C. Oguz	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach	Yes	[116]	2011	CPAIOR 2011	7
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[161]	2011	CP 2011	17
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[178]	2011	SEA 2011	10
HermenierDL11 HermenierDL11	F. Hermenier, S. Demassey, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[185]	2011	CP 2011	15
KameugneFSN11 KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[205]	2011	CP 2011	15
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	[236]	2011	CPAIOR 2011	14
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[254]	2011	CPAIOR 2011	17
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[399]	2011	CPAIOR 2011	16

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ZibranR11 ZibranR11	Minhaz F. Zibran, Chanchal K. Roy	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach	Yes	[435]	2011	ICPC 2011	4
ZibranR11a ZibranR11a	Minhaz F. Zibran, Chanchal K. Roy	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring	Yes	[436]	2011	SCAM 2011	10
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	[55]	2010	CPAIOR 2010	5
CobanH10 CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes	[92]	2010	CPAIOR 2010	5
Davenport10 Davenport10	Andrew J. Davenport	Integrated Maintenance Scheduling for Semiconductor Manufacturing	Yes	[98]	2010	CPAIOR 2010	5
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[160]	2010	CPAIOR 2010	15
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[257]	2010	CP 2010	15
MakMS10 MakMS10	K. Mak, J. Ma, W. Su	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems	Yes	[268]	2010	ICNC 2010	5
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[351]	2010	CP 2010	15
SunLYL10 SunLYL10	Z. Sun, H. Li, M. Yao, N. Li	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming	Yes	[366]	2010	GreenCom 2010	6
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
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
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[27]	2009	CP 2009	1
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[162]	2009	CP 2009	9
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[231]	2009	CPAIOR 2009	15
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[255]	2009	CP 2009	15
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[281]	2009	ICAPS 2009	8
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[348]	2009	CP 2009	16
ThiruvadyBME09 ThiruvadyBME09	Dhananjay R. Thiruvady, C. Blum, B. Meyer, Andreas T. Ernst	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling	Yes	[378]	2009	HM 2009	15
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n){\mathcal O}(kn {\rm log} n)$	Yes	[397]	2009	CP 2009	15
cpaior-Vilim09 cpaior-Vilim09	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[398]	2009	CPAIOR 2009	15
BarlattCG08 BarlattCG08	A. Barlatt, Amy Mainville Cohn, Oleg Yu. Gusikhin	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems	Yes	[33]	2008	CPAIOR 2008	5
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[46]	2008	CPAIOR 2008	15
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[113]	2008	CPAIOR 2008	16
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[184]	2008	CPAIOR 2008	5
LauLN08 LauLN08	Hoong Chuin Lau, Kong Wei Lye, Viet Bang Nguyen	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)	Yes	[238]	2008	CPAIOR 2008	5
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	[286]	2008	CP 2008	16

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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	[285]	2008	CSE 2008	8
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[319]	2008	ICAPS 2008	8
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[410]	2008	CPAIOR 2008	15
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	[387]	2007	CPAIOR 2007	15
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources *cumulative* Constraint with Positive-Negative Resource Consumption-Production	Yes	[47]	2007	CPAIOR 2007	15
DavenportKRSH07 DavenportKRSH07	Andrew J. Davenport, J. Kalagnanam, C. Reddy, S. Siegel, J. Hou	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing	Yes	[99]	2007	CP 2007	13
GarganiR07 GarganiR07	A. Gargani, P. Refalo	An Efficient Model and Strategy for the Steel Mill Slab Design Problem	Yes	[136]	2007	CP 2007	13
HoeveGSL07 HoeveGSL07	Willem Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[390]	2007	AAAI 2007	6
KeriK07 KeriK07	A. Kéri, T. Kis	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method	Yes	[210]	2007	CPAIOR 2007	14
KrogtLPHJ07 KrogtLPHJ07	Roman van der Krogt, J. Little, K. Pulliam, S. Hanhilammi, Y. Jin	Scheduling for Cellular Manufacturing	Yes	[389]	2007	CP 2007	13
Limtanyakul07 Limtanyakul07	K. Limtanyakul	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming	Yes	[248]	2007	GOR 2007	6
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[280]	2007	CPAIOR 2007	14
RossiTHP07 RossiTHP07	R. Rossi, A. Tarim, B. Hnich, Steven D. Prestwich	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost	Yes	[337]	2007	CPAIOR 2007	15
BeniniBGM06 BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[52]	2006	CPAIOR 2006	15
GomesHS06 GomesHS06	Carla P. Gomes, Willem Jan van Hoeve, B. Selman	Constraint Programming for Distributed Planning and Scheduling	Yes	[159]	2006	AAAI 2006	2
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	[212]	2006	CP 2006	13
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[225]	2006	CPAIOR 2006	13
LiuJ06 LiuJ06	Y. Liu, Y. Jiang	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming	Yes	[252]	2006	PRICAI 2006	5
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	[332]	2006	SoC 2006	4
AbrilSB05 AbrilSB05	M. Abril, Miguel A. Salido, F. Barber	Distributed Constraints for Large-Scale Scheduling Problems	Yes	[3]	2005	CP 2005	1
ArtiouchineB05 ArtiouchineB05	K. Artiouchine, P. Baptiste	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs	Yes	[20]	2005	CP 2005	15
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[84]	2005	CP 2005	1
ChuX05 ChuX05	Y. Chu, Q. Xia	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems	Yes	[89]	2005	CPAIOR 2005	15
DilkinaDH05 DilkinaDH05	B. Dilkina, L. Duan, William S. Havens	Extending Systematic Local Search for Job Shop Scheduling Problems	Yes	[111]	2005	CP 2005	5
FortinZDF05 FortinZDF05	J. Fortin, P. Zielinski, D. Dubois, H. Fargier	Interval Analysis in Scheduling	Yes	[129]	2005	CP 2005	15
FrankK05 FrankK05	J. Frank, E. Kürklü	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations	Yes	[130]	2005	CPAIOR 2005	18

Table 2: Papers from bibtex (Total 274)

Key	Authors	Title	LC	Cite	Year	Conference	Pages
Geske05 Geske05	U. Geske	Railway Scheduling with Declarative Constraint Programming	Yes	[150]	2005	INAP 2005	18
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[173]	2005	CP 2005	1
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[222]	2005	CP 2005	1
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[333]	2005	ICRA 2005	6
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[396]	2005	CPAIOR 2005	14
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[415]	2005	INAP 2005	14
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[418]	2005	CP 2005	1
cp-Hooker05 cp-Hooker05	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[190]	2005	CP 2005	14
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
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[183]	2004	CPAIOR 2004	16
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[188]	2004	CP 2004	12
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[224]	2004	CP 2004	15
LimRX04 LimRX04	A. Lim, B. Rodrigues, Z. Xu	Solving the Crane Scheduling Problem Using Intelligent Search Schemes	Yes	[245]	2004	CP 2004	5
MaraveliasG04 MaraveliasG04	Christos T. Maravelias, Ignacio E. Grossmann	Using MILP and CP for the Scheduling of Batch Chemical Processes	Yes	[272]	2004	CPAIOR 2004	20
Sadykov04 Sadykov04	R. Sadykov	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem	Yes	[340]	2004	CPAIOR 2004	7
Vilim04 Vilim04	P. Vilím	O(n log n) Filtering Algorithms for Unary Resource Constraint	Yes	[395]	2004	CPAIOR 2004	13
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[400]	2004	CP 2004	15
VillaverdeP04 VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	No	[403]	2004	ISCA 2004	6
WolinskiKG04 WolinskiKG04	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures	Yes	[416]	2004	DSD 2004	8
WolinskiKG04a WolinskiKG04a	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A constraints programming approach to communication scheduling on SoPC architectures	No	[417]	2004	FPGA 2004	1
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	[96]	2003	CP 2003	5
Kumar03 Kumar03	T. K. Satish Kumar	Incremental Computation of Resource-Envelopes in Producer-Consumer Models	Yes	[230]	2003	CP 2003	15
OddiPCC03 OddiPCC03	A. Oddi, N. Policella, A. Cesta, G. Cortellessa	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem	Yes	[304]	2003	CP 2003	15
ValleMGT03 ValleMGT03	Carmelo Del Valle, Antonio A. Márquez, Rafael M. Gasca, M. Toro	On Selecting and Scheduling Assembly Plans Using Constraint Programming	Yes	[386]	2003	KES 2003	8
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[394]	2003	CP 2003	1
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[414]	2003	CP 2003	15
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[35]	2002	CP 2002	16
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[34]	2002	ERCIM/CologNet 2002	15
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[44]	2002	CP 2002	17

Table 2: Papers from bibtex (Total 274)

Key	Authors	Title	LC	Cite	Year	Conference	Pages
ElkhyariGJ02 ElkhyariGJ02	A. Elkhyari, C. Guéret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems	Yes	[118]	2002	CP 2002	6
ElkhyariGJ02a ElkhyariGJ02a	A. Elkhyari, C. Guéret, N. Jussien	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools	Yes	[119]	2002	PATAT 2002	24
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[193]	2002	CP 2002	5
KamarainenS02 KamarainenS02	O. Kamarainen, Hani El Sakkout	Local Probing Applied to Scheduling	Yes	[201]	2002	CP 2002	17
Muscettola02 Muscettola02	N. Muscettola	Computing the Envelope for Stepwise-Constant Resource Allocations	Yes	[290]	2002	CP 2002	16
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[393]	2002	CP 2002	1
ZhuS02 ZhuS02	Kenny Qili Zhu, Andrew E. Santosa	A Meeting Scheduling System Based on Open Constraint Programming	Yes	[434]	2002	CAiSE 2002	5
VanczaM01 VanczaM01	J. Váncza, A. Márkus	A Constraint Engine for Manufacturing Process Planning	Yes	[391]	2001	CP 2001	15
VerfaillieL01 VerfaillieL01	G. Verfaillie, M. Lemaître	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View	Yes	[392]	2001	CP 2001	15
AngelsmarkJ00 AngelsmarkJ00	O. Angelsmark, P. Jonsson	Some Observations on Durations, Scheduling and Allen's Algebra	Yes	[12]	2000	CP 2000	5
KorbaaYG99 KorbaaYG99	O. Korbaa, P. Yim, J. Gentina	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming	Yes	[217]	1999	ECC 1999	8
CestaOS98 CestaOS98	A. Cesta, A. Oddi, Stephen F. Smith	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints	Yes	[87]	1998	CP 1998	1
FrostD98 FrostD98	D. Frost, R. Dechter	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units	Yes	[134]	1998	CP 1998	1
GruianK98 GruianK98	F. Gruian, K. Kuchcinski	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming	Yes	[166]	1998	EUROMICRO 1998	8
PembertonG98 PembertonG98	Joseph C. Pemberton, Flavius Galiber III	A constraint-based approach to satellite scheduling	Yes	[314]	1998	DIMACS 1998	14
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[336]	1998	CP 1998	15
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[30]	1997	CP 1997	15
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research	Yes	[39]	1997	CP 1997	15
BoucherBVBL97 BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Schedulingt Problem	No	[73]	1997	PACT 1997	18
Caseau97 Caseau97	Y. Caseau	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel	Yes	[85]	1997	CP 1997	4
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[311]	1997	PACT 1997	20
BrusoniCLMMT96 BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[79]	1996	ISMIS 1996	10
Colombani96 Colombani96	Y. Colombani	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem	Yes	[94]	1996	CP 1996	15
Zhou96 Zhou96	J. Zhou	A Constraint Program for Solving the Job-Shop Problem	Yes	[431]	1996	CP 1996	15
Goltz95 Goltz95	H. Goltz	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling	Yes	[158]	1995	CP 1995	14
Puget95 Puget95	J. Puget	Applications of Constraint Programming	Yes	[329]	1995	CP 1995	4
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[360]	1995	CP 1995	4
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[362]	1995	CP 1995	14
Touraivane95 Touraivane95	Touraïvane	Constraint Programming and Industrial Applications	Yes	[383]	1995	CP 1995	3

Key	Authors	Title	LC	Cite	Year	Conference	Pages
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	[198]	1994	ILPS 1994	1
AggounB92 AggounB92	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	No	[5]	1992	JFPL 1992	1
BaptisteLV92 BaptisteLV92	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming	Yes	[32]	1992	ICRA 1992	6
ErtlK91 ErtlK91	M. Anton Ertl, A. Krall	Optimal Instruction Scheduling using Constraint Logic Programming	Yes	[120]	1991	PLILP 1991	12

Table 2: Papers from bibtex (Total 274)

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
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	
AbrilSB05 [3]	1	distributed, scheduling, multi-agent, order					railway			0	
Acuna-AgostMFG09 [4]	2	re-scheduling, order, scheduling, transportation					railway		Roadef	1	
AkkerDH07 [387]	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				0	
AlesioNBG14 [110]	18	preempt, job-shop, distributed, scheduling, completion-time, make-span, resource, open-shop, order, job, activity, task		alldifferent		OPL, Cplex	automotive		benchmark	2	
AngelsmarkJ00 [12]	5	resource, job, order, scheduling, task, job-shop								0	
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	automotive industry	gitlab, supplementary material	1	
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	0	
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	1	energetic reasoning
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	0	
AronssonBK09 [17]	13	job-shop, transportation, order, job, task		cumulative	Prolog	Cplex, CHIP	railway		real-world, real-life	0	sweep
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	0	edge-finding
ArtiouchineB05 [20]	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	0	not-last, edge-finding, not-first

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
Astrand0F21 [22]	18	resource, open-shop, task, machine, precedence, job-shop, make-span, order, job, activity, scheduling		cycle, disjunctive		Gecode	farming, forestry, robot, satellite, agriculture	potash industry, mining industry, mineral industry	benchmark, real-world, real-life, generated instance	0	
AstrandJZ18 [23]	9	resource, task, machine, make-span, order, activity, scheduling	single machine	disjunctive, cumulative, cycle		Gecode	hoist, robot	potash industry		0	time-tabling
BadicaBIL19 [26]	11	completion-time, resource, order, activity, machine, multi-agent, distributed, make-span, scheduling		cycle		ECLiPSe, Gecode			github	0	
Baptiste09 [27]	1	scheduling								0	
BaptisteLV92 [32]	6									0	
BaptisteP97 [30]	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	0	edge-finding, edge-finder
BarlattCG08 [33]	5	scheduling, resource, setup-time, job, task, machine, flow-shop, job-shop, transportation					automotive, pipeline		real-world	1	
Bartak02 [35]	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	0	edge-finding, time-tabling
Bartak02a [34]	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	0	time-tabling, edge-finding
BartoliniBBLM14 [37]	16	resource, tardiness, task, job, activity, make-span, machine, scheduling		alternative constraint, cumulative			super-computer			4	
BarzegaranZP20 [38]	9	re-scheduling, resource, distributed, machine, task, scheduling, order			Java	OR-Tools	automotive, robot			5	
BeckDF97 [39]	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	0	edge-finding
BehrensLM19 [42]	7	order, setup-time, resource, task, machine, distributed, multi-agent, scheduling, make-span			Python	OR-Tools, MiniZinc, OZ	robot		real-world, github	0	
BeldiceanuC02 [44]	17	order, producer/consumer, scheduling, machine, task, resource, activity	single machine	cumulative	Prolog	SICStus, CHIP, OZ	crew-scheduling		real-life, random instance, benchmark	0	sweep
BeldiceanuCP08 [46]	15	resource, task, scheduling, order		geost, cumulative, disjunctive	Prolog	SICStus, CHIP, OPL	rectangle-packing, perfect-square		benchmark	0	edge-finding, sweep

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
BeldiceanuP07 [47]	15	preempt, scheduling, release-date, task, resource, order, due-date		cumulative, disjunctive						0	sweep
BenderWS21 [49]	16	preempt, activity, task, order, machine, make-span, job, distributed, resource, setup-time, scheduling	RCPSP	noOverlap	Python		agriculture			9	
BenediktSMVH18 [51]	10	job-shop, scheduling, order, job, preempt, resource, machine	single machine, parallel machine	noOverlap		OZ, Gurobi	energy-price		github, random instance, generated instance	1	
BeniniBGM06 [52]	15	activity, task, distributed, tardiness, precedence, scheduling, make-span, resource, order, setup-time		cycle, cumulative		ECLiPSe, Cplex, Ilog Solver, OZ	automotive, pipeline		real-life	0	
BertholdHLMS10 [55]	5	precedence, scheduling, order, completion-time, job, resource, preempt	psplib, RCPSP	disjunctive, cumulative		Cplex, Z3				1	
BessiereHMQW14 [56]	16	scheduling, order, job, resource, setup-time, task, machine		alldifferent, cycle		Choco Solver	satellite	textile industry	benchmark, real-life	0	
BillautHL12 [57]	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	0	
Bit-Monnot23 [58]	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	1	
BofillCSV17 [60]	9	machine, preempt, cmax, lazy clause generation, precedence, scheduling, make-span, resource, order, activity	RCPSP, psplib	cumulative		Z3			benchmark	2	energetic reasoning
BofillEGPSV14 [61]	16	order, scheduling, lazy clause generation, machine, task				Cplex, Gecode, MiniZinc			industrial instance	6	time-tabling
BofillGSV15 [62]	9	machine, scheduling, order				Cplex			industrial instance	3	time-tabling
BogaerdtW19 [388]	16	scheduling, completion-time, order, setup-time, job, machine, job-shop, tardiness, precedence	single machine, parallel machine	noOverlap	C	OPL, Cplex	railway		benchmark	4	
BonfiettiLBM11 [64]	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	3	
BonfiettiLBM12 [65]	16	scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, job-shop	RCPSP	cumulative, cycle		Ilog Solver	hoist, robot		benchmark	3	time-tabling
BonfiettiLM13 [67]	5	make-span, job-shop, precedence, resource, activity, job, order, scheduling	RCPSP	cumulative, cycle		Cplex				0	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
BonfiettiLM14 [68]	16	make-span, machine, task, job-shop, precedence, open-shop, resource, activity, job, distributed, order, scheduling	RCPSP, psplib	cumulative					real-world, benchmark	2	
BonfiettiM12 [69]	3	job, task, precedence, job-shop, resource, activity, scheduling, machine	RCPSP	cumulative			hoist		industrial instance	0	
BonfiettiZLM16 [70]	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	1	edge-finder, sweep
BoothNB16 [71]	17	distributed, resource, scheduling, task, machine, precedence, order, activity, re-scheduling		disjunctive, cumulative, noOverlap	C++	Cplex	robot, medical		real-world	0	
BoudreaultSLQ22 [74]	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	9	not-last, energetic reasoning, edge-finding, not-first
BridiLBBM16 [78]	2	resource, task, machine, distributed, make-span, order, job, activity, scheduling								0	
BrusoniCLMMT96 [79]	10	resource, activity, precedence, task, distributed, due-date, job-shop, scheduling, order, job		disjunctive	Prolog		railway			0	
BurtLPS15 [80]	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	5	
CappartS17 [83]	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	1	
CarchraeBF05 [84]	1	scheduling, order, task, make-span								0	
Caseau97 [85]	4	preempt, make-span, order, scheduling, job, resource, job-shop, task		cumulative			robot		benchmark	0	edge-finding
CauwelaertDMS16 [86]	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	2	not-last, edge-finding, not-first
CestaOS98 [87]	1	resource, scheduling, job					robot			0	
ChapadosJR11 [88]	6	activity, scheduling, order, task		cycle, cumulative		OPL		retail industry		0	time-tabling

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
ChuX05 [89]	15	scheduling, machine, resource, job, release-date, order, due-date, completion-time	single machine	disjunctive, cumulative		ECLiPSe				0	
CireCH13 [90]	7	make-span, tardiness, scheduling, machine, job, resource, precedence, task, order		circuit, cumulative		OPL, Cplex, OZ				1	
ClercqPBJ11 [91]	16	resource, order, activity, due-date, release-date, distributed, precedence, scheduling, completion-time		alldifferent, cumulative	Java	CHIP, Choco Solver			benchmark	1	time-tabling, sweep, energetic reasoning, edge-finding
CobanH10 [92]	5	distributed, tardiness, job, preempt, re-scheduling, make-span, order, scheduling		circuit, disjunctive		OPL, Cplex				0	
ColT19 [93]	17	earliness, order, scheduling, precedence, make-span, machine, resource, job, job-shop	JSSP	noOverlap, disjunctive	Java	MiniZinc, CPO, OR-Tools			github, benchmark, real-world	2	
Colombani96 [94]	15	job, scheduling, resource, order, task, preempt, activity, due-date, machine, precedence, release-date, job-shop		disjunctive		CHIP				0	
DannaP03 [96]	5	machine, job, job-shop, activity, earliness, order, tardiness, scheduling, resource		disjunctive		Cplex, Ilog Solver, Ilog Scheduler			benchmark	0	
Davenport10 [98]	5	resource, release-date, tardiness, scheduling, completion-time, order, earliness, due-date				Cplex	semiconductor			0	
DavenportKRSH07 [99]	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		0	
DejemeppeCS15 [103]	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	4	not-last, not-first, edge-finding
DejemeppeD14 [104]	9	make-span, precedence, job-shop, resource, activity, setup-time, scheduling, order, job		cumulative				medical, patient	bitbucket	0	
DemirovicS18 [106]	18	scheduling, order, task, resource, activity, precedence		cumulative, disjunctive		MiniZinc, Gurobi, OZ			real-world, benchmark	5	time-tabling
DerrienP14 [108]	9	resource, scheduling, activity, order, make-span	psplib, CuSP	cumulative	Java	Choco Solver			random instance	0	sweep, edge-finding, energetic reasoning
DerrienPZ14 [109]	9	re-scheduling, make-span, scheduling, resource, order, job, activity, machine, precedence	RCPSP, CuSP	cumulative		Choco Solver, CHIP			benchmark, random instance, real-world	0	sweep
DilkinaDH05 [111]	5	machine, precedence, job-shop, make-span, job, scheduling, order				OPL				0	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
DoomsH08 [113]	16	scheduling, resource, completion-time, machine, job, job-shop, activity, task, order	RCPSP					services industry		0	
DoulabiRP14 [114]	9	activity, scheduling, due-date, resource, task, order		bin-packing		Cplex	nurse, medical, patient			0	
EdisO11 [116]	7	task, job, completion-time, activity, lateness, earliness, resource, make-span, scheduling, flow-time, preempt, tardiness, due-date, machine	parallel machine	bin-packing, noOverlap, cumulative		OPL, OZ, Cplex				0	
EfthymiouY23 [117]	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	
ElkhyariGJ02 [118]	6	resource, activity, precedence, scheduling, machine, due-date, preempt, make-span, re-scheduling, task	RCPSP	cumulative, disjunctive, table constraint						0	
ElkhyariGJ02a [119]	24	activity, re-scheduling, order, due-date, scheduling, task, precedence, open-shop, resource	RCPSP, psplib	cumulative, disjunctive		OZ, OPL			benchmark, real-life	0	time-tabling
ErtlK91 [120]	12	setup-time, resource, scheduling, order, machine, task		cycle	Prolog		pipeline		real-world, benchmark	0	
EvenSH15 [122]	18	preempt, transportation, order, scheduling, machine, distributed, resource, completion-time, task		disjunctive, cumulative		OPL, Choco Solver			real-life, real-world	0	sweep
FontaineMH16 [128]	11	order, machine, job, task, completion-time, make-span, job-shop, resource, precedence, scheduling	parallel machine	disjunctive		MiniZinc, Gurobi, CHIP			benchmark	2	
FortinZDF05 [129]	15	resource, order, task, activity, temporal constraint reasoning, precedence, make-span, scheduling	psplib							0	
FrankK05 [130]	18	order, scheduling, job, resource, due-date, task, precedence		cycle			satellite, aircraft		benchmark	0	
FrimodigS19 [132]	17	resource, order, task, machine, job-shop, job, scheduling		regular expression, cumulative, bin-packing	Python	Gecode, Cplex, MiniZinc, OZ	radiation therapy, medical, patient, nurse, physician		benchmark, real-world	1	
FrohnerTR19 [133]	9	scheduling, order, distributed			Java, Python	MiniZinc, Gecode, Gurobi	nurse		benchmark, real-world	0	
FrostD98 [134]	1	order, scheduling						power industry		0	
GalleguillosKSB19 [135]	18	re-scheduling, machine, distributed, resource, order, activity, job, scheduling, make-span	JSSP	cumulative, alternative constraint	Python	OR-Tools, OZ	super-computer, datacenter			5	
GarganiR07 [136]	13	order, machine, resource, inventory		bin-packing	C++	OPL	steel mill	steel industry	real-life, CSPlib	0	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
GayHLS15 [139]	9	precedence, task, order, make-span, resource, scheduling, activity	OSP, psplib, RCPSP	cumulative, disjunctive					benchmark, bitbucket	0	edge-finding, time-tabling
GayHS15 [140]	9	scheduling, precedence, resource, preempt, task, order		cumulative, table constraint, disjunctive		Choco Solver, OR-Tools, Gecode			bitbucket	2	time-tabling, sweep
GaySS14 [142]	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	0	sweep
GeibingerKKMMW21 [144	10	distributed, scheduling				MiniZinc, OR-Tools, Gurobi, Cplex, Gecode	nurse, physician, COVID, medical, patient	pharmaceutical industry	real-world	3	
GeibingerMM19 [146]	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	3	time-tabling
GeibingerMM21 [147]	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		real-life, github, generated instance, real-world, benchmark	0	time-tabling
GeitzGSSW22 [148]	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	8	not-last, sweep
GelainPRVW17 [149]	16	resource, scheduling, order							CSPlib, real-life, benchmark	2	
Geske05 [150]	18	machine, task, re-scheduling, job, activity, order, distributed, resource, scheduling, lateness, job-shop		cumulative	Prolog	CHIP, SICStus	railway		real-life	0	
GilesH16 [151]	16	inventory, setup-time, activity, task, transportation, order, scheduling, resource		cumulative, disjunctive		Cplex	pipeline	petro-chemical industry, chemical processing industry, chemical industry		0	
GingrasQ16 [152]	7	resource, scheduling, task, order, make-span, completion-time, precedence	psplib, CuSP, RCPSP	disjunctive, cumulative		Choco Solver			benchmark	0	sweep, edge-finder, edge-finding, energetic reasoning

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
GodetLHS20 [154]	8	lazy clause generation, setup-time, release-date, scheduling, task, order, machine, make-span, cmax, completion-time, re-source, job	parallel machine, PMSP, sin-gle machine	alldifferent, bin-packing, cumu-lative, disjunc-tive		OZ, Choco Solver, CHIP, Chuffed	satellite		github, real-life, benchmark, generated in-stance	0	not-last, time-tabling
GoldwaserS17 [157]	16	scheduling, machine, transporta-tion, due-date, order, lazy clause generation, resource		cumulative, dis-junctive	Python	Gurobi, Gecode	torpedo	steel indus-try	instance genera-tor, github, gen-erated instance	4	
Goltz95 [158]	14	due-date, machine, task, job, completion-time, order, re-source, scheduling, precedence, job-shop		cumulative, dis-junctive	Prolog	CHIP			benchmark	0	edge-finding
GomesHS06 [159]	2	scheduling, distributed, task, multi-agent, order				Ilog Solver			real-life	0	
GrimesH10 [160]	15	cmax, machine, job, setup-time, job-shop, flow-shop, sequence de-pendent setup, open-shop, task, batch process, resource, schedul-ing, make-span, precedence, or-der	Open Shop Scheduling Problem	disjunctive, cu-mulative, cycle		OZ		steel indus-try	benchmark	1	time-tabling, edge-finding
GrimesH11 [161]	17	cmax, completion-time, ma-chine, tardiness, job, release-date, earliness, lazy clause generation, job-shop, flow-shop, open-shop, task, due-date, re-source, scheduling, make-span, precedence, order	RCPSP	disjunctive, cu-mulative		Cplex, Ilog Scheduler, Ilog Solver, OZ, OPL			benchmark	1	edge-finding
GrimesHM09 [162]	9	make-span, resource, job, prece-dence, open-shop, scheduling, task, order, job-shop, machine	Open Shop Scheduling Problem, OSP	disjunctive	Java	Choco Solver, Ilog Scheduler, Mistral			benchmark	0	not-last, edge-finding
GroleazNS20 [165]	17	tardiness, precedence, release-date, job-shop, setup-time, job, scheduling, resource, order, ma-chine, inventory, preempt, due-date	GCSP	noOverlap, cy-cle, cumulative, circuit		CPO, OR-Tools		food indus-try	benchmark, industrial in-stance	0	
GroleazNS20a [164]	9	scheduling, machine, inven-tory, transportation, due-date, distributed, order, tardiness, job, release-date, precedence, resource, setup-time, preempt	parallel machine, RCPSP	cycle, noOver-lap, cumulative		Cplex, CPO		food indus-try	industrial part-ner, benchmark	0	
GruianK98 [166]	8	task, resource, scheduling, order, activity, re-scheduling		cumulative, cy-cle, diffn, circuit		OPL, CHIP	pipeline, aircraft		benchmark	0	
GuSS13 [167]	7	lazy clause generation, activ-ity, order, distributed, schedul-ing, precedence, make-span, ma-chine, resource	single ma-chine	cumulative					benchmark	1	edge-finding, edge-finder, time-tabling
HanenKP21 [170]	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, gener-ated instance, random instance	1	energetic reasoning

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
He0GLW18 [172]	18	distributed, machine, precedence, re-scheduling, transportation, multi-agent, order, scheduling			Python	Gurobi	real-time pricing, energy-price		real-world, bitbucket	8	
HebrardTW05 [173]	1	order, job, machine, job-shop, scheduling								0	
HechingH16 [174]	11	re-scheduling, job, task, order, scheduling, manpower		circuit, noOverlap		OPL, Cplex, OZ	patient, medical		real-world	0	
HeinzB12 [175]	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				0	
HeinzKB13 [176]	16	release-date, job-shop, resource, scheduling, order, machine, tardiness, job	single machine	cumulative		OPL, Cplex				0	
HeinzS11 [178]	10	preempt, order, scheduling, resource, completion-time, machine, job	psplib, RCPSP	disjunctive, cumulative		Cplex			benchmark	1	energetic reasoning, time-tabling
HentenryckM04 [183]	16	open-shop, resource, order, activity, job, due-date, completion-time, tardiness, scheduling, make-span, machine, task, job-shop, precedence		disjunctive, cycle, cumulative					benchmark	0	
HentenryckM08 [184]	5	order		bin-packing			steel mill		CSPlib	0	
HermenierDL11 [185]	15	precedence, distributed, resource, order, scheduling, completion-time, producer/consumer, machine, task		bin-packing, disjunctive, alldifferent, cumulative, cycle, table constraint		OZ, Choco Solver	datacenter			1	
HillTV21 [186]	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	0	
HoYCLLCLC18 [187]	6	resource, task, machine, distributed, re-scheduling, order, job, scheduling			C		nurse, medical, patient		real-world	0	
HoeveGSL07 [390]	6	re-scheduling, job, precedence, distributed, resource, task, job-shop, multi-agent, scheduling, machine, order		disjunctive		Ilog Scheduler, Cplex			benchmark	0	edge-finding
Hooker04 [188]	12	machine, task, precedence, release-date, make-span, order, tardiness, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance	0	
Hooker17 [192]	14	job, due-date, order, tardiness, scheduling, resource		circuit		OZ			benchmark, random instance	0	
HookerY02 [193]	5	resource, scheduling, order, machine, job	RCPSP	disjunctive, cumulative						0	
HoundjiSWD14 [194]	16	precedence, resource, scheduling, machine, inventory, transportation, due-date, order	single machine	circuit					bitbucket, generated instance	0	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
IfrimOS12 [196]	16	task, order, machine, job, re-scheduling, distributed, due-date, resource, scheduling		disjunctive			datacenter, energy-price		real-life	1	
JuvinHHL23 [199]	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	6	not-last, edge-finding, not-first
JuvinHL23 [200]	16	make-span, completion-time, task, precedence, order, cmax, machine, tardiness, job, setup-time, job-shop, flow-shop, scheduling		noOverlap, endBeforeStart		Cplex, CPO			real-world	0	
KamarainenS02 [201]	17	machine, job-shop, resource, precedence, transportation, earliness, activity, job, order, preempt, scheduling	KRFP			ECLiPSe			real-world, benchmark	2	
KameugneFGOQ18 [203]	17	resource, task, cmax, precedence, make-span, scheduling, order, completion-time	RCPSP, CuSP	cumulative, disjunctive	Java	CHIP, Choco Solver			benchmark, real-world	0	time-tabling, not-first, sweep, not-last, energetic reasoning
KameugneFND23 [204]	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	5	sweep, energetic reasoning, edge-finding, not-last, not-first, edge-finder, time-tabling
KameugneFSN11 [205]	15	job-shop, release-date, resource, precedence, job, order, preempt, scheduling, make-span, completion-time, task	RCPSP, psplib, CuSP	disjunctive, cumulative		Gecode			benchmark	1	edge-finding, not-last, not-first, time-tabling
KelarevaTK13 [208]	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, satellite		real-world	5	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
KeriK07 [210]	14	due-date, tardiness, temporal constraint reasoning, job, activity, order, earliness, make-span, scheduling, precedence, cmax, resource, job-shop	RCPSP	cycle	C++					2	edge-finding
KhemmoudjPB06 [212]	13	resource, stock level, distributed, order, scheduling		cycle, cumulative	C++	CHIP			real-world	0	
KimCMLLP23 [213]	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	0	
KlankeBYE21 [214]	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	0	
KletzanderM17 [215]	15	scheduling, machine, resource, transportation, order	parallel machine			OZ	torpedo	steel industry		2	
KorbaaYG99 [217]	8	job, resource, task, job-shop, scheduling, machine, flow-shop, order, transportation, make-span		cycle, circuit	Prolog	CHIP, Ilog Solver, OZ	robot, hoist			0	
KoschB14 [219]	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	0	
KovacsEKV05 [222]	1	scheduling, resource, setup-time, job, job-shop, precedence							real-life	0	
KovacsTKSG21 [226]	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	2	
KovacsV04 [224]	15	job, job-shop, resource, scheduling, make-span, task, machine, precedence, order	single machine	disjunctive, cumulative		Ilog Scheduler			industrial partner, benchmark, real-life	0	edge-finding
KovacsV06 [225]	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	0	
KreterSS15 [227]	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	3	
KrogtLPHJ07 [389]	13	resource, order, job, inventory, activity, due-date, machine, job-shop, precedence, scheduling		circuit	Prolog	OPL	semiconductor, aircraft		real-world	0	
Kumar03 [230]	15	activity, order, scheduling, producer/consumer, resource		cycle						0	bi-partite matching, max-flow

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
Laborie09 [231]	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	2	
Laborie18a [232]	9	resource, job, release-date, scheduling, task, due-date, machine, precedence		cumulative, alternative constraint		Ilog Scheduler, CPO, OPL			real-life, benchmark, real-world	0	energetic reasoning
LacknerMMWW21 [234]	18	release-date, flow-shop, batch process, setup-time, job, order, due-date, tardiness, scheduling, make-span, machine, task, lateness, earliness	parallel machine, OSP, single machine	noOverlap, cumulative, endBeforeStart		Chuffed, Cplex, OPL, CPO, OZ, OR-Tools, MiniZinc, Gurobi	semiconductor oven scheduling	electronics industry, steel industry, manufacturing industry	random instance, industrial partner, benchmark, instance generator, real-life, supplementary material	3	
LahimerLH11 [236]	14	resource, task, machine, preempt, cmax, precedence, make-span, order, job, scheduling, completion-time	parallel machine, RCPSP	disjunctive	C++	Ilog Scheduler			benchmark	2	energetic reasoning
LauLN08 [238]	5	order, distributed, inventory, resource, scheduling, flow-shop, transportation, job-shop, machine, job							benchmark, real-world	0	
LetortBC12 [240]	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	2	sweep, edge-finding
LetortCB13 [241]	16	machine, make-span, precedence, resource, scheduling, task, order	psplib, RCPSP	cumulative, disjunctive, bin-packing	Java, Prolog	Choco Solver, SICStus			Roadef, benchmark, random instance	2	energetic reasoning, sweep, edge-finding
LiFJZLL22 [243]	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	0	
LimBTBB15 [247]	15	job-shop, scheduling, multi-agent, order, machine, tardiness, job, re-scheduling, earliness				OPL	HVAC		benchmark	3	time-tabling
LimHTB16 [246]	18	machine, activity, re-scheduling, multi-agent, order, scheduling, distributed		cumulative		OPL	real-time pricing, HVAC, energy-price		real-world	4	
LimRX04 [245]	5	scheduling, preempt, machine, job, completion-time, order, transportation				OZ	container terminal		generated instance	0	
Limtanyakul07 [248]	6	make-span, task, machine, release-date, resource, precedence, job, order, scheduling, due-date		cumulative		OPL	robot		real-life	0	energetic reasoning

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
LiuCGM17 [251]	17	transportation, order, cmax, scheduling, machine, task, activity			Python	OR-Tools, OPL, MiniZinc		tourism industry	github	11	
LiuJ06 [252]	5	make-span, task, order, scheduling, resource		cycle, disjunctive						0	
LiuLH19 [250]	9	order, resource, scheduling				Choco Solver, OZ			CSPlib, benchmark	0	time-tabling
LombardiBM15 [253]	16	completion-time, job-shop, resource, activity, precedence, scheduling, machine, distributed, order, job, make-span, task	JSSP, RCPSP, psplib						benchmark, real-world	0	
LombardiBMB11 [254]	17	resource, order, activity, completion-time, scheduling, make-span, machine, task, precedence	RCPSP	cycle, cumulative	C++			hoist	benchmark, industrial instance, real-life	0	
LombardiM09 [255]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task, preempt	RCPSP			Ilog Solver			real-world, instance generator	1	
LombardiM10 [257]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task	RCPSP	disjunctive, cumulative		Ilog Solver			real-world, benchmark	1	
LombardiM13 [260]	2	precedence, make-span, order, activity, scheduling, resource, task	RCPSP, psplib							0	
Madi-WambaB16 [266]	16	precedence, job, order, scheduling, task, resource		cumulative	Java	Choco Solver, CHIP			real-world, benchmark, random instance, generated instance	3	
Madi-WambaLOBM17 [267]	8	machine, task, activity, rescheduling, job, precedence, distributed, scheduling, order, resource		bin-packing, cumulative	Prolog	SICStus	datacenter		real-world	0	sweep
MakMS10 [268]	5	scheduling, due-date, order, machine, inventory, task, job, activity, transportation, precedence, resource		cycle						0	
MalapertN19 [269]	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	3	
MaraveliasG04 [272]	20					OZ				0	
Mehdizadeh-Somarin23 [275]	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	0	
MelgarejoLS15 [7]	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	1	

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
Mercier-AubinGQ20 [278]	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	1	
MonetteDD07 [280]	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	0	not-last, not-first, edge-finding
MonetteDH09 [281]	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	0	not-last
MossigeGSMC17 [284]	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	4	
MouraSCL08 [286]	16	scheduling, preempt, activity, order, transportation, inventory, precedence, distributed, resource		table constraint, disjunctive, cycle	C++	Ilog Solver, OZ, Ilog Scheduler	pipeline			0	max-flow
MouraSCL08a [285]	8	transportation, re-scheduling, order, scheduling, due-date, resource, inventory, distributed		disjunctive, cumulative	C++	Ilog Solver, Ilog Scheduler	pipeline		real-world, benchmark	0	
MurinR19 [288]	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	3	
MurphyMB15 [289]	17	scheduling, task, order, machine, activity, re-scheduling, resource		cycle, circuit, cumulative, disjunctive	Java	Choco Solver			real-world	3	
Muscettola02 [290]	16	job-shop, resource, activity, precedence, scheduling, order, job, cmax		cycle						0	edge-finding, max-flow
NattafM20 [294]	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	7	
NishikawaSTT18 [296]	6	make-span, order, resource, activity, task, distributed, precedence, scheduling		alternative constraint, endBeforeStart		Cplex, OZ	pipeline, robot		real-world, benchmark	0	
NishikawaSTT18a [297]	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	0	

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
OddiPCC03 [304]	15	preempt, distributed, resource, scheduling, precedence, order, completion-time, task, machine, activity	single machine	cycle	Java		satellite, earth observation		benchmark	0	
OuelletQ13 [305]	16	scheduling, task, order, preempt, make-span, completion-time, precedence, resource	CuSP, RCPSP, psplib	cumulative, disjunctive		Choco Solver			benchmark	1	edge-finding, not-first, edge-finder, energetic reasoning, not-last, time-tabling, sweep
OuelletQ18 [306]	18	scheduling, task, order, make-span, completion-time, precedence, resource	RCPSP, psplib	cumulative, disjunctive	Java	OZ, Choco Solver			benchmark, Roadef	0	edge-finding, not-first, energetic reasoning, not-last, time-tabling
OuelletQ22 [307]	17	scheduling, task, order, preempt, activity, completion-time, resource, lazy clause generation		cumulative, disjunctive	Java	MiniZinc, Choco Solver	nurse		github, benchmark, random instance	1	edge-finding, not-first, energetic reasoning, not-last, time-tabling, sweep
OujanaAYB22 [308]	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	0	
ParkUJR19 [313]	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	0	
PembertonG98 [314]	14	job-shop, resource, activity, preempt, scheduling, machine, order, job, task		geost, cycle		Ilog Solver, OPL	satellite, robot			0	
PerezGSL23 [315]	7	resource, inventory, scheduling, task, order, machine, activity, make-span, completion-time, transportation, re-scheduling		table constraint, cumulative		OPL	nurse, steel mill, container terminal		real-world, generated instance	0	

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
PesantRR15 [317]	16	activity, transportation, lazy clause generation, scheduling, order		cumulative, table constraint		Gurobi, Gecode, Ilog Solver				1	
PoderB08 [319]	8	resource, producer/consumer, release-date, task, activity, preempt, due-date, order, scheduling		cumulative		CHIP				0	sweep
PopovicCGNC22 [323]	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		0	
PovedaAA23 [325]	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	4	
Pralet17 [326]	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	1	
PraletLJ15 [327]	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			0	
Puget95 [329]	4	resource, job-shop, task, job, activity, order, scheduling, transportation, manpower		disjunctive		OPL			benchmark	0	
QuSN06 [332]	4	task, scheduling, distributed, resource, precedence		circuit	Prolog	SICStus				0	
QuirogaZH05 [333]	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			0	
RendlPHPR12 [334]	17	re-scheduling, job, scheduling, order, machine, transportation			Java	OZ	medical, patient, nurse		real-world, CSPlib, benchmark	2	
RiahiNS018 [335]	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	0	
RodosekW98 [336]	15	task, order, transportation, machine, activity, make-span, job, resource, scheduling		circuit, disjunctive, cycle	Prolog	OPL, CHIP, ECLiPSe, Cplex	hoist, electroplating		benchmark	0	
RossiTHP07 [337]	15	resource, inventory, scheduling, distributed, stock level, order		cumulative, cycle		OPL, Choco Solver				0	
Sadykov04 [340]	7	release-date, due-date, preempt, scheduling, completion-time, task, precedence, machine, job, lateness	parallel machine, single machine	disjunctive						0	edge-finding

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
SchuttCSW12 [345]	17	scheduling, resource, order, preempt, activity, lazy clause generation, precedence, make-span		cumulative		CHIP			benchmark	1	
SchuttFS13 [347]	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	1	time-tabling, energetic reasoning
SchuttFSW09 [348]	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	1	edge-finder
SchuttS16 [350]	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	1	
SchuttW10 [351]	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	1	edge-finding, not-last, not-first
SerraNM12 [352]	17	preempt, resource, scheduling, precedence, order, machine, activity, release-date, inventory		alwaysIn, cumulative, cycle		OPL, Cplex			benchmark, real-world	4	
SialaAH15 [357]	10	make-span, open-shop, task, machine, precedence, order, cmax, tardiness, job, setup-time, earliness, lazy clause generation, job-shop, resource, scheduling	RCPSP, JSSP	disjunctive, cumulative		Mistral			github, benchmark	5	edge-finding
SimoninAHL12 [358]	15	resource, activity, precedence, preempt, scheduling, order, task		disjunctive, span constraint, cumulative, cycle		CHIP	satellite			0	sweep
Simonis95 [360]	4	transportation, resource, scheduling, task, machine, producer/consumer, precedence, order		cumulative, cycle, diffn, circuit	Prolog	CHIP	aircraft	food industry		0	
SimonisC95 [362]	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	0	
SquillaciPR23 [363]	17	resource, activity, multi-agent, distributed, order, scheduling, task	OSP, Earth Observation Scheduling Problem, EOSP	noOverlap	Python	Cplex	earth orbit, earth observation, satellite		github, benchmark	2	
SunLYL10 [366]	6	task, order, scheduling, distributed		cycle		Cplex, OPL	automotive			0	
SzerediS16 [368]	10	task, order, machine, preempt, activity, make-span, resource, precedence, lazy clause generation, scheduling	RCPSP, psplib	cumulative		Cplex, MiniZinc, Chuffed, Gecode			benchmark	2	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
TangB20 [369]	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	0	
TardivoDFMP23 [371]	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	9	energetic reasoning, not-last, not-first, edge-finding, time-tabling, sweep
TasselGS23 [372]	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	0	
Teppan22 [375]	8	job-shop, task, make-span, order, cmax, preempt, distributed, resource, completion-time, scheduling, machine, setup-time, job, flow-shop	parallel machine, PTC, FJS, JSSP	noOverlap, endBeforeStart	Java	OR-Tools, OPL			real-life, benchmark	0	
Tesch16 [376]	27	scheduling, order, job, completion-time, precedence, resource, make-span	CuSP, psplib, RCPSP	cumulative, disjunctive	C++	OPL			Roadef	1	sweep, edge-finding, energetic reasoning, not-last, time-tabling, not-first
Tesch18 [377]	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	0	sweep, edge-finding, energetic reasoning, not-last, time-tabling
ThiruvadyBME09 [378]	15	tardiness, open-shop, machine, due-date, job, make-span, scheduling, order, resource, setup-time	single machine	cumulative	C++	Gecode				0	
Tom19 [380]	6	job-shop, job, re-scheduling, task, tardiness, activity, resource, make-span, scheduling, machine, transportation	single machine		Java	OZ, OPL			real-world	0	
TouatBT22 [382]	8	tardiness, job, activity, preempt, release-date, no preempt, earliness, distributed, due-date, job-shop, flow-shop, resource, scheduling, make-span, completion-time, task, machine, precedence, order	RCPSP, single machine	noOverlap		OZ, OPL, Cplex	robot, container terminal, satellite		benchmark, generated instance	0	time-tabling

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
Touraivane95 [383]	3	scheduling, order, task			Prolog		crew-scheduling		real-life	0	
ValleMGT03 [386]	8	machine, order, transportation, make-span, resource, job, precedence, task, job-shop, scheduling				Ilog Solver	robot		real-life	0	edge-finder
VanczaM01 [391]	15	resource, scheduling, precedence, task, machine, order		disjunctive, cycle		OZ	robot		real-life, real-world	0	
VerfaillieL01 [392]	15	job, open-shop, order, scheduling, task, job-shop	Open Shop Scheduling Problem	cycle		Cplex, OPL	earth observation, satellite			0	
Vilim02 [393]	1	scheduling, precedence, sequence dependent setup, batch process, activity, setup-time, resource		cumulative, disjunctive						0	edge-finding
Vilim03 [394]	1	scheduling, job, open-shop, order, job-shop		cumulative, disjunctive						0	not-last, edge-finding
Vilim04 [395]	13	scheduling, precedence, sequence dependent setup, batch process, machine, task, job, completion-time, activity, order, setup-time, resource, job-shop		cumulative, disjunctive					benchmark	1	sweep, not-last, edge-finding
Vilim05 [396]	14	scheduling, precedence, preempt, machine, task, job, open-shop, completion-time, activity, order, resource, make-span, job-shop		cumulative, disjunctive	C++				benchmark	4	not-last
Vilim09 [397]	15	scheduling, precedence, preempt, job, completion-time, activity, order, resource, job-shop		cumulative, cycle		CPO				0	energetic reasoning, not-last, edge-finding, not-first
Vilim11 [399]	16	scheduling, precedence, preempt, machine, task, completion-time, activity, order, manpower, resource	psplib, RCPSP	cumulative, disjunctive, cycle					benchmark	1	sweep, energetic reasoning, not-last, time-tabling, edge-finding
VilimBC04 [400]	15	distributed, job-shop, resource, scheduling, make-span, open-shop, completion-time, machine, precedence, order, job, activity		disjunctive, cumulative					benchmark, real-life	0	not-first, edge-finding, not-last
VilimLS15 [402]	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	8	time-tabling
WangB20 [407]	8	job, order, machine, task, distributed, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		OZ, Gurobi	aircraft		github	0	
WangB23 [408]	8	job, lazy clause generation, order, task, transportation, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		Gurobi	crew-scheduling, aircraft		real-world, random instance	0	
WatsonB08 [410]	15	job-shop, resource, scheduling, make-span, completion-time, machine, order, cmax, job		disjunctive	C++	Ilog Scheduler			benchmark, real-world	1	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
WessenCS20 [411]	10	make-span, completion-time, precedence, job, scheduling, task, order, job-shop, multi-agent		circuit		Gecode, OZ	robot		real-world	10	
WinterMMW22 [413]	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	0	
Wolf03 [414]	15	completion-time, resource, job, make-span, machine, activity, job-shop, task, order, preempt, scheduling		cumulative, disjunctive	Java		pipeline		benchmark	0	not-last, not-first, edge-finding, sweep
WolfS05 [415]	14	preempt, activity, order, task, completion-time, scheduling, distributed, resource		cumulative		CHIP			real-world	0	energetic reasoning, not-last, sweep
WolinskiKG04 [416]	8	resource, precedence, scheduling, machine, order, distributed	SCC	cycle	Java		pipeline			0	
WuBB05 [418]	1	scheduling, resource, job, make-span, release-date				Ilog Scheduler			benchmark	0	
YangSS19 [419]	10	resource, completion-time, machine, task, activity, preempt, order, scheduling, lazy clause generation		cumulative, disjunctive	Prolog	Choco Solver, Gecode, CHIP, SICStus, OPL, OR-Tools	rectangle-packing		generated instance	1	not-last, energetic reasoning, edge-finding
YoungFS17 [420]	10	lazy clause generation, resource, scheduling, make-span, task, machine, precedence, order, activity, preempt	RCPSP, psplib	disjunctive, cumulative		Chuffed, MiniZinc			benchmark, github, instance generator	6	time-tabling
YuraszeckMC23 [422]	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	0	
ZhangJZL22 [427]	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	0	
ZhangLS12 [430]	4	scheduling, order, cmax								0	time-tabling
Zhou96 [431]	15	release-date, job-shop, due-date, task, order, scheduling, precedence, completion-time, job, machine		disjunctive	Prolog	Z3				0	edge-finding
ZhouGL15 [433]	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	0	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
ZhuS02 [434]	5	activity, scheduling, distributed, resource								0	
ZibranR11 [435]	4	scheduling, order, activity			Java	OPL, Cplex				0	
ZibranR11a [436]	10	scheduling, distributed, order, activity, resource				Cplex, OPL				0	time-tabling
cp-Hooker05 [190]	14	tardiness, precedence, scheduling, make-span, order, job, due-date, resource, task, machine, release-date		circuit, disjunctive, cumulative		Cplex, Ilog Scheduler, OPL				0	
cpaior-GayHS15 [141]	16	preempt, machine, task, scheduling, order, manpower, resource	psplib, RCPSP	cumulative, disjunctive	Java				bitbucket, benchmark, real-world	0	edge-finding, time-tabling, not-first, sweep, not-last, energetic reasoning
cpaior-SchuttFS13 [346]	17	completion-time, machine, lazy clause generation, activity, scheduling, order, preempt, task, make-span, precedence, resource	RCPSP, psplib	disjunctive, circuit, cumulative		CHIP, OZ			benchmark	5	not-last, edge-finding, energetic reasoning
cpaior-Vilim09 [398]	15	scheduling, order, completion-time, preempt, resource, activity, task		cycle, cumulative		Ilog Scheduler				1	energetic reasoning, not-last, edge-finding

Table 4: Manually Defined Paper Properties

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
AalianPG23 AalianPG23	Optimization of Short-Term Underground Mine Planning Using Constraint Programming	CP Opt	n		n			?
Bit-Monnot23 Bit-Monnot23	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	ARIES CP Opt OR-Tools Mistral	y		y	-	JSSP OSSP	-
EfthymiouY23 EfthymiouY23	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	OR-Tools	n		n	-	CHSP	-
JuvinHHL23 Juvin-HHL23	An Efficient Constraint Programming Approach to Pre-emptive Job Shop Scheduling	CP Opt Mistral	ref		y		PJSSP	endBeforeStart span noOverlap
JuvinHL23 JuvinHL23	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	CP Opt Cplex	ref		n	-	Perm FSSP	endBeforeStart noOverlap sameSequence
KameugneFND23 KameugneFND23	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	?	BL PSPlib		n	-	RCPSPs	cumulative
KimCMLLP23 KimCM-LLP23	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Gurobi OR-Tools	y		n	-	SCC	alternative noOverlap
Mehdizadeh-Somarin23 Mehdizadeh-Somarin23	A Constraint Programming Model for a Reconfigurable Job Shop Scheduling Problem with Machine Availability	CP Opt	n		n	-	JSSP RMS	alternative endBeforeStart noOverlap
PerezGSL23 PerezGSL23	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	custom	n		n	-	SUTP	table disjunctive
PovedaAA23 PovedaAA23	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	CP Opt MiniZinc Chuffed	y		y		PP-MS-MMRCPSP/max-cal	
SquillaciPR23 Squil-laciPR23	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Cplex Studio	y		n	-	EOSP	?
TardivoDFMP23 Tardi-voDFMP23	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	MiniCPP MiniZinc	PSPLib BL Pack		y	-	RCPSP	cumulative
TasselGS23 TasselGS23	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	custom Choco	ref		y	-	JSSP	noOverlap
WangB23 WangB23	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	FaCiLe	(y)		n	[407]	FJS	-
YuraszeckMC23 YuraszeckMC23	A competitive constraint programming approach for the group shop scheduling problem	CP Opt	ref		n	-	GSSP	noOverlap endBeforeStart
ArmstrongGOS22 Arm-strongGOS22	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	CP Opt	(y)		-	[15]	$HFFm|tt|C_{\max}$	endBeforeStart alternative cumulative noOverlap
BoudreaultSLQ22 BoudreaultSLQ22	A Constraint Programming Approach to Ship Refit Project Scheduling	MiniZinc Chuffed			y	-	RCPSP	cumulative
GeitzGSSW22 GeitzGSSW22	Solving the Extended Job Shop Scheduling Problem with AGVs - Classical and Quantum Approaches	firstCS QUBO	y		n	-	JSSP	
LiFJZLL22 LiFJZLL22	Constraint Programming for a Novel Integrated Optimization of Blocking Job Shop Scheduling and Variable-Speed Transfer Robot Assignment	OPL CP Opt	ref		n	-	BJSSP	endBEforeStart alternative noOverlap
OuelletQ22 OuelletQ22	A MinCumulative Resource Constraint	Choco	y		y	-		cumulative minCumulative
OujanaAYB22 Ou-janaAYB22	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	CP Opt	n		n	-	HFFS	alternative span noOverlap endBeforeStart

Table 4: Manually Defined Paper Properties

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
PopovicCGNC22 PopovicCGNC22	Scheduling the Equipment Maintenance of an Electric Power Transmission Network Using Constraint Programming	CP Opt	n		n	-	TMS	alwaysIn noOverlap
Teppan22 Teppan22	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	?	?		?	?	?	?
TouatBT22 TouatBT22	A Constraint Programming Model for the Scheduling Problem with Flexible Maintenance under Human Resource Constraints	?	?		?	?	?	?
WinterMMW22 WinterMMW22	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Cplex Gurobi CP Opt Sim Anneal	y		y	-	PMSP	alternative noOverlap
ZhangJZL22 ZhangJZL22	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	OP Opt	ref		n	-	HFSP	alternative endBeforeStart noOverlap cumulative
AntuoriHHEN21 AntuoriHHEN21	Combining Monte Carlo Tree Search and Depth First Search Methods for a Car Manufacturing Workshop Scheduling Problem	MCTS	y		y			
ArmstrongGOS21 ArmstrongGOS21	The Hybrid Flexible Flowshop with Transportation Times	MiniZinc Chuffed CP Opt SICStus	y		y	-	$HFFm|tt|C_{\max}$	cumulative diffn table
Astrand0F21 Astrand0F21	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	Gecode	ref generated		n	-		-
BenderWS21 BenderWS21	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	CP Opt	y		n	-	MRCPSP	noOverlap alternative
GeibingerKKMMW21 GeibingerKKMMW21	Physician Scheduling During a Pandemic	MiniZinc	y		n	-		nvalue
GeibingerMM21 GeibingerMM21	Constraint Logic Programming for Real-World Test Laboratory Scheduling	clingcon	y				TLSP RCPSP	disjunctive
HanenKP21 HanenKP21	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Python	ref		n	-	$P|prec, r_i, d_i|*$	-
HillTV21 HillTV21	A Computational Study of Constraint Programming Approaches for Resource-Constrained Project Scheduling with Autonomous Learning Effects	CP Opt	PSPlib		n	-	RCPSP	cumulative alternative endBeforeStart
KlankeBYE21 KlankeBYE21	Combining Constraint Programming and Temporal Decomposition Approaches - Scheduling of an Industrial Formulation Plant	OR-Tools	n		n	-		cumulative circuit noOverlap
KovacsTKSG21 KovacsTKSG21	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Gurobi OR-Tools Cplex CP Opt	y		y	-	extended RCPSP	cumulative
LacknerMMWW21 LacknerMMWW21	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	CP Opt Chuffed OR-Tools Gurobi OPL	y		y		OSP	
BarzegaranZP20 BarzegaranZP20	Quality-Of-Control-Aware Scheduling of Communication in TSN-Based Fog Computing Platforms Using Constraint Programming							
GodetLHS20 GodetLHS20	Using Approximation within Constraint Programming to Solve the Parallel Machine Scheduling Problem with Additional Unit Resources							
GroleazNS20 GroleazNS20	Solving the Group Cumulative Scheduling Problem with CPO and ACO	CP Opt ACO	-		-	[165]	GCSP	group cumulative

Table 4: Manually Defined Paper Properties

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
GroleazNS20a GroleazNS20a	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint							
Mercier-AubinGQ20 Mercier-AubinGQ20	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	MiniZinc Chuffed	a		a	-		circuit cumulative
NattafM20 NattafM20	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Cplex CP Opt	-		-	[269]	PTC	alternative noOverlap
TangB20 TangB20	CP and Hybrid Models for Two-Stage Batching and Scheduling	Cplex CP Opt	n		n	-	2BPHFSP	span alwaysIn
WangB20 WangB20	Global Propagation of Transition Cost for Fixed Job Scheduling	FaCiLe	y		n	-	FJS	-
WessenCS20 WessenCS20	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Gecode	n		n	-		circuit alldifferent
BadicaBIL19 Badica-BIL19	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming							
BehrensLM19 BehrensLM19	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks							
BogaerdtW19 Bogaerdt W19	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams							
ColT19 ColT19	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	CP Opt OR-Tools	y		y	-	JSSP	noOverlap
FrimodigS19 FrimodigS19	Models for Radiation Therapy Patient Scheduling	Mini-Zinc Gecode Cplex	n		n	-		cumulative regular bin-packing
FrohnerTR19 Frohner TR19	Casual Employee Scheduling with Constraint Programming and Metaheuristics							
GalleguillosKSB19 Galleguillos KSB19	Constraint Programming-Based Job Dispatching for Modern HPC Applications	OR-Tools			y		on-line dispatch	
GeibingerMM19 GeibingerMM19	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling							
LiuLH19 LiuLH19	Solving the Talent Scheduling Problem by Parallel Constraint Programming							
MalapertN19 MalapertN19	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications							
MurinR19 MurinR19	Scheduling of Mobile Robots Using Constraint Programming	CP Opt Cplex OPL	y		y	-	JSPT	endBeforeStart alternative noOverlap
ParkUJR19 ParkUJR19	Developing a Production Scheduling System for Modular Factory Using Constraint Programming							
Tom19 Tom19	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling							
YangSS19 YangSS19	Time Table Edge Finding with Energy Variables							
ArbaouiY18 Arbaoui Y18	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming							
AstrandJZ18 Astrand JZ18	Fleet Scheduling in Underground Mines Using Constraint Programming							
BenediktSMVH18 BenediktSMVH18	Energy-Aware Production Scheduling with Power-Saving Modes							
DemirovicS18 DemirovicS18	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts							
He0GLW18 He0GLW18	A Fast and Scalable Algorithm for Scheduling Large Numbers of Devices Under Real-Time Pricing							

Table 4: Manually Defined Paper Properties

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
HoYCLLCLC18 HoY-CLLCLC18	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints							
KameugneFGOQ18 KameugneFGOQ18	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint							
Laborie18a Laborie18a	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling							
NishikawaSTT18 NishikawaSTT18	Scheduling of Malleable Fork-Join Tasks with Constraint Programming							
NishikawaSTT18a NishikawaSTT18a	Scheduling of Malleable Tasks Based on Constraint Programming							
OuelletQ18 OuelletQ18	A $O(n \log ^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning							
RiahiNS018 RiahiNS018	Local Search for Flowshops with Setup Times and Blocking Constraints							
Tesch18 Tesch18	Improving Energetic Propagations for Cumulative Scheduling							
BofillCSV17 BofillCSV17	An Efficient SMT Approach to Solve MRCPSP/max Instances with Tight Constraints on Resources							
CappartS17 CappartS17	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables							
GelainPRVW17 Gelain-PRVW17	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems							
GoldwaserS17 Gold-waserS17	Optimal Torpedo Scheduling							
Hooker17 Hooker17	Job Sequencing Bounds from Decision Diagrams							
KletzanderM17 Kletzan-derM17	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem							
LiuCGM17 LiuCGM17	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities							
Madi-WambaLOBM17 Madi-WambaLOBM17	Green Energy Aware Scheduling Problem in Virtualized Datacenters							
MossigeGSMC17 MossigeGSMC17	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems							
Pralet17 Pralet17	An Incomplete Constraint-Based System for Scheduling with Renewable Resources							
YoungFS17 YoungFS17	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem							
BonfiettiZLM16 Bonfiet-tiZLM16	The Multirate Resource Constraint							
BoothNB16 BoothNB16	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes							
BridiLBBM16 BridiLBBM16	DARDIS: Distributed And Randomized DIspatching and Scheduling							
CauwelaertDMS16 CauwelaertDMS16	Efficient Filtering for the Unary Resource with Family-Based Transition Times							
FontaineMH16 FontaineMH16	Parallel Composition of Scheduling Solvers							
GilesH16 GilesH16	Solving a Supply-Delivery Scheduling Problem with Constraint Programming							
GingrasQ16 GingrasQ16	Generalizing the Edge-Finder Rule for the Cumulative Constraint							
HechingH16 HechingH16	Scheduling Home Hospice Care with Logic-Based Benders Decomposition							

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Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
LimHTB16 LimHTB16	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control							
Madi-WambaB16 Madi-WambaB16	The TaskIntersection Constraint							
SchuttS16 SchuttS16	Explaining Producer/Consumer Constraints							
SzerediS16 SzerediS16	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling							
Tesch16 Tesch16	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $\mathcal O(n^2 \log n)$							
BofillGSV15 BofillGSV15	MaxSAT-Based Scheduling of B2B Meetings							
BurtLPS15 BurtLPS15	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feedrate Constraints: A Mine Planning Case Study							
DejemeppeCS15 DejemeppeCS15	The Unary Resource with Transition Times							
EvenSH15 EvenSH15	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling							
GayHLS15 GayHLS15	Conflict Ordering Search for Scheduling Problems							
GayHS15 GayHS15	Simple and Scalable Time-Table Filtering for the Cumulative Constraint							
KreterSS15 KreterSS15	Modeling and Solving Project Scheduling with Calendars							
LimBTBB15 LimBTBB15	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings							
LombardiBM15 LombardiBM15	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty							
MelgarejoLS15 MelgarejoLS15	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems							
MurphyMB15 MurphyMB15	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System							
PesantRR15 PesantRR15	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem							
PraletLJ15 PraletLJ15	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search							
SialaAH15 SialaAH15	Two Clause Learning Approaches for Disjunctive Scheduling							
VilimLS15 VilimLS15	Failure-Directed Search for Constraint-Based Scheduling							
ZhouGL15 ZhouGL15	On complex hybrid flexible flowshop scheduling problems based on constraint programming							
cpaior-GayHS15 cpaior-GayHS15	Time-Table Disjunctive Reasoning for the Cumulative Constraint							
AlesioNBG14 AlesioNBG14	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing							
BartoliniBBLM14 BartoliniBBLM14	Proactive Workload Dispatching on the EURORA Supercomputer							
BessiereHMQW14 BessiereHMQW14	Buffered Resource Constraint: Algorithms and Complexity							
BofillEGPSV14 BofillEGPSV14	Scheduling B2B Meetings							
BonfiettiLM14 BonfiettiLM14	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!							
DejemeppeD14 DejemeppeD14	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling							
DerrienP14 DerrienP14	A New Characterization of Relevant Intervals for Energetic Reasoning							

Table 4: Manually Defined Paper Properties

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
DerrienPZ14 DerrienPZ14	A Declarative Paradigm for Robust Cumulative Scheduling							
DoulabiRP14 DoulabiRP14	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling							
FriedrichFMRSST14 FriedrichFMRSST14	Representing Production Scheduling with Constraint Answer Set Programming							
GaySS14 GaySS14	Continuous Casting Scheduling with Constraint Programming							
HoundjiSWD14 HoundjiSWD14	The StockingCost Constraint							
KoschB14 KoschB14	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes							
BonfiettiLM13 BonfiettiLM13	De-Cycling Cyclic Scheduling Problems							
CireCH13 CireCH13	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	CP Opt Cplex	dead		n	-		
GuSS13 GuSS13	A Lagrangian Relaxation Based Forward-Backward Improvement Heuristic for Maximising the Net Present Value of Resource-Constrained Projects	Chuffed	dead			-	RCPSPDC	cumulative maxNVPProp
HeinzKB13 HeinzKB13	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling							
KelarevaTK13 KelarevaTK13	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	MiniZinc CPX G12FD	ref		-	-	LSFRP BPCTOP	alldifferent alldifferentExcept0
LetortCB13 LetortCB13	A Synchronized Sweep Algorithm for the *k-dimensional cumulative* Constraint	SICStus Choco	PSPlib		-	-	RCPSP	cumulative kDimensionalCumulative
LombardiM13 LombardiM13	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling							
OuelletQ13 OuelletQ13	Time-Table Extended-Edge-Finding for the Cumulative Constraint							
SchuttFS13 SchuttFS13	Scheduling Optional Tasks with Explanation							
cpaior-SchuttFS13 cpaior-SchuttFS13	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Mercury G12	PSPlib AT BL Pack KSD15D PackD		-	-	RCPSP	cumulative
BillautHL12 BillautHL12	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem							
BonfiettiLBM12 BonfiettiLBM12	Global Cyclic Cumulative Constraint							
BonfiettiM12 BonfiettiM12	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem							
HeinzB12 HeinzB12	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling							
IfrimOS12 IfrimOS12	Properties of Energy-Price Forecasts for Scheduling							
LetortBC12 LetortBC12	A Scalable Sweep Algorithm for the cumulative Constraint							
RendlPHPR12 RendlPHPR12	Hybrid Heuristics for Multimodal Homecare Scheduling							
SchuttCSW12 SchuttCSW12	Maximising the Net Present Value for Resource-Constrained Project Scheduling							
SerraNM12 SerraNM12	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach							
SimoninAHL12 SimoninAHL12	Scheduling Scientific Experiments on the Rosetta/Philae Mission	MOST Ilog Scheduler	n		n	-		cumulative dataTransfer

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Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
ZhangLS12 ZhangLS12	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method							
BonfiettiLBM11 BonfiettiLBM11	A Constraint Based Approach to Cyclic RCPSP							
ChapadosJR11 ChapadosJR11	Retail Store Workforce Scheduling by Expected Operating Income Maximization							
ClercqPBJ11 ClercqPBJ11	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource							
EdisO11 EdisO11	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach							
GrimesH11 GrimesH11	Models and Strategies for Variants of the Job Shop Scheduling Problem							
HeinzS11 HeinzS11	Explanations for the Cumulative Constraint: An Experimental Study							
HermenierDL11 HermenierDL11	Bin Repacking Scheduling in Virtualized Datacenters							
KameugneFSN11 KameugneFSN11	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints							
LahimerLH11 LahimerLH11	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks							
LombardiBMB11 LombardiBMB11	Precedence Constraint Posting for Cyclic Scheduling Problems							
Vilim11 Vilim11	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources							
ZibranR11 ZibranR11	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach							
ZibranR11a ZibranR11a	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring							
BertholdHLMS10 BertholdHLMS10	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling							
CobanH10 CobanH10	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition							
Davenport10 Davenport10	Integrated Maintenance Scheduling for Semiconductor Manufacturing							
GrimesH10 GrimesH10	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach							
LombardiM10 LombardiM10	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution							
MakMS10 MakMS10	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems							
SchuttW10 SchuttW10	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints							
SunLYL10 SunLYL10	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming							
Acuna-AgostMFG09 Acuna-AgostMFG09	Constraint Programming and Mixed Integer Linear Programming for Rescheduling Trains under Disrupted Operations							
AronssonBK09 AronssonBK09	MILP formulations of cumulative constraints for railway scheduling - A comparative study							
Baptiste09 Baptiste09	Constraint-Based Schedulers, Do They Really Work?							
GrimesHM09 GrimesHM09	Closing the Open Shop: Contradicting Conventional Wisdom							
Laborie09 Laborie09	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems							

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Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
LombardiM09 LombardiM09	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations							
MonetteDH09 MonetteDH09	Just-In-Time Scheduling with Constraint Programming							
SchuttFSW09 SchuttFSW09	Why Cumulative Decomposition Is Not as Bad as It Sounds							
ThiruvadyBME09 ThiruvadyBME09	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling							
Vilim09 Vilim09	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)\{\mathcal O\}(kn \{\rm log\} n)$							
cpaior-Vilim09 cpaior-Vilim09	Max Energy Filtering Algorithm for Discrete Cumulative Resources							
BarlattCG08 BarlattCG08	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems							
BeldiceanuCP08 BeldiceanuCP08	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles							
DoomsH08 DoomsH08	Gap Reduction Techniques for Online Stochastic Project Scheduling							
HentenryckM08 HentenryckM08	The Steel Mill Slab Design Problem Revisited							
LauLN08 LauLN08	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)							
MouraSCL08 MouraSCL08	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network							
MouraSCL08a MouraSCL08a	Heuristics and Constraint Programming Hybridizations for a Real Pipeline Planning and Scheduling Problem							
PoderB08 PoderB08	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production							
WatsonB08 WatsonB08	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem							
AkkerDH07 AkkerDH07	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems							
BeldiceanuP07 BeldiceanuP07	A Continuous Multi-resources *cumulative* Constraint with Positive-Negative Resource Consumption-Production							
DavenportKRSH07 DavenportKRSH07	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing							
GarganiR07 GarganiR07	An Efficient Model and Strategy for the Steel Mill Slab Design Problem							
HoeveGSL07 HoeveGSL07	Optimal Multi-Agent Scheduling with Constraint Programming							
KeriK07 KeriK07	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method							
KrogtLPHJ07 KrogtLPHJ07	Scheduling for Cellular Manufacturing							
Limtanyakul07 Limtanyakul07	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming							
MonetteDD07 MonetteDD07	A Position-Based Propagator for the Open-Shop Problem							
RossiTHP07 RossiTHP07	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost							
BeniniBGM06 BeniniBGM06	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs							
GomesHS06 GomesHS06	Constraint Programming for Distributed Planning and Scheduling							

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Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
KhemmoudjPB06 KhemmoudjPB06	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages							
KovacsV06 KovacsV06	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP							
LiuJ06 LiuJ06	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming							
QuSN06 QuSN06	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices							
AbrilSB05 AbrilSB05	Distributed Constraints for Large-Scale Scheduling Problems							
ArtiouchineB05 ArtiouchineB05	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs							
CarchraeBF05 CarchraeBF05	Methods to Learn Abstract Scheduling Models							
ChuX05 ChuX05	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems							
DilkinaDH05 DilkinaDH05	Extending Systematic Local Search for Job Shop Scheduling Problems							
FortinZDF05 FortinZDF05	Interval Analysis in Scheduling							
FrankK05 FrankK05	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations							
Geske05 Geske05	Railway Scheduling with Declarative Constraint Programming							
HebrardTW05 HebrardTW05	Computing Super-Schedules							
KovacsEKV05 KovacsEKV05	Proterv-II: An Integrated Production Planning and Scheduling System							
QuirogaZH05 QuirogaZH05	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS							
Vilim05 Vilim05	Computing Explanations for the Unary Resource Constraint							
WolfS05 WolfS05	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application							
WuBB05 WuBB05	Scheduling with Uncertain Start Dates							
cp-Hooker05 cp-Hooker05	Planning and Scheduling to Minimize Tardiness							
ArtiguesBF04 ArtiguesBF04	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times							
HentenryckM04 HentenryckM04	Scheduling Abstractions for Local Search							
Hooker04 Hooker04	A Hybrid Method for Planning and Scheduling							
KovacsV04 KovacsV04	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling							
LimRX04 LimRX04	Solving the Crane Scheduling Problem Using Intelligent Search Schemes							
MaraveliasG04 MaraveliasG04	Using MILP and CP for the Scheduling of Batch Chemical Processes							
Sadykov04 Sadykov04	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem							
Vilim04 Vilim04	O(n log n) Filtering Algorithms for Unary Resource Constraint							
VilimBC04 VilimBC04	Unary Resource Constraint with Optional Activities							

Table 4: Manually Defined Paper Properties

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
VillaverdeP04 VillaverdeP04	An Investigation of Scheduling in Distributed Constraint Logic Programming							
WolinskiKG04 WolinskiKG04	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures							
WolinskiKG04a WolinskiKG04a	A constraints programming approach to communication scheduling on SoPC architectures							
DannaP03 DannaP03	Structured vs. Unstructured Large Neighborhood Search: A Case Study on Job-Shop Scheduling Problems with Earliness and Tardiness Costs							
Kumar03 Kumar03	Incremental Computation of Resource-Envelopes in Producer-Consumer Models							
OddiPCC03 OddiPCC03	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem							
ValleMGT03 ValleMGT03	On Selecting and Scheduling Assembly Plans Using Constraint Programming							
Vilim03 Vilim03	Computing Explanations for Global Scheduling Constraints							
Wolf03 Wolf03	Pruning while Sweeping over Task Intervals							
Bartak02 Bartak02	Visopt ShopFloor: On the Edge of Planning and Scheduling							
Bartak02a Bartak02a	Visopt ShopFloor: Going Beyond Traditional Scheduling							
BeldiceanuC02 BeldiceanuC02	A New Multi-resource cumulatives Constraint with Negative Heights							
ElkhyariGJ02 ElkhyariGJ02	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems							
ElkhyariGJ02a ElkhyariGJ02a	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools							
HookerY02 HookerY02	A Relaxation of the Cumulative Constraint							
KamarainenS02 KamarainenS02	Local Probing Applied to Scheduling							
Muscettola02 Muscettola02	Computing the Envelope for Stepwise-Constant Resource Allocations							
Vilim02 Vilim02	Batch Processing with Sequence Dependent Setup Times							
ZhuS02 ZhuS02	A Meeting Scheduling System Based on Open Constraint Programming							
VanczaM01 VanczaM01	A Constraint Engine for Manufacturing Process Planning							
VerfaillieL01 VerfaillieL01	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View							
AngelsmarkJ00 AngelsmarkJ00	Some Observations on Durations, Scheduling and Allen's Algebra							
KorbaaYG99 KorbaaYG99	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming							
CestaOS98 CestaOS98	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints							
FrostD98 FrostD98	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units							
GruianK98 GruianK98	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming							
PembertonG98 PembertonG98	A constraint-based approach to satellite scheduling							
RodosekW98 RodosekW98	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems							
BaptisteP97 BaptisteP97	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems							

Table 4: Manually Defined Paper Properties

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
BeckDF97 BeckDF97	Five Pitfalls of Empirical Scheduling Research							
BoucherBVBL97 BoucherBVBL97	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Schedulingt Problem							
Caseau97 Caseau97	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel							
PapeB97 PapeB97	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling							
BrusoniCLMMT96 BrusoniCLMMT96	Resource-Based vs. Task-Based Approaches for Scheduling Problems							
Colombani96 Colombani96	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem							
Zhou96 Zhou96	A Constraint Program for Solving the Job-Shop Problem							
Goltz95 Goltz95	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling							
Puget95 Puget95	Applications of Constraint Programming							
Simonis95 Simonis95	The CHIP System and Its Applications							
SimonisC95 SimonisC95	Modelling Producer/Consumer Constraints							
Touraivane95 Touraivane95	Constraint Programming and Industrial Applications							
JourdanFRD94 JourdanFRD94	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming							
AggounB92 AggounB92	Extending CHIP in order to solve complex scheduling and placement problems							
BaptisteLV92 BaptisteLV92	Hoist scheduling problem: an approach based on constraint logic programming							
ErtlK91 ErtlK91	Optimal Instruction Scheduling using Constraint Logic Programming							

3 Journal Articles

Table 5: Articles from bibtex (Total 150)

Key	Authors	Title	LC	Cite	Year	Journal	Pages
PrataAN23 PrataAN23	Bruno A. Prata, Levi R. Abreu, Marcelo S. Nagano	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	Yes	[328]	2024	Results in Control and Optimization	17
abs-2402-00459 abs-2402-00459	S. Nguyen, Dhananjay R. Thiruvady, Y. Sun, M. Zhang	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	Yes	[295]	2024	CoRR	21
AbreuNP23 AbreuNP23	Levi Ribeiro de Abreu, Marcelo Seido Nagano, Bruno A. Prata	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	No	[101]	2023	Int. J. Prod. Res.	20
AkramNHRSA23 AkramNHRSA23	Bilal Omar Akram, Nor Kamariah Noordin, F. Hashim, Mohd Fadlee A. Rasid, Mustafa Ismael Salman, Abdulrahman M. Abdulghani	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming	Yes	[8]	2023	IEEE Access	16
AlfieriGPS23 AlfieriGPS23	A. Alfieri, M. Garraffa, E. Pastore, F. Salassa	Permutation flowshop problems minimizing core waiting time and core idle time	Yes	[10]	2023	Computers and Industrial Engineering	13
Caballero23 Caballero23	Jordi Coll Caballero	Scheduling through logic-based tools	Yes	[81]	2023	Constraints An Int. J.	1
CzerniachowskaWZ23 CzerniachowskaWZ23	C. Kateryna, W. Radosław, Żywicki, Krzysztof	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations	Yes	[95]	2023	Advances in Science and Technology Research Journal	14
GurPAE23 GurPAE23	S. Gür, M. Pinarbasi, Haci Mehmet Alakas, T. Eren	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Yes	[168]	2023	Central Eur. J. Oper. Res.	25
IsikYA23 IsikYA23	Eyüp Ensar Isik, Seyda Topaloglu Yildiz, Özge Satir Akpunar	Constraint programming models for the hybrid flow shop scheduling problem and its extensions	Yes	[197]	2023	Soft Comput.	28
LacknerMMWW23 LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Exact methods for the Oven Scheduling Problem	Yes	[235]	2023	Constraints An Int. J.	42
MontemanniD23 MontemanniD23	R. Montemanni, M. Dell'Amico	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	Yes	[283]	2023	Algorithms	13
MontemanniD23a MontemanniD23a	R. Montemanni, M. Dell'Amico	Constraint programming models for the parallel drone scheduling vehicle routing problem	Yes	[282]	2023	EURO J. Comput. Optim.	20
NaderiRR23 NaderiRR23	N. Bahman, R. Rubén, R. Vahid	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook	Yes	[291]	2023	INFORMS Journal on Computing	27
ShaikhK23 ShaikhK23	Aftab Ahmed Shaikh, Abdullah Ayub Khan	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	No	[353]	2023	Int. J. Electron. Secur. Digit. Forensics	12
YuraszeckMCCR23 YuraszeckMCCR23	F. Yuraszeck, E. Montero, D. Canut-de-Bon, N. Cuneo, M. Rojel	A Constraint Programming Formulation of the Multi-Mode Resource-Constrained Project Scheduling Problem for the Flexible Job Shop Scheduling Problem	Yes	[423]	2023	IEEE Access	11
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	[181]	2023	CoRR	42
abs-2306-05747 abs-2306-05747	P. Tassel, M. Gebser, K. Schekotihin	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	Yes	[373]	2023	CoRR	9
abs-2312-13682 abs-2312-13682	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended	Yes	[316]	2023	CoRR	20
AbreuN22 AbreuN22	Levi Ribeiro de Abreu, Marcelo Seido Nagano	A new hybridization of adaptive large neighborhood search with constraint programming for open shop scheduling with sequence-dependent setup times	Yes	[100]	2022	Comput. Ind. Eng.	20
BourreauGGLT22 BourreauGGLT22	E. Bourreau, T. Garaix, M. Gondran, P. Lacomme, N. Tchernev	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)	Yes	[75]	2022	Int. J. Prod. Res.	19
CampeauG22 CampeauG22	L. Campeau, M. Gamache	Short- and medium-term optimization of underground mine planning using constraint programming	Yes	[82]	2022	Constraints An Int. J.	18
FetgoD22 FetgoD22	Séverine Betmbe Fetgo, Clémentin Tayou Djamégni	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited	Yes	[127]	2022	Oper. Res. Forum	32

Table 5: Articles from bibtex (Total 150)

Key	Authors	Title	LC	Cite	Year	Journal	Pages
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	[180]	2022	Comput. Ind. Eng.	16
MullerMKP22 MullerMKP22	D. Müller, Marcus Gerhard Müller, D. Kress, E. Pesch	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning	Yes	[287]	2022	Eur. J. Oper. Res.	18
PohlAK22 PohlAK22	M. Pohl, C. Artigues, R. Kolisch	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach	Yes	[321]	2022	Eur. J. Oper. Res.	16
ShiYXQ22 ShiYXQ22	G. Shi, Z. Yang, Y. Xu, Y. Quan	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach	No	[354]	2022	Int. J. Prod. Res.	18
SubulanC22 SubulanC22	K. Subulan, G. Çakir	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem	Yes	[364]	2022	Soft Comput.	38
YunusogluY22 YunusogluY22	P. Yunusoglu, Seyda Topaloglu Yildiz	Constraint programming approach for multi-resource-constrained unrelated parallel machine scheduling problem with sequence-dependent setup times	No	[421]	2022	Int. J. Prod. Res.	18
abs-2211-14492 abs-2211-14492	Y. Sun, S. Nguyen, Dhananjay R. Thiruvady, X. Li, Andreas T. Ernst, U. Aickelin	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling	Yes	[365]	2022	CoRR	17
AbohashimaEG21 AbohashimaEG21	H. Abohashima, Amr B. Eltawil, Mohamed S. Gheith	A Mathematical Programming Model and a Firefly-Based Heuristic for Real-Time Traffic Signal Scheduling With Physical Constraints	Yes	[2]	2021	IEEE Access	14
FanXG21 FanXG21	H. Fan, H. Xiong, M. Goh	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints	Yes	[126]	2021	Comput. Oper. Res.	15
HubnerGSV21 HubnerGSV21	F. Hübner, P. Gerhards, C. Stürck, R. Volk	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics	Yes	[195]	2021	J. Sched.	22
KoehlerBFFHPSSS21 KoehlerBFFHPSSS21	J. Koehler, J. Bürgler, U. Fontana, E. Fux, Florian A. Herzog, M. Pouly, S. Saller, A. Salyaeva, P. Scheiblechner, K. Waelti	Cable tree wiring - benchmarking solvers on a real-world scheduling problem with a variety of precedence constraints	Yes	[216]	2021	Constraints An Int. J.	51
PandeyS21a PandeyS21a	V. Pandey, P. Saini	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization	Yes	[310]	2021	J. Supercomput.	29
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	[330]	2021	IEEE Trans Autom. Sci. Eng.	12
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[404]	2021	Comput. Ind. Eng.	14
ZhangYW21 ZhangYW21	L. Zhang, C. Yu, T. N. Wong	A graph-based constraint programming approach for the integrated process planning and scheduling problem	Yes	[428]	2021	Comput. Oper. Res.	10
AlizdehS20 AlizdehS20	S. Alizdeh, S. Saeidi	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming	No	[11]	2020	Int. J. Adv. Intell. Paradigms	14
AstrandJZ20 AstrandJZ20	M. Åstrand, M. Johansson, A. Zanarini	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search	Yes	[24]	2020	Comput. Oper. Res.	13
BadicaBI20 BadicaBI20	A. Badica, C. Badica, M. Ivanovic	Block structured scheduling using constraint logic programming	No	[25]	2020	AI Commun.	17
BenediktMH20 BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	Yes	[50]	2020	Constraints An Int. J.	19
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	[264]	2020	Comput. Oper. Res.	20
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	[277]	2020	Comput. Ind. Eng.	13

Table 5: Articles from bibtex (Total 150)

Key	Authors	Title	LC	Cite	Year	Journal	Pages
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	No	[279]	2020	Int. J. Comput. Integr. Manuf.	14
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	No	[322]	2020	Int. J. Prod. Res.	18
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	[331]	2020	Eur. J. Oper. Res.	18
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	[339]	2020	Oper. Res. Forum	33
WallaceY20 WallaceY20	M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem	Yes	[406]	2020	Constraints An Int. J.	19
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	[121]	2019	Comput. Chem. Eng.	10
NishikawaSTT19 NishikawaSTT19	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	A Constraint Programming Approach to Scheduling of Malleable Tasks	No	[298]	2019	Int. J. Netw. Comput.	16
Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[300]	2019	Comput. Ind. Eng.	13
WikarekS19 WikarekS19	J. Wikarek, P. Sitek	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems	Yes	[412]	2019	Vietnam. J. Comput. Sci.	22
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	[43]	2019	CoRR	8
abs-1902-01193 abs-1902-01193	O. M. Alade, A. O. Amusat	Solving Nurse Scheduling Problem Using Constraint Programming Technique	Yes	[9]	2019	CoRR	9
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	[171]	2019	CoRR	62
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	[145]	2019	CoRR	16
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[28]	2018	Discret. Appl. Math.	10
BorghesiBLMB18 BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[72]	2018	Sustain. Comput. Informatics Syst.	13
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	[124]	2018	Constraints An Int. J.	22
GedikKEK18 GedikKEK18	R. Gedik, D. Kalathia, G. Egilmez, E. Kirac	A constraint programming approach for solving unrelated parallel machine scheduling problem	Yes	[143]	2018	Comput. Ind. Eng.	11
GokgurHO18 GokgurHO18	B. Gökgür, B. Hnich, S. Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	No	[156]	2018	Int. J. Prod. Res.	17
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	[233]	2018	Constraints An Int. J.	41
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	[324]	2018	Eur. J. Oper. Res.	12
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	[355]	2018	IEEE Trans. Syst. Man Cybern. Syst.	16
TangLWSK18 TangLWSK18	Y. Tang, R. Liu, F. Wang, Q. Sun, Amr A. Kandil	Scheduling Optimization of Linear Schedule with Constraint Programming	No	[370]	2018	Comput. Aided Civ. Infrastructure Eng.	28
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	[429]	2018	IEEE Trans. Engineering Management	18

Table 5: Articles from bibtex (Total 150)

Key	Authors	Title	LC	Cite	Year	Journal	Pages
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[228]	2017	Constraints An Int. J.	31
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[293]	2017	Constraints An Int. J.	18
Bonfietti16 Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	No	[63]	2016	Intelligenza Artificiale	13
BridiBLMB16 Bridi-BLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[77]	2016	IEEE Trans. Parallel Distributed Syst.	14
DoulabiRP16 Doula-biRP16	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling	No	[115]	2016	INFORMS J. Comput.	17
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	[299]	2016	Comput. Chem. Eng.	17
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	[424]	2016	J. Intell. Manuf.	17
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[123]	2015	CoRR	16
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	[155]	2015	Eur. J. Oper. Res.	12
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[202]	2015	Constraints An Int. J.	2
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[242]	2015	Constraints An Int. J.	52
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[292]	2015	Constraints An Int. J.	21
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[356]	2015	Constraints An Int. J.	2
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[359]	2015	Constraints An Int. J.	23
WangMD15 WangMD15	T. Wang, N. Meskens, D. Duvivier	Scheduling operating theatres: Mixed integer programming vs. constraint programming	Yes	[409]	2015	Eur. J. Oper. Res.	13
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[66]	2014	Artif. Intell.	28
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[163]	2014	Sustain. Comput. Informatics Syst.	16
KameugneFSN14 KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[206]	2014	Constraints An Int. J.	27
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[303]	2014	Expert Syst. Appl.	14
BegB13 BegB13	Mirza Omer Beg, Peter van Beek	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures	No	[41]	2013	ACM Trans. Embed. Comput. Syst.	23
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[179]	2013	Constraints An Int. J.	36
OzturkTHO13 OzturkTHO13	C. Öztürk, S. Tunali, B. Hnich, M. Arslan Ornek	Balancing and scheduling of flexible mixed model assembly lines	Yes	[309]	2013	Constraints An Int. J.	36
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[177]	2012	Constraints An Int. J.	12
LimtanyakulS12 LimtanyakulS12	K. Limtanyakul, U. Schwiegelshohn	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Yes	[249]	2012	Constraints An Int. J.	32
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[259]	2012	Constraints An Int. J.	35
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[258]	2012	Artif. Intell.	10

Table 5: Articles from bibtex (Total 150)

Key	Authors	Title	LC	Cite	Year	Journal	Pages
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	[302]	2012	Comput. Chem. Eng.	17
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[36]	2011	Constraints An Int. J.	5
BeckFW11 BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	No	[40]	2011	INFORMS J. Comput.	14
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the *cumulative* constraint in the context of non-overlapping rectangles	Yes	[45]	2011	Ann. Oper. Res.	24
BeniniLMR11 BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[53]	2011	Ann. Oper. Res.	27
HachemiGR11 HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[169]	2011	Ann. Oper. Res.	16
KelbelH11 KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[209]	2011	J. Intell. Manuf.	10
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[221]	2011	Constraints An Int. J.	24
KovacsK11 KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[223]	2011	Constraints An Int. J.	24
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	[343]	2011	Constraints An Int. J.	23
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[349]	2011	Constraints An Int. J.	33
TopalogluO11 TopalogluO11	S. Topaloglu, I. Ozkarahan	A constraint programming-based solution approach for medical resident scheduling problems	Yes	[381]	2011	Comput. Oper. Res.	10
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	[384]	2011	Comput. Ind. Eng.	7
LombardiM10a LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[256]	2010	Artif. Intell.	30
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	[261]	2010	Constraints An Int. J.	39
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[301]	2010	Comput. Chem. Eng.	20
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	[426]	2010	Eng. Appl. Artif. Intell.	20
BocewiczBB09 BocewiczBB09	G. Bocewicz, I. Bach, Zbigniew Antoni Banaszak	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling	No	[59]	2009	Int. J. Intell. Inf. Database Syst.	19
GarridoAO09 GarridoAO09	A. Garrido, M. Arangú, E. Onaindia	A constraint programming formulation for planning: from plan scheduling to plan generation	Yes	[137]	2009	J. Sched.	30
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	[338]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[318]	2009	CoRR	12
GarridoOS08 GarridoOS08	A. Garrido, E. Onaindia, Óscar Sapena	Planning and scheduling in an e-learning environment. A constraint-programming-based approach	Yes	[138]	2008	Eng. Appl. Artif. Intell.	11
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[220]	2008	Eng. Appl. Artif. Intell.	7
LiessM08 LiessM08	O. Liess, P. Michelon	A constraint programming approach for the resource-constrained project scheduling problem	Yes	[244]	2008	Ann. Oper. Res.	12
MalikMB08 MalikMB08	Abid M. Malik, J. McInnes, Peter van Beek	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming	No	[271]	2008	Int. J. Artif. Intell. Tools	18
Simonis07 Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[361]	2007	Constraints An Int. J.	30

Table 5: Articles from bibtex (Total 150)

Key	Authors	Title	LC	Cite	Year	Journal	Pages
Hooker06 Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[191]	2006	Constraints An Int. J.	19
KhayatLR06 KhayatLR06	Ghada El Khayat, A. Langevin, D. Riopel	Integrated production and material handling scheduling using mathematical programming and constraint programming	Yes	[211]	2006	Eur. J. Oper. Res.	15
SadykovW06 SadykovW06	R. Sadykov, Laurence A. Wolsey	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates	No	[341]	2006	INFORMS J. Comput.	9
SureshMOK06 SureshMOK06	S. Sundaram, V. Mani, S. N. Omkar, H. J. Kim	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach	No	[367]	2006	Int. J. Parallel Emergent Distributed Syst.	19
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[189]	2005	Constraints An Int. J.	17
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	[401]	2005	Constraints An Int. J.	23
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[425]	2005	Inteligencia Artif.	10
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	[320]	2004	Eur. J. Oper. Res.	16
KuchcinskiW03 KuchcinskiW03	K. Kuchcinski, C. Wolinski	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming	Yes	[229]	2003	J. Syst. Archit.	15
Tsang03 Tsang03	Edward P. K. Tsang	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems	Yes	[385]	2003	J. Sched.	2
LorigeonBB02 LorigeonBB02	T. Lorigeon, J. Billaut, J. Bouquard	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint	No	[263]	2002	J. Oper. Res. Soc.	8
Timpe02 Timpe02	C. Timpe	Solving planning and scheduling problems with combined integer and constraint programming	Yes	[379]	2002	OR Spectr.	18
MartinPY01 MartinPY01	F. Martin, A. Pinkney, X. Yu	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application	Yes	[273]	2001	Ann. Oper. Res.	17
Mason01 Mason01	Andrew J. Mason	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling	Yes	[274]	2001	Ann. Oper. Res.	38
ArtiguesR00 ArtiguesR00	C. Artigues, F. Roubellat	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes	Yes	[19]	2000	Eur. J. Oper. Res.	20
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[31]	2000	Constraints An Int. J.	21
HeipckeCCS00 HeipckeCCS00	S. Heipcke, Y. Colombani, Cristina C. B. Cavalcante, Cid C. de Souza	Scheduling under Labour Resource Constraints	Yes	[182]	2000	Constraints An Int. J.	8
KorbaaYG00 KorbaaYG00	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming	Yes	[218]	2000	Eur. J. Control	10
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	[262]	2000	Eur. J. Control	4
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[342]	2000	Constraints An Int. J.	30
SchildW00 SchildW00	K. Schild, J. Würtz	Scheduling of Time-Triggered Real-Time Systems	Yes	[344]	2000	Constraints An Int. J.	23
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	Yes	[54]	1999	Constraints An Int. J.	7
BelhadjiI98 BelhadjiI98	S. Belhadji, A. Isli	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	Yes	[48]	1998	Constraints An Int. J.	9
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[312]	1998	Constraints An Int. J.	25

Key	Authors	Title	LC	Cite	Year	Journal	Pages
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	[97]	1997	Constraints An Int. J.	20
FalaschiGMP97 FalaschiGMP97	M. Falaschi, M. Gabbrielli, K. Marriott, C. Palamidessi	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators	Yes	[125]	1997	Inf. Comput.	27
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[237]	1997	Artif. Intell. Eng.	15
Zhou97 Zhou97	J. Zhou	A Permutation-Based Approach for Solving the Job-Shop Problem	Yes	[432]	1997	Constraints An Int. J.	29
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[405]	1996	Constraints An Int. J.	30
AggounB93 AggounB93	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	Yes	[6]	1993	Mathematical and Computer Modelling	17
Tay92 Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	No	[374]	1992	Comput. J.	null
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[112]	1990	J. Log. Program.	19

Table 5: Articles from bibtex (Total 150)

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
AbohashimaEG21 [2]	14	scheduling, order, resource, setup-time, cmax, machine, transportation	parallel machine	cycle	Python	Gurobi			real-world, generated instance, github	0	
AbreuN22 [100]	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	0	
AggounB93 [6]	17	task, machine, precedence, order, job, activity, due-date, job-shop, flow-shop, resource, scheduling		circuit, bin-packing, disjunctive, cumulative	Prolog	OPL, CHIP	perfect-square, rectangle-packing		real-world	0	
AkramNHRSA23 [8]	16	resource, completion-time, preempt, scheduling, order, machine, task, distributed		cycle, bin-packing	Python	OR-Tools	medical, agriculture		benchmark	0	
AlfieriGPS23 [10]	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	patient		benchmark	0	
ArtiguesR00 [19]	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, due-date	RCPSP	cycle, cumulative, disjunctive		OZ				0	
AstrandJZ20 [24]	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	0	
BaptisteB18 [28]	10	resource, task, machine, preempt, manpower, lazy clause generation, precedence, scheduling, make-span, order, job	parallel machine, RCPSP, psplib	cumulative, bin-packing		CHIP				1	time-tabling, edge-finding, edge-finder
BaptisteP00 [31]	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	0	edge-finding, edge-finder, energetic reasoning
BartakS11 [36]	5	distributed, resource, scheduling, task, multi-agent, order		cumulative		OPL			random instance, real-world, real-life	2	
BeldiceanuCDP11 [45]	24	cmax, preempt, resource, task, order, scheduling		diffn, geost, disjunctive, cumulative, bin-packing	Prolog	SICStus, CHIP	rectangle-packing, perfect-square		benchmark	1	edge-finding, sweep, energetic reasoning

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
BelhadjiI98 [48]	9	precedence, release-date, job-shop, order, job, scheduling, resource, task, machine, preempt, due-date	Temporal Constraint Satisfaction Problem, TCSP, JSSP	disjunctive					real-life	0	
BenediktMH20 [50]	19	preempt, order, job, re-scheduling, task, job-shop, scheduling, machine	single machine	noOverlap, endBeforeStart		Gurobi	robot		github, benchmark, random instance, generated instance	4	
BeniniLMR11 [53]	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	0	
BensanaLV99 [54]	7	order		cycle		Cplex, Ilog Solver	satellite, earth observation		benchmark	0	
BonfiettiLBM14 [66]	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	0	time-tabling, sweep
BorghesiBLMB18 [72]	13	job, re-scheduling, make-span, resource, distributed, activity, task, machine, scheduling, order		cumulative, cycle			super-computer		benchmark, real-life	3	
BourreauGGLT22 [75]	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	2	
BridiBLMB16 [77]	14	re-scheduling, make-span, job, scheduling, resource, order, machine, activity, distributed, tardiness		cycle, cumulative, circuit		OZ	medical, super-computer		real-world, real-life	0	
Caballero23 [81]	1	resource, scheduling	RCPSP							1	
CampeauG22 [82]	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	0	edge-finding
CzerniachowskaWZ23 [95]	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	0	
Darby-DowmanLMZ97 [97]	20	machine, scheduling, order, task, make-span, resource	MGAP, single machine	span constraint, disjunctive	Prolog	Cplex, ECLiPSe	pipeline, aircraft		real-life, real-world, benchmark	0	
DincbasSH90 [112]	19	task, machine, job-shop, distributed, precedence, scheduling, resource, order, job		circuit, disjunctive	Prolog	CHIP, OPL			real-life	0	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
EscobetPQPRA19 [121]	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		1	
EvenSH15a [123]	16	preempt, distributed, transportation, resource, scheduling, completion-time, task, machine, order		disjunctive, cumulative	Java	Choco Solver, OPL			real-world, real-life	2	sweep
FahimiOQ18 [124]	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	0	not-last, time-tabling, sweep, edge-finding, not-first
FalaschiGMP97 [125]	27	order, scheduling			Prolog					0	
FanXG21 [126]	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	0	max-flow
FetgoD22 [127]	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	7	not-first, not-last, energetic reasoning, edge-finding, sweep, edge-finder, time-tabling
GarridoAO09 [137]	30	re-scheduling, precedence, scheduling, make-span, resource, order, task		disjunctive	Java	CPO, OPL, Choco Solver			benchmark	8	
GarridoOS08 [138]	11	scheduling, make-span, resource, order, activity, task, machine			Java, C	Choco Solver, CPO			real-world	0	
GedikKEK18 [143]	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	9	
GoelSHFS15 [155]	12	precedence, resource, inventory, setup-time, scheduling, activity, task, order, transportation, machine		cumulative, noOverlap, disjunctive, alwaysIn		OPL, Cplex, CPO	pipeline			0	
GrimesIOS14 [163]	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	9	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
GurPAE23 [168]	25	re-scheduling, order, scheduling, distributed, resource, inventory, machine		cumulative		OPL, Cplex, OZ	physician, patient, COVID, nurse		real-life	0	
HachemiGR11 [169]	16	task, precedence, job-shop, transportation, make-span, scheduling, resource, order, job, activity		cycle, alldifferent		OPL, Ilog Scheduler, Cplex	crew-scheduling, forestry	food industry		1	
HeinzNVH22 [180]	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	3	
HeinzSB13 [179]	36	preempt, due-date, resource, scheduling, precedence, order, completion-time, machine, job, release-date	RCPSP, single machine, psplib	disjunctive, cumulative		MiniZinc, Cplex	satellite		benchmark	1	time-tabling, edge-finding
HeinzSSW12 [177]	12	inventory, task, order		bin-packing		Cplex	steel mill	steel industry, process industry	real-world, CSPlib	2	
HeipckeCCS00 [182]	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	0	
Hooker05 [189]	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	0	edge-finding
Hooker06 [191]	19	machine, job, task, precedence, release-date, due-date, make-span, order, tardiness, scheduling, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance	2	
HubnerGSV21 [195]	22	completion-time, resource, order, job, inventory, activity, due-date, task, machine, preempt, transportation, cmax, tardiness, make-span, precedence, scheduling	RCPSPDC, RCPSP	cycle, cumulative, endBeforeStart, alternative constraint	C	Gurobi, Cplex, OPL	automotive		benchmark, real-life	4	
IsikYA23 [197]	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	4	energetic reasoning
Kameugne15 [202]	2	resource, scheduling, task, preempt, completion-time		cumulative						2	not-last, edge-finding, not-first

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
KameugneFSN14 [206]	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	2	energetic reasoning, edge-finding, not-last, not-first, edge-finder, time-tabling
KelbelH11 [209]	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	3	edge-finder, edge-finding
KhayatLR06 [211]	15	job-shop, due-date, scheduling, preempt, task, order, machine, activity, make-span, cmax, job, precedence, resource, setup-time				OPL, Cplex			real-life, benchmark	1	
KoehlerBFFHPSSS21 [216	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	9	
KorbaaYG00 [218]	10									0	
KovacsB08 [220]	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	0	sweep
KovacsB11 [221]	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	2	edge-finding
KovacsK11 [223]	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				2	
KreterSS17 [228]	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	5	edge-finding
KuchcinskiW03 [229]	15	scheduling, precedence, resource, distributed, order		cycle, circuit	Java		pipeline		benchmark	0	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
LaborieRSV18 [233]	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	chemical industry, petro-chemical industry	real-world, CSPlib, benchmark	3	edge-finding
LacknerMMWW23 [235]	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	0	time-tabling
LammaMM97 [237]	15	job-shop, resource, scheduling, precedence, order, task, job, distributed		circuit, disjunctive	C++, Prolog	ECLiPSe, OPL, CHIP	railway		real-life	0	
LetortCB15 [242]	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	4	energetic reasoning, sweep, edge-finding
LiessM08 [244]	12	preempt, resource, scheduling, machine, job, activity, precedence, job-shop, task, make-span, order, cmax	RCPSP, psplib	disjunctive, cumulative	C++	OZ			benchmark	0	edge-finding
LimtanyakulS12 [249]	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	1	not-last, energetic reasoning, not-first, edge-finding
LombardiM10a [256]	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	3	sweep
LombardiM12 [259]	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	0	energetic reasoning, edge-finding
LombardiM12a [258]	10	order, make-span, completion-time, resource, activity, precedence, producer/consumer, scheduling	psplib, RCPSP	disjunctive		Ilog Solver			benchmark	1	

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
LopesCSM10 [261]	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	2	max-flow
LopezAKYG00 [262]	4									0	
LunardiBLRV20 [264]	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	1	
MartinPY01 [273]	17	scheduling, task, order, machine, transportation, re-scheduling, resource		circuit	Prolog	ECLiPSe, Ilog Solver	railway, aircraft		real-life	0	
Mason01 [274]	38	scheduling, order, task, activity, transportation				OPL, OZ, Cplex	railway, crew-scheduling, nurse			0	
MengZRZL20 [277]	13	earliness, job-shop, scheduling, machine, preempt, sequence dependent setup, flow-time, flow-shop, order, completion-time, transportation, make-span, cmax, job, precedence, batch process, open-shop, distributed, tardiness, resource, no preempt, setup-time, task	Open Shop Scheduling Problem, OSP, parallel machine, FJS	alternative constraint, noOverlap, endBeforeStart		OPL, Gecode, Gurobi, OR-Tools, Cplex	robot, semiconductor		supplementary material, benchmark	0	
MontemanniD23 [283]	13	resource, distributed, order, scheduling, machine, task		circuit	Python	OPL, OR-Tools, Gurobi	robot		benchmark, supplementary material	6	
MontemanniD23a [282]	20	order, completion-time, task, transportation, scheduling		circuit	Python	OR-Tools			benchmark	0	
MullerMKP22 [287]	18	precedence, job-shop, batch process, scheduling, completion-time, order, setup-time, job, activity, due-date, resource, task, machine, preempt, cmax	FJS	disjunctive, circuit	Java, Python	Chuffed, MiniZinc, OZ, Gecode, Choco Solver, OPL, Cplex, OR-Tools	robot, semiconductor		benchmark, random instance, real-world, github	3	
NaderiRR23 [291]	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		github, benchmark	8	
NattafAL15 [292]	21	resource, release-date, due-date, scheduling, preempt, task, order, activity, make-span	CECSP, CuSP, RCPSP	cumulative	C++	Cplex			generated instance	1	sweep, energetic reasoning

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
NattafAL17 [293]	18	resource, release-date, scheduling, task, order, activity, make-span, job	CECSP	disjunctive, cumulative	C++	Cplex			real-world	2	edge-finding, energetic reasoning
NovaraNH16 [299]	17	earliness, machine, make-span, job, precedence, batch process, re-scheduling, tardiness, resource, setup-time, due-date, scheduling, activity, sequence dependent setup, manpower, task, order, completion-time		cumulative, noOverlap, endBeforeStart, disjunctive, alternative constraint		OPL, Cplex		pharmaceutical industry	CSPlib, benchmark	5	
Novas19 [300]	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	0	
NovasH10 [301]	20	precedence, batch process, due-date, re-scheduling, make-span, earliness, order, tardiness, scheduling, resource, completion-time, machine, setup-time, lateness, job, task, manpower, activity				OZ, OPL, Ilog Scheduler	pipeline			0	
NovasH12 [302]	17	precedence, make-span, transportation, order, scheduling, resource, completion-time, machine, job, task, activity		cycle		Ilog Solver, OZ, OPL, Ilog Scheduler	semiconductor, robot, hoist, electro-plating, container terminal			0	
NovasH14 [303]	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	0	
OzturkTHO13 [309]	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	2	edge-finding
PandeyS21a [310]	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	1	
PapaB98 [312]	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	0	edge-finder, energetic reasoning, edge-finding

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
PoderBS04 [320]	16	preempt, due-date, resource, scheduling, precedence, order, task, machine, activity, producer/consumer, release-date	RCPSP	cumulative	Prolog	CHIP		chemical industry		0	
PohlAK22 [321]	16	resource, activity, completion-time, setup-time, lateness, release-date, precedence, transportation, earliness, order, sequence dependent setup, rescheduling, tardiness, inventory, scheduling, machine, job	SCC, single machine	noOverlap, cumulative	Python	Gurobi, Cplex, OZ	aircraft		benchmark, real-world	2	
PourDERB18 [324]	12	scheduling, task, order, machine, transportation, job				Cplex, OR-Tools	crew-scheduling, railway		real-life, benchmark, real-world, generated instance	1	
PrataAN23 [328]	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	1	time-tabling
QinDCS20 [331]	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, container terminal		real-life, benchmark	0	
QinWSLS21 [330]	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			0	
RuggieroBBMA09 [338]	14	scheduling, order, resource, activity, preempt, setup-time, distributed, machine, precedence, task		circuit, cumulative, cycle		OZ, Ilog Solver, Ilog Scheduler, Cplex	pipeline, satellite		instance generator, real-life	0	
SacramentoSP20 [339]	33	preempt, distributed, machine, precedence, task, flow-shop, job-shop, open-shop, transportation, scheduling, order, completion-time, job, resource, make-span, activity	parallel machine, Open Shop Scheduling Problem	disjunctive, cumulative, alternative constraint, endBeforeStart, noOverlap	Java	Cplex, OZ, CPO	container terminal		benchmark, real-life, zenodo, real-world	4	
SakkoutW00 [342]	30	scheduling, distributed, task, order, job-shop, machine, preempt, activity, precedence, transportation, re-scheduling, resource, job	KRFP, single machine	bin-packing, disjunctive		CHIP, Cplex	aircraft		benchmark, real-world	0	edge-finding, edge-finder
SchausHMCMD11 [343]	23	order, task	SCC	bin-packing			steel mill	steel industry	benchmark, CSPlib, generated instance	3	

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
SchildW00 [344]	23	distributed, job-shop, flow-shop, resource, scheduling, completion-time, task, machine, precedence, order, job	single machine	disjunctive, cycle, bin-packing		OZ, Ilog Solver	automotive	automotive industry, aerospace industry		0	time-tabling, edge-finding
SchuttFSW11 [349]	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	7	not-last, not-first, edge-finding, edge-finder
ShinBBHO18 [355]	16	scheduling, task, order, machine, preempt, activity, transportation, resource, inventory, job					patient, physician, medical, nurse		github, real-world	4	
Siala15 [356]	2	resource, scheduling		disjunctive					benchmark	2	
SimoninAHL15 [359]	23	resource, activity, precedence, preempt, scheduling, order, inventory, transportation, task, make-span		disjunctive, span constraint, cumulative, cycle		CHIP	earth observation, satellite, pipeline, robot			0	sweep
Simonis07 [361]	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			0	time-tabling, sweep, bi-partite matching
SubulanC22 [364]	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	2	
Timpe02 [379]	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		0	
TopalogluO11 [381]	10	order, re-scheduling, task, distributed, transportation, preempt, scheduling				Cplex, OPL, OZ, Ilog Solver	nurse, medical, physician, patient		real-life	2	time-tabling
TrojetHL11 [384]	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	2	
Tsang03 [385]	2	resource, scheduling							real-life	0	time-tabling
VilimBC05 [401]	23	setup-time, sequence dependent setup, distributed, job-shop, batch process, resource, scheduling, make-span, open-shop, completion-time, task, machine, precedence, order, job, activity		disjunctive, cumulative, cycle					benchmark, real-life	0	not-first, sweep, edge-finding, not-last

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
VlkHT21 [404]	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	0	
Wallace96 [405]	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		0	time-tabling
WallaceY20 [406]	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	2	edge-finding, time-tabling
WangMD15 [409]	13	make-span, scheduling, job, resource, activity, completion-time, job-shop, task, precedence, order, cmax, re-scheduling		noOverlap, cumulative		OPL, Cplex, OZ	nurse, medical, physician, patient		real-life, real-world	2	time-tabling
WikarekS19 [412]	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			0	
YuraszeckMCCR23 [423]	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	0	
ZarandiKS16 [424]	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	0	time-tabling
ZeballosH05 [425]	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			0	
ZeballosQH10 [426]	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	4	
ZhangW18 [429]	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	0	

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
ZhangYW21 [428]	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	0	
Zhou97 [432]	29	release-date, job-shop, due-date, task, order, preempt, scheduling, precedence, completion-time, job, machine		cumulative, disjunctive	Prolog	CHIP, Ilog Scheduler, Z3			benchmark	0	edge-finding, edge-finder
abs-0907-0939 [318]	12	resource, order, activity, due-date, preempt, scheduling, make-span, release-date, task		cumulative	Java	Choco Solver, CHIP			real-world	0	sweep, energetic reasoning, edge-finding
abs-1901-07914 [43]	8	multi-agent, scheduling, order, resource, make-span, distributed, machine, task			Python	OZ, MiniZinc, OR-Tools	robot		benchmark, real-world, github	0	
abs-1902-01193 [9]	9	order, resource, activity, BOM, task, scheduling			C++, Prolog, Python	Ilog Solver, CHIP, OPL	medical, nurse			0	time-tabling
abs-1902-09244 [171]	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	0	
abs-1911-04766 [145]	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	10	time-tabling
abs-2211-14492 [365]	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	1	
abs-2305-19888 [181]	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	1	
abs-2306-05747 [373]	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	0	

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Links	Algorithm
abs-2312-13682 [316]	20	re-scheduling, scheduling, order, resource, make-span, activity, machine, transportation, inventory, task		cumulative, table constraint		OPL	steel mill, container terminal, nurse		real-world, generated instance	0	
abs-2402-00459 [295]	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	2	

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
PrataAN23 PrataAN23	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	-	-		-	-	survey	-
abs-2402-00459 abs-2402-00459	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	OR-Tools	y		n	-	RCJS	cumulatives
AbreuNP23 AbreuNP23	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	?	?		?	?	?	?
AkramNHRSA23 AkramNHRSA23	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming	OR-Tools	n		n	-	TSN	-
AlfieriGPS23 AlfieriGPS23	Permutation flowshop problems minimizing core waiting time and core idle time							
Caballero23 Caballero23	Scheduling through logic-based tools	SAT	-		-	PhD Thesis	RCPSP	-
CzerniachowskaWZ23 CzerniachowskaWZ23	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations							
GurPAE23 GurPAE23	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Cplex	n		n	-	-	-
IsikYA23 IsikYA23	Constraint programming models for the hybrid flow shop scheduling problem and its extensions	OPL CP Opt	y		y	-	HFSP	alternative endBeforeStart noOverlap cumulative
LacknerMMWW23 LacknerMMWW23	Exact methods for the Oven Scheduling Problem	MiniZinc OPL	DZN JSON		y	[234]	OSP	alternative noOverlap forbidExtent
MontemanniD23 MontemanniD23	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	OR-Tools	ref	y	n	-	PDSTSP	circuit
MontemanniD23a MontemanniD23a	Constraint programming models for the parallel drone scheduling vehicle routing problem	OR-Tools	ref		n	-	PDSTSP	circuit multipleCircuit
NaderiRR23 NaderiRR23	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook							
ShaikhK23 ShaikhK23	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	?	?		?	?	?	?
YuraszeckMCCR23 YuraszeckMCCR23	A Constraint Programming Formulation of the Multi-Mode Resource-Constrained Project Scheduling Problem for the Flexible Job Shop Scheduling Problem	CP Opt	ref		n	-	FJSSP	alternative endBeforeStart cumulative
abs-2305-19888 abs-2305-19888	Constraint Programming and Constructive Heuristics for Parallel Machine Scheduling with Sequence-Dependent Setups and Common Servers	CP Opt Gurobi	y	y	n	-	$P\|seq,ser\|C_{max}$	alternative noOverlap cumulative
abs-2306-05747 abs-2306-05747	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	custom Choco	ref		n	-	JSSP	noOverlap
abs-2312-13682 abs-2312-13682	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended	custom	n		n	-	SUTP	table disjunctive
AbreuN22 AbreuN22	A new hybridization of adaptive large neighborhood search with constraint programming for open shop scheduling with sequence-dependent setup times	Cplex CP Opt	y		n	-	OSSPST	noOverlap
BourreauGGLT22 BourreauGGLT22	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)							
CampeauG22 CampeauG22	Short- and medium-term optimization of underground mine planning using constraint programming	CP Opt	ref		n			pulse alwaysIn endBeforeStart noOverlap
FetgoD22 FetgoD22	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited							

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
HeinzNVH22 HeinzNVH22	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers							
MullerMKP22 MullerMKP22	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning							
PohlAK22 PohlAK22	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach							
ShiYXQ22 ShiYXQ22	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach							
SubulanC22 SubulanC22	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem							
YunusogluY22 YunusogluY22	Constraint programming approach for multi-resource-constrained unrelated parallel machine scheduling problem with sequence-dependent setup times							
abs-2211-14492 abs-2211-14492	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling							
AbohashimaEG21 AbohashimaEG21	A Mathematical Programming Model and a Firefly-Based Heuristic for Real-Time Traffic Signal Scheduling With Physical Constraints							
FanXG21 FanXG21	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints							
HubnerGSV21 HubnerGSV21	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics							
KoehlerBFFHPSSS21 KoehlerBFFHPSSS21	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	DZN		y	-	CTW	alldifferent inverse
PandeyS21a PandeyS21a	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization							
QinWSLS21 QinWSLS21	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint							
VlkHT21 VlkHT21	Constraint programming approaches to joint routing and scheduling in time-sensitive networks							
ZhangYW21 ZhangYW21	A graph-based constraint programming approach for the integrated process planning and scheduling problem							
AlizdehS20 AlizdehS20	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming							
AstrandJZ20 AstrandJZ20	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search							
BadicaBI20 BadicaBI20	Block structured scheduling using constraint logic programming							
BenediktMH20 BenediktMH20	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	CP Opt Gurobi	JSON		y			

Table 7: Manually Defined Article Properties

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
LunardiBLRV20 LunardiBLRV20	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem							
MengZRZL20 MengZRZL20	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem							
MokhtarzadehTNF20 MokhtarzadehTNF20	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach							
Polo-MejiaALB20 Polo-MejiaALB20	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility							
QinDCS20 QinDCS20	Combining mixed integer programming and constraint programming to solve the integrated scheduling problem of container handling operations of a single vessel							
SacramentoSP20 SacramentoSP20	Constraint Programming and Local Search Heuristic: a Matheuristic Approach for Routing and Scheduling Feeder Vessels in Multi-terminal Ports							
WallaceY20 WallaceY20	A new constraint programming model and solving for the cyclic hoist scheduling problem	MiniZinc	DZN		y		CHSP	
EscobetPQPRA19 EscobetPQPRA19	Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach							
NishikawaSTT19 NishikawaSTT19	A Constraint Programming Approach to Scheduling of Malleable Tasks							
Novas19 Novas19	Production scheduling and lot streaming at flexible job-shops environments using constraint programming							
WikarekS19 WikarekS19	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems							
abs-1901-07914 abs-1901-07914	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks							
abs-1902-01193 abs-1902-01193	Solving Nurse Scheduling Problem Using Constraint Programming Technique							
abs-1902-09244 abs-1902-09244	On constraint programming for a new flexible project scheduling problem with resource constraints							
abs-1911-04766 abs-1911-04766	Investigating Constraint Programming and Hybrid Methods for Real World Industrial Test Laboratory Scheduling							
BaptisteB18 BaptisteB18	Redundant cumulative constraints to compute preemptive bounds							
BorghesiBLMB18 BorghesiBLMB18	Scheduling-based power capping in high performance computing systems							
FahimiOQ18 FahimiOQ18	Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last	Choco	(y)		n		RCPSP	disjunctive cumulative
GedikKEK18 GedikKEK18	A constraint programming approach for solving unrelated parallel machine scheduling problem							
GokgurHO18 GokgurHO18	Parallel machine scheduling with tool loading: a constraint programming approach							
LaborieRSV18 LaborieRSV18	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	OP Opt	-		-	-	-	-
PourDERB18 PourDERB18	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem							
ShinBBHO18 ShinBBHO18	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling							

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Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
TangLWSK18 TangLWSK18	Scheduling Optimization of Linear Schedule with Constraint Programming							
ZhangW18 ZhangW18	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							
KreterSS17 KreterSS17	Using constraint programming for solving RCPSP/max-cal	MiniZinc Chuffed Cplex	dead			[227]	RCPSP	cumulative cumulativeCalendar
NattafAL17 NattafAL17	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Cplex	n		n	-	CECSP	-
Bonfietti16 Bonfietti16	A constraint programming scheduling solver for the MPOpt programming environment							
BridiBLMB16 BridiBLMB16	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines							
DoulabiRP16 DoulabiRP16	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling							
NovaraNH16 NovaraNH16	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation							
ZarandiKS16 ZarandiKS16	A constraint programming model for the scheduling of JIT cross-docking systems with preemption							
EvenSH15a EvenSH15a	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling							
GoelSHFS15 GoelSHFS15	Constraint programming for LNG ship scheduling and inventory management							
Kameugne15 Kameugne15	Propagation techniques of resource constraint for cumulative scheduling	-	-		-	PhDThesis	RCPSP	
LetortCB15 LetortCB15	Synchronized sweep algorithms for scalable scheduling constraints	Choco SICStus	dead		-	[241]	-	cumulative dimCumulative dimCumulativePrecedences
NattafAL15 NattafAL15	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Cplex	n		n		CSCSP	
Siala15 Siala15	Search, propagation, and learning in sequencing and scheduling problems	-	-		-	PhD Thesis		
SimoninAHL15 SimoninAHL15	Scheduling scientific experiments for comet exploration	MOST Ilog Scheduler	n		n	[358]		cumulative dataTransfer
WangMD15 WangMD15	Scheduling operating theatres: Mixed integer programming vs. constraint programming							
BonfiettiLBM14 BonfiettiLBM14	CROSS cyclic resource-constrained scheduling solver							
GrimesIOS14 GrimesIOS14	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling							
KameugneFSN14 KameugneFSN14	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Gecode	y			[205]	CuSP	cumulative
NovasH14 NovasH14	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming							
BegB13 BegB13	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures							
HeinzSB13 HeinzSB13	Using dual presolving reductions to reformulate cumulative constraints	Cplex SCIP	ref		-	-	RCPSP RCPSP/max	cumulative
OzturkTHO13 OzturkTHO13	Balancing and scheduling of flexible mixed model assembly lines	Ilog Solver Ilog Scheduler Cplex	y		-	-	SBSFMMAL	alldifferent disjunctive

Table 7: Manually Defined Article Properties

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
HeinzSSW12 HeinzSSW12	Solving steel mill slab design problems		Cplex		dead	-	SMSDP	-
LimtanyakulS12 Limtanyakul S12	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Cplex Ilog Scheduler	dead		-	-		
LombardiM12 LombardiM12	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	-	-		-	-	survey	-
LombardiM12a LombardiM12a	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling							
NovasH12 NovasH12	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations							
BartakS11 BartakS11	Constraint satisfaction for planning and scheduling problems	-	-		-		survey	
BeckFW11 BeckFW11	Combining Constraint Programming and Local Search for Job-Shop Scheduling							
BeldiceanuCDP11 BeldiceanuCDP11	New filtering for the *cumulative* constraint in the context of non-overlapping rectangles							
BeniniLMR11 BeniniLMR11	Optimal resource allocation and scheduling for the CELL BE platform							
HachemiGR11 HachemiGR11	A hybrid constraint programming approach to the log-truck scheduling problem							
KelbelH11 KelbelH11	Solving production scheduling with earliness/tardiness penalties by constraint programming							
KovacsB11 KovacsB11	A global constraint for total weighted completion time for unary resources	Ilog Scheduler	n		n	-		Completion
KovacsK11 KovacsK11	Constraint programming approach to a bilevel scheduling problem	Ilog Solver	n		n	-	Bilevel Opt	
SchausHMCMD11 SchausHMCMD11	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Comet	dead				SMSDP	
SchuttFSW11 SchuttFSW11	Explaining the cumulative propagator	MiniZinc	PSPLib		-	-	RCPSP	cumulative
TopalogluO11 TopalogluO11	A constraint programming-based solution approach for medical resident scheduling problems							
TrojetHL11 TrojetHL11	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework							
LombardiM10a LombardiM10a	Allocation and scheduling of Conditional Task Graphs							
LopesCSM10 LopesCSM10	A hybrid model for a multiproduct pipeline planning and scheduling problem	Ilog Solver	-		-	[286, 285]		
NovasH10 NovasH10	Reactive scheduling framework based on domain knowledge and constraint programming							
ZeballosQH10 Zeballos QH10	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations							
BocewiczBB09 BocewiczBB09	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling							
GarridoAO09 GarridoAO09	A constraint programming formulation for planning: from plan scheduling to plan generation							
RuggieroBBMA09 RuggieroBBMA09	Reducing the Abstraction and Optimality Gaps in the Allocation and Scheduling for Variable Voltage/Frequency MPSoC Platforms							
abs-0907-0939 abs-0907-0939	The Soft Cumulative Constraint							
GarridoOS08 GarridoOS08	Planning and scheduling in an e-learning environment. A constraint-programming-based approach							

Table 7: Manually Defined Article Properties

Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
KovacsB08 KovacsB08	A global constraint for total weighted completion time for cumulative resources							
LiessM08 LiessM08	A constraint programming approach for the resource-constrained project scheduling problem							
MalikMB08 MalikMB08	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming							
Simonis07 Simonis07	Models for Global Constraint Applications	CHIP	n		n			cumulative diffn cycle inverse
Hooker06 Hooker06	An Integrated Method for Planning and Scheduling to Minimize Tardiness	OPL Cplex Ilog Scheduler	n		n	[190]	CuSP	cumulative
KhayatLR06 KhayatLR06	Integrated production and material handling scheduling using mathematical programming and constraint programming							
SadykovW06 SadykovW06	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates							
SureshMOK06 SureshMOK06	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach							
Hooker05 Hooker05	A Hybrid Method for the Planning and Scheduling	OPL Cplex Ilog Scheduler	n		n	[188]	CuSP	cumulative
VilimBC05 VilimBC05	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities		n		n	[400]	JSSP	disjunctive
ZeballosH05 ZeballosH05	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources							
PoderBS04 PoderBS04	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption							
KuchcinskiW03 KuchcinskiW03	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming							
Tsang03 Tsang03	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems							
LorigeonBB02 LorigeonBB02	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint							
Timpe02 Timpe02	Solving planning and scheduling problems with combined integer and constraint programming							
MartinPY01 MartinPY01	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application							
Mason01 Mason01	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling							
ArtiguesR00 ArtiguesR00	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes							
BaptisteP00 BaptisteP00	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	CLAIRE	n		n		RCCSP	cumulative
HeipckeCCS00 HeipckeCCS00	Scheduling under Labour Resource Constraints	COME SchedEns	dead		n	-		
KorbaaYG00 KorbaaYG00	Solving Transient Scheduling Problems with Constraint Programming							

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Key	Title	CP System	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints
LopezAKYG00 LopezA-KYG00	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina							
SakkoutW00 SakkoutW00	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Cplex ECLiPSe	n		n	-	KRFP	
SchildW00 SchildW00	Scheduling of Time-Triggered Real-Time Systems	OZ	n		n	-		disjunctive
BensanaLV99 BensanaLV99	Earth Observation Satellite Management	Ilog Solver	?		-	-		
BelhadjiI98 BelhadjiI98	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	-	n		n	-	TCSP JSSP	
PapaB98 PapaB98	Resource Constraints for Preemptive Job-shop Scheduling	Ilog Solver Claire	dead		-	-	PJSSP	disjunctive flow
Darby-DowmanLMZ97 Darby-DowmanLMZ97	Constraint Logic Programming and Integer Programming Approaches and Their Collaboration in Solving an Assignment Scheduling Problem	Cplex ECLiPSe	n		n	-	MGAP	
FalaschiGMP97 FalaschiGMP97	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators							
LammaMM97 LammaMM97	A distributed constraint-based scheduler							
Zhou97 Zhou97	A Permutation-Based Approach for Solving the Job-Shop Problem	-	n		n	[431]	JSSP	sort alldifferent permutation
Wallace96 Wallace96	Practical Applications of Constraint Programming	-	-		-	-	Survey	-
AggounB93 AggounB93	Extending CHIP in order to solve complex scheduling and placement problems							
Tay92 Tay92	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling							
DincbasSH90 DincbasSH90	Solving Large Combinatorial Problems in Logic Programming							

4 Authors

Table 8: Co-Authors of Articles/Papers

Author	Entries
Michela Milano	BorghesiBLMB18[72] BonfiettiZLM16[70] BridiBLMB16[77] BridiLBBM16[78] LombardiBM15[253] BartoliniBBLM14[37] BonfiettiLM14[68] BonfiettiLBM14[66] BonfiettiLM13[67] LombardiM13[260] LombardiM12[259] BonfiettiLBM12[65] LombardiM12a[258] BonfiettiM12[69] BonfiettiLBM11[64] LombardiBMB11[254] BeniniLMR11[53] LombardiM10a[257] Lombardi10a[256] LombardiM09[255] RuggieroBBMA09[338] BeniniBGM06[52] LammaMM97[237] BrusoniCLMMT96[79]
Michele Lombardi	BorghesiBLMB18[72] BonfiettiZLM16[70] BridiBLMB16[77] BridiLBBM16[78] LombardiBM15[253] BartoliniBBLM14[37] BonfiettiLM14[68] BonfiettiLBM14[66] BonfiettiLM13[67] LombardiM13[260] LombardiM12[259] BonfiettiLBM12[65] LombardiM12a[258] BonfiettiLBM11[64] LombardiBMB11[254] BeniniLMR11[53] LombardiM10[257] LombardiM10a[256] LombardiM09[255] HoeveGSL07[390]
Andreas Schutt	YangSS19[419] KreterSS17[228] YoungFS17[420] GoldwaserS17[157] SchuttS16[350] SzerediS16[368] KreterSS15[227] EvenSH15[122] EvenSH15a[123] SchuttFS13[347] cpaior-SchuttFS13[346] GuSS13[167] SchuttCSW12[345] SchuttFSW11[349] SchuttW10[351] SchuttFSW09[348]
Nicolas Beldiceanu	Madi-WambaLOBM17[267] Madi-WambaB16[266] LetortCB15[242] LetortCB13[241] LetortBC12[240] ClercqPBJ11[91] BeldiceanuCDP11[45] BeldiceanuCP08[46] PoderB08[319] BeldiceanuP07[47] PoderBS04[320] BeldiceanuC02[44] AggounB93[6] AggounB92[5]
J. Christopher Beck	TangB20[369] BoothNB16[71] KoschB14[219] HeinzSB13[179] HeinzKB13[176] HeinzB12[175] KovacsB11[221] BeckFW11[40] WatsonB08[410] KovacsB08[220] CarchraeBF05[84] WuBB05[418] BeckDF97[39]
Emmanuel Hebrard	JuvinHHL23[199] AntuoriHHEN21[13] GodetLHS20[154] SimoninAHL15[359] SialaAH15[357] BessiereHMQW14[56] SimoninAHL12[358] BillautHL12[57] GrimesH11[161] GrimesH10[160] GrimesHM09[162] HebrardTW05[173]
Peter J. Stuckey	YangSS19[419] DemirovicS18[106] KreterSS17[228] SchuttS16[350] KreterSS15[227] BurtLPS15[80] SchuttFS13[347] cpaior-SchuttFS13[346] GuSS13[167] SchuttCSW12[345] SchuttFSW11[349] SchuttFSW09[348]
Pierre Lopez	JuvinHHL23[199] JuvinHL23[200] Polo-MejiaALB20[322] NattafAL17[293] SimoninAHL15[359] NattafAL15[292] SimoninAHL12[358] BillautHL12[57] LahimerLH11[236] TrojetHL11[384] LopezAKYG00[262]
Petr Vilím	LaborieRSV18[233] VilimLS15[402] Vilim11[399] Vilim09[397] cpaior-Vilim09[398] VilimBC05[401] Vilim05[396] VilimBC04[400] Vilim04[395] Vilim03[394] Vilim02[393]
Christian Artigues	PovedaAA23[325] PohlAK22[321] Polo-MejiaALB20[322] NattafAL17[293] SimoninAHL15[359] NattafAL15[292] SialaAH15[357] SimoninAHL12[358] ArtiguesBF04[18] ArtiguesR00[19]
Luca Benini	BorghesiBLMB18[72] BridiBLMB16[77] BridiLBBM16[78] BonfiettiLBM14[66] BonfiettiLBM12[65] BonfiettiLBM11[64] LombardiBMB11[254] BeniniLMR11[53] RuggieroBBMA09[338] BeniniBGM06[52]
Alessio Bonfietti	BonfiettiZLM16[70] Bonfietti16[63] LombardiBM15[253] BonfiettiLM14[68] BonfiettiLBM14[66] BonfiettiLM13[67] BonfiettiLBM12[65] BonfiettiM12[69] BonfiettiLBM11[64] LombardiBMB11[254]
John N. Hooker	Hooker17[192] HechingH16[174] CireCH13[90] CobanH10[92] Hooker06[191] Hooker05[189] cp-Hooker05[190] Hooker04[188] HookerY02[193]
Claude-Guy Quimper	BoudreaultSLQ22[74] OuelletQ22[307] Mercier-AubinGQ20[278] FahimiOQ18[124] KameugneFGOQ18[203] OuelletQ18[306] GingrasQ16[152] BessiereHMQW14[56] OuelletQ13[305]
Pierre Schaus	CappartS17[83] CauwelaertDMS16[86] DejemeppeCS15[103] GayHLS15[139] GayHS15[140] cpaior-GayHS15[141] HoundjiSWD14[194] GaySS14[142] SchausHMCMD11[343]
Pascal Van Hentenryck	FontaineMH16[128] EvenSH15[122] EvenSH15a[123] SchausHMCMD11[343] MonetteDH09[281] DoomsH08[113] HentenryckM08[184] HentenryckM04[183] DincbasSH90[112]
Philippe Baptiste	BaptisteB18[28] Baptiste09[27] BaptisteLPN06[29] ArtiouchineB05[20] BaptisteP00[31] PapaB98[312] BaptisteP97[30] PapeB97[311]
Mats Carlsson	WessenCS20[411] MossigeGSMC17[284] LetortCB15[242] LetortCB13[241] LetortBC12[240] BeldiceanuCDP11[45] BeldiceanuCP08[46] BeldiceanuC02[44]
Nysret Musliu	LacknerMMWW23[235] WinterMMWW22[413] LacknerMMWW21[234] GeibingerKKMMW21[144] GeibingerMM21[147] GeibingerMM19[146] abs-1911-04766[145] KletzanderM17[215]
Helmut Simonis	ArmstrongGOS22[16] ArmstrongGOS21[15] GrimesIOS14[163] IfrimOS12[196] Simonis07[361] SimonisC95[362] Simonis95[360] DincbasSH90[112]
Zdenek Hanzálek	Mehdizadeh-Somarin23[275] abs-2305-19888[181] HeinzNVH22[180] VlkHT21[404] BenediktMH20[50] BenediktSMVH18[51] KelbelH11[209]
Philippe Laborie	LunardiBLRV20[264] LaborieRSV18[233] Laborie18a[232] MelgarejoLS15[7] VilimLS15[402] Laborie09[231] BaptisteLPN06[29]
Gabriela P. Henning	NovaraNH16[299] NovasH14[303] NovasH12[302] NovasH10[301] ZeballosQH10[426] QuirogaZH05[333]
Stefan Heinz	HeinzSB13[179] HeinzKB13[176] HeinzSSW12[177] HeinzB12[175] HeinzS11[178] BertholdHLMS10[55]
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Emmanuel Poder	BeldiceanuCDP11[45] abs-0907-0939[318] BeldiceanuCP08[46] PoderB08[319] BeldiceanuP07[47] PoderBS04[320]
Mark Wallace	WallaceY20[406] He0GLW18[172] SchuttFSW09[348] SakkoutW00[342] RodosekW98[336] Wallace96[405]
Roman Barták	BartakS11[36] VilimBC05[401] VilimBC04[400] Bartak02[35] Bartak02a[34]
Yves Deville	HoundjiSWD14[194] DejemeppeD14[104] SchausHMCMD11[343] MonetteDH09[281] MonetteDD07[280]
Thibaut Feydy	YoungFS17[420] SchuttFS13[347] cpaior-SchuttFS13[346] SchuttFSW11[349] SchuttFSW09[348]
Roger Kameugne	KameugneFND23[204] KameugneFGOQ18[203] KameugneFSN14[206] KameugneFSN11[205]
Claude Le Pape	BaptisteLPN06[29] BaptisteP00[31] PapaB98[312] BaptisteP97[30] PapeB97[311]
Juan M. Novas	Novas19[300] NovaraNH16[299] NovasH14[303] NovasH12[302] NovasH10[301]
Louis-Martin Rousseau	DoulabiRP16[115] PesantRR15[317] DoulabiRP14[114] ChapadosJR11[88] HachemiGR11[169]

Table 8: Co-Authors of Articles/Papers

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Steven Gay	GayHLS15[139] GayHS15[140] cpaior-GayHS15[141] GaySS14[142]
Tobias Geibinger	GeibingerKKMMW21[144] GeibingerMM21[147] GeibingerMM19[146] abs-1911-04766[145]
Diarmuid Grimes	GrimesIOS14[163] GrimesH11[161] GrimesH10[160] GrimesHM09[162]
Krzysztof Kuchcinski	WolinskiKG04[416] WolinskiKG04a[417] KuchcinskiW03[229] GruianK98[166]
Laurent Michel	TardivoDFMP23[371] SchausHMCMD11[343] HentenryckM08[184] HentenryckM04[183]
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Jean-Noël Monette	CauwelaertDMS16[86] SchausHMCMD11[343] MonetteDH09[281] MonetteDD07[280]
Margaux Nattaf	NattafM20[294] MalapertN19[269] NattafAL17[293] NattafAL15[292]
Barry O'Sullivan	ArmstrongGOS22[16] ArmstrongGOS21[15] GrimesIOS14[163] IfrimOS12[196]
Yanick Ouellet	OuelletQ22[307] FahimiOQ18[124] KameugneFGOQ18[203] OuelletQ18[306]
Gilles Pesant	AalianPG23[1] DoulabiRP16[115] PesantRR15[317] DoulabiRP14[114]
Thierry Petit	DerrienP14[108] DerrienPZ14[109] ClercqPBJ11[91] abs-0907-0939[318]
Christine Solnon	GroleazNS20[165] GroleazNS20a[164] SacramentoSP20[339] MelgarejoLS15[7]
Marek Vlk	abs-2305-19888[181] HeinzNVH22[180] VlkHT21[404] BenediktSMVH18[51]
József Váncza	KovacsV06[225] KovacsEKV05[222] KovacsV04[224] VanczaM01[391]
Felix Winter	LacknerMMWW23[235] WinterMMW22[413] LacknerMMWW21[234] GeibingerKKMMW21[144]
Armin Wolf	GeitzGSSW22[148] SchuttW10[351] WolfS05[415] Wolf03[414]
Max Åstrand	Astrand0F21[22] Astrand21[21] AstrandJZ20[24] AstrandJZ18[23]
Sévérine Betmbe Fetgo	KameugneFND23[204] FetgoD22[127] KameugneFGOQ18[203]
Miquel Bofill	BofillCSV17[60] BofillGSV15[62] BofillEGPSV14[61]
Thomas Bridi	BridiBLMB16[77] BridiLBBM16[78] BartoliniBBLM14[37]
Cid C. de Souza	MouraSCL08[286] MouraSCL08a[285] HeipckeCCS00[182]
Sophie Demassey	HermenierDL11[185] BeldiceanuCDP11[45] Demassey03[105]
Alban Derrien	Derrien15[107] DerrienP14[108] DerrienPZ14[109]
Michele Garraffa	AlfieriGPS23[10] ArmstrongGOS22[16] ArmstrongGOS21[15]
Martin Gebser	TasselGS23[372] abs-2306-05747[373] KovacsTKSG21[226]
Jean-Claude Gentina	KorbaaYG00[218] LopezAKYG00[262] KorbaaYG99[217]
Renaud Hartert	GayHLS15[139] GayHS15[140] cpaior-GayHS15[141]
Brahim Hnich	GokgurHO18[156] OzturkTHO13[309] RossiTHP07[337]
Andrew J. Davenport	Davenport10[98] DavenportKRSH07[99] BeckDF97[39]
Mikael Johansson	Astrand0F21[22] AstrandJZ20[24] AstrandJZ18[23]
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Feipei Lai	HoYCLLCLC18[187]
Jui-Fen Lai	HoYCLLCLC18[187]
André Langevin	KhayatLR06[211]
Christophe Lecoutre	GayHLS15[139]
Myungho Lee	KimCMLLP23[213]
Kangbok Lee	KimCMLLP23[213]
Solange Lemai-Chenevier	PraletLJ15[327]
Xingyang Li	LiFJZLL22[243]
Siyi Li	LiFJZLL22[243]
Xiaodong Li	abs-2211-14492[365]
Guipeng Li	ZhouGL15[433]
Hong Li	SunLYL10[366]
Nan Li	SunLYL10[366]
Yunbo Li	Madi-WambaLOBM17[267]
Wan-Chung Liao	HoYCLLCLC18[187]
Ariel Liebman	He0GLW18[172]
Olivier Liess	LiessM08[244]
Andrew Lim	LimRX04[245]
Nir Lipovetzky	BurtLPS15[80]

Table 8: Co-Authors of Articles/Papers

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Rengkui Liu	TangLWSK18[370]
Yuechang Liu	LiuJ06[252]
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Thomas Lorigeon	LorigeonBB02[263]
Chang Lv	MengZRZL20[277]
Zhimin Lv	ZhangLS12[430]
Sven Löffler	LiuLH19[250]
J. M. van den Akker	AkkerDH07[387]
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Shahrzad M. Pour	PourDERB18[324]
Franco M. Novara	NovaraNH16[299]
Rafael M. Gasca	ValleMGT03[386]
Jun Ma	MakMS10[268]
Amy Mainville Cohn	BarlattCG08[33]
Kai-Ling Mak	MakMS10[268]
V. Mani	SureshMOK06[367]
Oscar Manzano	MurphyMB15[289]
Kourosh Marjani Rasmussen	PourDERB18[324]
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Fae Martin	MartinPY01[273]
Jacopo Mauro	LiuCGM17[251]
Jim McInnes	MalikMB08[271]
Zahra Mehdizadeh-Somarin	Mehdizadeh-Somarin23[275]
Haci Mehmet Alakas	GurPAE23[168]
Sebastian Meiswinkel	WinterMMW22[413]
Gonzalo Mejía	YuraszeckMC23[422]
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Leilei Meng	MengZRZL20[277]
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Nadine Meskens	WangMD15[409]
Bernd Meyer	ThiruvadyBME09[378]
Gautam Mitra	Darby-DowmanLMZ97[97]
Mahdi Mokhtarzadeh	MokhtarzadehTNF20[279]
Elizabeth Montero	YuraszeckMCCR23[423]
Kyungduk Moon	KimCMLLP23[213]
Morten Mossige	MossigeGSMC17[284]
Alix Munier Kordon	HanenKP21[170]
Stanislav Murín	MurinR19[288]
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David Müller	MullerMKP22[287]
András Márkus	VanczaM01[391]
Marc-André Ménard	BessiereHMQW14[56]
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Shiva Nejati	AlesioNBG14[110]
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Hamid Reza Feyzmahdavian	Astrand0F21[22]
Vahid Riahi	RiahiNS018[335]
Diane Riopel	KhayatLR06[211]
Gregory Rix	PesantRR15[317]
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Juli Romera	EscobetPQPRA19[121]
Francesca Rossi	GelainPRVW17[149]
Roberto Rossi	RossiTHP07[337]
François Roubellat	ArtiguesR00[19]
Stéphanie Roussel	SquillaciPR23[363]
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Gunnar Schrader	WolfS05[415]
Philipp Schrott-Kostwein	KovacsTKSG21[226]
Uwe Schwiegelshohn	LimtanyakulS12[249]
Lena Secher Ejlertsen	PourDERB18[324]
Thiago Serra	SerraNM12[352]
Mei Sha	QinDCS20[331]
Yufen Shao	GoelSHFS15[155]
Ganquan Shi	ShiYXQ22[354]
Zhongshun Shi	QinWSLS21[330]
Leyuan Shi	QinWSLS21[330]
Stuart Siegel	DavenportKRSH07[99]
Maria Silvia Pini	GelainPRVW17[149]
Vanessa Simard	BoudreaultSLQ22[74]
Pawel Sitek	WikarekS19[412]
M. Slusky	GoelSHFS15[155]
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Rüdiger Stephan	HeinzSSW12[177]
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Wei Su	MakMS10[268]
Kemal Subulan	SubulanC22[364]
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Quanxin Sun	TangLWSK18[370]
Zheng Sun	SunLYL10[366]
Suresh Sundaram	SureshMOK06[367]
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Willian T. Lunardi	LunardiBLRV20[264]
Siyu Tang	VlkHT21[404]
Yuanjie Tang	TangLWSK18[370]
Fabio Tardivo	TardivoDFMP23[371]
Armagan Tarim	RossiTHP07[337]
Nikolay Tchernev	BourreauGGLT22[75]
Erich Teppan	FriedrichFMRSST14[131]
Paolo Terenziani	BrusoniCLMMT96[79]
Willian Tessaro Lunardi	Lunardi20[265]
Stephan Teuschl	FrohnerTR19[133]
Jordan Ticktin	HillTV21[186]
Kevin Tierney	KelarevaTK13[208]
Christian Timpe	Timpe02[379]
Mary Tom	Tom19[380]
Seyda Topaloglu	TopalogluO11[381]
Miguel Toro	ValleMGT03[386]
Meriem Touat	TouatBT22[382]
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Semra Tunali	OzturkTHO13[309]
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Karen Villaverde	VillaverdeP04[403]
Rebekka Volk	HubnerGSV21[195]
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Futian Wang	TangLWSK18[370]
Shouyang Wang	ZhangW18[429]
Tao Wang	WangMD15[409]
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Hong Yan	HookerY02[193]
Moli Yang	YangSS19[419]
Zhouwang Yang	ShiYXQ22[354]
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Min Yao	SunLYL10[366]
Seung Yeob Shin	ShinBBHO18[355]
Vassilios Yfantis	KlankeBYE21[214]
Chunxia Yu	ZhangYW21[428]
Xinghuo Yu	MartinPY01[273]
Oleg Yu. Gusikhin	BarlattCG08[33]
Pinar Yunusoglu	YunusogluY22[421]
Marco Zaffalon	Darby-DowmanLMZ97[97]
Stéphane Zampelli	DerrienPZ14[109]
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Chaoyong Zhang	MengZRZL20[277]
Biao Zhang	MengZRZL20[277]
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Pim van den Bogaerdt	BogaerdtW19[388]
Stefano Di Alesio	AlesioNBG14[110]
Selin Özpeynirci	GokgurHO18[156]
Cemalettin Öztürk	OzturkTHO13[309]
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Seán Óg Murphy	MurphyMB15[289]
Gizem Çakir	SubulanC22[364]

Table 8: Co-Authors of Articles/Papers

5 Problem Classification

Table 9: Problem Classification Types

Code	Name
JSSP	Job-Shop Scheduling Problem
JSPT	Job-Shop Scheduling Problem with Transportation
PP-MS-MMRCPSP/max-cal	partially preemptive- multi-skill/mode resource-constrained project scheduling problem with generalized precedence relations and resource calendars
RCPSP	Resource Constrained Project Scheduling Problem
TMS	Transmission Network Maintenance Planning
PMSP	Parallel Machine Scheduling Problem
HFF	Hybrid Flexible Flow-shop
$HFFm|tt|C_{\max}$	Hybrid Flexible Flowshop with Transportation Times
OSP	Oven Scheduling Problem
PTC	Scheduling Problem with Time Constraints
GCSP	Group Cumulative Scheduling Problem
2BPHFSP	Two-Stage Bin Packing and Hybrid Flow Shop Scheduling Problem
CTW	Cable Tree Wiring Problem
CHSP	Cyclic Hoist Scheduling Problem
CECSP	Continuous Energy-Constrained Scheduling Problem
CuSP	Cumulative Scheduling Problem
SBSFMMAL	Simultaneous Balancing and Scheduling of Flexible Mixed Model Assembly Lines
SMSDP	steel mill slab design problem
KRFP	kernel resource feasibility problem
TCSP	Temporal Constraint Satisfaction Problem
PJSSP	Pre-emptive Job-Shop scheduling Problem
MGAP	Modified Generalized Assignment Problem
EOSP	Earth Observation Scheduling Problem
SCC	Steel-making and continuous casting
OSSP	Open Shop Scheduling Problem
FJS	Fixed Job Scheduling
RCPSPDC	Resource-constrained Project Scheduling Problem with Discounted Cashflow
LSFRP	Liner Shipping Fleet Repositioning Problem
BPCTOP	Bulk Port Cargo Throughput Optimisation Problem

6 Concept Matching

In order to find out properties of the articles, we try to find concepts in the pdf versions of the articles. 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, and the solvers that are discussed.

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	Allen's algebra			
Concepts	BOM	SubulanC22[364]		abs-1902-01193[9]
Concepts	activity	TardivoDFMP23[371], AalianPG23[1], PovedaAA23[325], TouatBT22[382], CampeauG22[82], SubulanC22[364], BenderWS21[49], KlankeBYE21[214], HubnerGSV21[195], AstrandJZ20[24], BadicaBIL19[26], abs-1902-09244[171], abs-1911-04766[145], GeibingerMM19[146], MurinR19[288], LaborieRSV18[233], BorghesiBLMB18[72], AstrandJZ18[23], CappartS17[83], Pralet17[326], KreterSS17[228], LiuCGM17[251], BofillCSV17[60], YoungFS17[420], BonfiettiZLM16[70], GilesH16[151], LimHTB16[246], SzerediS16[368], CauwelaertDMS16[86]... (Total: 99)	YuraszeckMCCR23[423], Bit-Monnot23[58], BoudreaultSLQ22[74], PopovicCGNC22[323], LunardiBLRV20[264], YangSS19[419], EscobetPQPRA19[121], Novas19[300], ShinBBHO18[355], SchuttS16[350], BoothNB16[71], VilimLS15[402], GoelSHFS15[155], DoulabiRP14[114], LombardiM13[260], BonfiettiM12[69], ChapadosJR11[88], ZibranR11[435], SchuttFSW09[348], PoderB08[319], GarridoOS08[138], KrogtLPHJ07[389], Simonis07[361], KhayatLR06[211], Geske05[150], DannaP03[96], Bartak02[35], KamarainenS02[201], Mason01[274]... (Total: 32)	PrataAN23[328], CzerniachowskaWZ23[95], abs-2312-13682[316], SquillaciPR23[363], abs-2305-19888[181], PerezGSL23[315], HeinzNVH22[180], PohlAK22[321], abs-2211-14492[365], OuelletQ22[307], MullerMKP22[287], ZhangYW21[428], HillTV21[186], GeibingerMM21[147], PandeyS21a[310], Astrand0F21[22], QinDCS20[331], Mercier-AubinGQ20[278], SacramentoSP20[339], abs-1902-01193[9], Tom19[380], GalleguillosKSB19[135], NishikawaSTT18[296], NishikawaSTT18a[297], DemirovicS18[106], MossigeGSMC17[284], MadiWambaLOBM17[267], NattafAL17[293], PesantRR15[317]... (Total: 62)
Concepts	batch process	LacknerMMWW23[235], LacknerMMWW21[234], QinWSLS21[330], NovaraNH16[299], KoschB14[219]	TangB20[369], NovasH10[301], Vilim02[393], SimonisC95[362]	PrataAN23[328], IsikYA23[197], YuraszeckMCCR23[423], MullerMKP22[287], OujanaAYB22[308], LiFJZLL22[243], AbreuN22[100], GeitzGSSW22[148], FanXG21[126], ZhangYW21[428], KlankeBYE21[214], MengZRZL20[277], EscobetPQPRA19[121], FahimiOQ18[124], LaborieRSV18[233], CauwelaertDMS16[86], GrimesH10[160], Simonis07[361], VilimBC05[401], ArtiguesBF04[18], Vilim04[395]
Concepts	bill of material			Simonis07[361]
Concepts	buffer-capacity			LiFJZLL22[243], OujanaAYB22[308], RiahiNS018[335], BonfiettiLBM14[66], NovasH14[303], ZeballosH05[425]
Concepts	cmax	JuvinHHL23[199], YuraszeckMCCR23[423], YuraszeckMC23[422], KameugneFND23[204], NaderiRR23[291], abs-2305-19888[181], IsikYA23[197], FetgoD22[127], AbreuN22[100], abs-2211-14492[365], QinWSLS21[330], AbohashimaEG21[2], ArmstrongGOS21[15], QinDCS20[331], MengZRZL20[277], GodetLHS20[154], WikarekS19[412], MalapertN19[269], GedikKEK18[143], KameugneFGOQ18[203], VilimLS15[402], OzturkTHO13[309], BillautHL12[57], GrimesH11[161], BeldiceanuCDP11[45], LahimerLH11[236], GrimesH10[160], ZeballosQH10[426], ArtiguesBF04[18], PapaB98[312]	Mehdizadeh-Somarin23[275], BoudreaultSLQ22[74], MullerMKP22[287], ArmstrongGOS22[16], ParkUJR19[313], Novas19[300], ArbaouiY18[14], WangMD15[409], ZhouGL15[433], ZhangLS12[430], Muscettola02[290], ArtiguesR00[19]	JuvinHL23[200], Teppan22[375], ZhangYW21[428], HanenKP21[170], HubnerGSV21[195], LiuCGM17[251], BofillCSV17[60], SialaAH15[357], KoschB14[219], WatsonB08[410], LiessM08[244], AkkerDH07[387], KeriK07[210], KhayatLR06[211], BaptisteP00[31]

Domain	Keyword	High	Medium	Low
Concepts	completion-time	PrataAN23[328], JuvinHL23[200], Mehdizadeh-Somarin23[275], AlfieriGPS23[10], NaderiRR23[291], KameugneFND23[204], AbreuN22[100], SubulanC22[364], OuelletQ22[307], FetgoD22[127], KlankeBYE21[214], ArmstrongGOS21[15], LunardiBLRV20[264], QinDCS20[331], FahimiOQ18[124], RiahiNS018[335], ZhangW18[429], ArbaouiY18[14], GedikKEK18[143], KameugneFGOQ18[203], GingrasQ16[152], DejemeppeCS15[103], ZhouGL15[433], KoschB14[219], OzturkTHO13[309], OuelletQ13[305], HeinzSB13[179], TrojetHL11[384], KovacsK11[223]... (Total: 40)	CzerniachowskaWZ23[95], abs-2305-19888[181], MullerMKP22[287], Teppan22[375], TouatBT22[382], OujanaAYB22[308], HeinzNVH22[180], abs-2211-14492[365], LiFJZLL22[243], HanenKP21[170], FanXG21[126], GeibingerMM21[147], QinWSLS21[330], NattafM20[294], Mercier-AubinGQ20[278], YangSS19[419], abs-1902-09244[171], BogaerdtW19[388], abs-1911-04766[145], MalapertN19[269], GeibingerMM19[146], ParkUJR19[313], OuelletQ18[306], KreterSS17[228], CappartS17[83], ZarandiKS16[424], CauwelaertDMS16[86], GaySS14[142], cpaior-SchuttFS13[346]... (Total: 48)	abs-2402-00459[295], TasselGS23[372], MontemanniD23a[282], AkramNHRSA23[8], IsikYA23[197], abs-2306-05747[373], PerezGSL23[315], JuvinHHL23[199], PopovicCGNC22[323], PohlAK22[321], GeitzGSSW22[148], CampeauG22[82], ZhangJZL22[427], WinterMMW22[413], ArmstrongGOS22[16], HubnerGSV21[195], VlkHT21[404], PandeyS21a[310], WessenCS20[411], MengZRZL20[277], GodetLHS20[154], SacramentoSP20[339], AstrandJZ20[24], BadicaBIL19[26], Novas19[300], MurinR19[288], Tesch18[377], MossigeGSMC17[284], FontaineMH16[128]... (Total: 69)
Concepts	continuous-process			GaySS14[142], Bartak02[35], SimonisC95[362]
Concepts	distributed	PrataAN23[328], NaderiRR23[291], MengZRZL20[277], He0GLW18[172], BridiLBBM16[78], BridiBLMB16[77], ZhouGL15[433], BonfiettiLM14[68], BartakS11[36], RuggieroBBMA09[338], HoeveGSL07[390], RossiTHP07[337], GomesHS06[159], Geske05[150], LammaMM97[237]	IsikYA23[197], OujanaAYB22[308], AbreuN22[100], BorghesiBLMB18[72], ZhangW18[429], ZarandiKS16[424], AlesioNBG14[110], HermenierDL11[185], LopesCSM10[261], SunLYL10[366], BeniniBGM06[52], ZhuS02[434], SchildW00[344], Wallace96[405]	YuraszeckMC23[422], KimCMLLP23[213], Bit-Monnot23[58], AlfieriGPS23[10], MontemanniD23[283], abs-2305-19888[181], SquillaciPR23[363], GurPAE23[168], AkramNHRSA23[8], abs-2211-14492[365], HeinzNVH22[180], TouatBT22[382], BoudreaultSLQ22[74], Teppan22[375], LiFJZLL22[243], WinterMMW22[413], GeibingerKKMMW21[144], PandeyS21a[310], FanXG21[126], BenderWS21[49], KovacsTKSG21[226], ZhangYW21[428], VlkHT21[404], SacramentoSP20[339], GroleazNS20a[164], BarzegaranZP20[38], WangB20[407], GalleguillosKSB19[135], BehrensLM19[42]... (Total: 83)
Concepts	due-date	OujanaAYB22[308], FanXG21[126], AntuoriHHEN21[13], TangB20[369], Mercier-AubinGQ20[278], abs-1902-09244[171], Novas19[300], abs-1911-04766[145], Tesch18[377], GoldwaserS17[157], NovaraNH16[299], DoulabiRP14[114], KoschB14[219], HoundjiSWD14[194], LimtanyakulS12[249], KelbelH11[209], NovasH10[301], ZeballosQH10[426], MonetteDH09[281], Simonis07[361], KrogtLPHJ07[389], Hooker06[191], Sadykov04[340], PapaB98[312], Zhou97[432], Zhou96[431], Colombani96[94]	PrataAN23[328], LacknerMMWW23[235], IsikYA23[197], NaderiRR23[291], abs-2211-14492[365], WinterMMW22[413], LacknerMMWW21[234], GeibingerMM21[147], GroleazNS20a[164], GeibingerMM19[146], FahimiOQ18[124], ZarandiKS16[424], GrimesIOS14[163], HeinzSB13[179], GrimesH11[161], LombardiM10a[256], MakMS10[268], SchuttW10[351], Davenport10[98], ThiruvadyBME09[378], abs-0907-0939[318], MouraSCL08a[285], Limtanyakul07[248], ZeballosH05[425], cp-Hooker05[190], ChuX05[89], QuirogaZH05[333], ArtiguesR00[19], BelhadjiI98[48]... (Total: 31)	abs-2402-00459[295], YuraszeckMC23[422], KimCMLLP23[213], JuvinHHL23[199], ZhangJZL22[427], SubulanC22[364], TouatBT22[382], MullerMKP22[287], KlankeBYE21[214], HubnerGSV21[195], KovacsTKSG21[226], VlkHT21[404], HanenKP21[170], LunardiBLRV20[264], GroleazNS20[165], AstrandJZ20[24], ParkUJR19[313], EscobetPQPRA19[121], GedikKEK18[143], LaborieRSV18[233], Laborie18a[232], Pralet17[326], Hooker17[192], NattafAL15[292], PraletLJ15[327], HeinzB12[175], LombardiM12[259], BillautHL12[57], IfrimOS12[196]... (Total: 54)
Concepts	earliness	PrataAN23[328], KimCMLLP23[213], TouatBT22[382], PohlAK22[321], abs-1902-09244[171], LaborieRSV18[233], ZarandiKS16[424], LombardiM12[259], KelbelH11[209], GrimesH11[161], Laborie09[231], MonetteDH09[281], KeriK07[210], DannaP03[96]	MengZRZL20[277], KovacsB11[221], Davenport10[98]	abs-2402-00459[295], NaderiRR23[291], IsikYA23[197], AlfieriGPS23[10], LacknerMMWW23[235], FanXG21[126], LacknerMMWW21[234], Mercier-AubinGQ20[278], ColT19[93], ZhangW18[429], NovaraNH16[299], VilimLS15[402], LimBTBB15[247], SialaAH15[357], HeinzB12[175], EdisO11[116], KovacsK11[223], ZeballosQH10[426], NovasH10[301], KovacsV06[225], QuirogaZH05[333], Bartak02a[34], KamarainenS02[201], Bartak02[35], ArtiguesR00[19]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	flow-shop	PrataAN23[328], CzerniachowskaWZ23[95], NaderiRR23[291], AlfieriGPS23[10], IsikYA23[197], JuvinHL23[200], ArmstrongGOS22[16], OujanaAYB22[308], ZhangJZL22[427], AbreuN22[100], LiFJZLL22[243], QinWSLS21[330], ArmstrongGOS21[15], MengZRZL20[277], AstrandJZ20[24], Novas19[300], ParkUJR19[313], ZhangW18[429], ZhouGL15[433]	Mehdizadeh-Somarin23[275], KoehlerBFFHPSSS21[216], FanXG21[126], TangB20[369], abs-1902-09244[171], LaborieRSV18[233], GrimesH11[161], KovacsB11[221], AggounB93[6]	TasselGS23[372], AalianPG23[1], YuraszeckMCCR23[423], abs-2305-19888[181], JuvinHHL23[199], abs-2306-05747[373], abs-2211-14492[365], HeinzNVH22[180], Teppan22[375], LacknerMMWW21[234], HillTV21[186], KovacsTKSG21[226], PandeyS21a[310], WallaceY20[406], SacramentoSP20[339], LunardiBLRV20[264], WikarekS19[412], RiahiNS018[335], ZarandiKS16[424], OzturkTHO13[309], LombardiM12[259], BillautHL12[57], KovacsK11[223], GrimesH10[160], LauLN08[238], BarlattCG08[33], QuirogaZH05[333], SchildW00[344]... (Total: 34)
Concepts	flow-time	FanXG21[126], NattafM20[294], MalapertN19[269], ZhangW18[429]	PrataAN23[328], AlfieriGPS23[10]	TasselGS23[372], abs-2306-05747[373], YuraszeckMC23[422], YuraszeckMCCR23[423], LiFJZLL22[243], AbreuN22[100], KoehlerBFFHPSSS21[216], MengZRZL20[277], ParkUJR19[313], Novas19[300], KovacsB11[221], EdisO11[116], QuirogaZH05[333]
Concepts	inventory	SubulanC22[364], GilesH16[151], GoelSHFS15[155], SerraNM12[352], LopesCSM10[261], RossiTHP07[337], Timpe02[379], BeckDF97[39]	Novas19[300], MakMS10[268], LauLN08[238], MouraSCL08a[285], DavenportKRSH07[99], GarganiR07[136]	PrataAN23[328], PerezGSL23[315], abs-2312-13682[316], AlfieriGPS23[10], GurPAE23[168], AbreuN22[100], PohlAK22[321], HubnerGSV21[195], KovacsTKSG21[226], GroleazNS20a[164], GroleazNS20[165], abs-1902-09244[171], WikarekS19[412], LaborieRSV18[233], ShinBBHO18[355], SchuttS16[350], SimoninAHL15[359], HoundjiSWD14[194], KelarevaTK13[208], HeinzSSW12[177], LombardiM12[259], KelbelH11[209], Laborie09[231], MouraSCL08[286], KrogtLPHJ07[389], QuirogaZH05[333], SimonisC95[362]
Concepts	job	PrataAN23[328], abs-2402-00459[295], KimCMLLP23[213], JuvinHHL23[199], AlfieriGPS23[10], YuraszeckMC23[422], IsikYA23[197], WangB23[408], LacknerMMWW23[235], Bit-Monnot23[58], CzerniachowskaWZ23[95], abs-2306-05747[373], NaderiRR23[291], JuvinHL23[200], TasselGS23[372], Mehdizadeh-Somarin23[275], YuraszeckMCCR23[423], LiFJZLL22[243], TouatBT22[382], GeitzGSSW22[148], MullerMKP22[287], WinterMMW22[413], ArmstrongGOS22[16], OujanaAYB22[308], AbreuN22[100], ZhangJZL22[427], abs-2211-14492[365], Teppan22[375], ZhangYW21[428]... (Total: 152)	EfthymiouY23[117], abs-2305-19888[181], HeinzNVH22[180], BourreauGGLT22[75], HanenKP21[170], Mercier-AubinGQ20[278], Tom19[380], EscobetPQPRA19[121], PourDERB18[324], CappartS17[83], NattafAL17[293], ZarandiKS16[424], Madi-WambaB16[266], LetortCB15[242], ZhouGL15[433], PraletLJ15[327], BonfiettiLBM14[66], BonfiettiLM14[68], LombardiM12[259], KovacsK11[223], Simonis07[361], KovacsV06[225], Hooker06[191], Geske05[150], Hooker05[189], HebrardTW05[173], KovacsV04[224], VerfaillieL01[392], BaptisteP00[31]... (Total: 33)	PovedaAA23[325], CampeauG22[82], PohlAK22[321], Klanke-BYE21[214], HubnerGSV21[195], AntuoriHHEN21[13], BenderWS21[49], WessenCS20[411], QinDCS20[331], FrimodigS19[132], HoYCLLCLC18[187], BaptisteB18[28], ShinBBHO18[355], HechingH16[174], NovaraNH16[299], BurtLPS15[80], WangMD15[409], LimBTBB15[247], LombardiBM15[253], MelgarejoLS15[7], BessiereHMQW14[56], DerrienPZ14[109], KameugneFSN14[206], AlesioNBG14[110], BonfiettiLM13[67], BonfiettiM12[69], BonfiettiLBM12[65], IfrimOS12[196], TrojetHL11[384]... (Total: 61)
Concepts	job-shop	abs-2402-00459[295], PrataAN23[328], abs-2306-05747[373], Mehdizadeh-Somarin23[275], KimCMLLP23[213], CzerniachowskaWZ23[95], JuvinHHL23[199], Bit-Monnot23[58], NaderiRR23[291], YuraszeckMCCR23[423], TasselGS23[372], MullerMKP22[287], Teppan22[375], OujanaAYB22[308], abs-2211-14492[365], LiFJZLL22[243], GeitzGSSW22[148], KovacsTKSG21[226], FanXG21[126], ZhangYW21[428], MengZRZL20[277], LunardiBLRV20[264], AstrandJZ20[24], MurinR19[288], Novas19[300], ColT19[93], LaborieRSV18[233], ZhangW18[429], FahimiOQ18[124]... (Total: 64)	IsikYA23[197], EfthymiouY23[117], AlfieriGPS23[10], TouatBT22[382], AbreuN22[100], QinWSLS21[330], ArmstrongGOS21[15], Astrand0F21[22], KoehlerBFFHPSSS21[216], GroleazNS20[165], SacramentoSP20[339], EscobetPQPRA19[121], WikarekS19[412], MossigeGSMC17[284], CappartS17[83], BonfiettiLM14[68], GaySS14[142], BonfiettiLBM14[66], LombardiM12[259], AronssonBK09[17], LauLN08[238], KovacsV06[225], VilimBC05[401], HebrardTW05[173], Geske05[150], VilimBC04[400], KovacsV04[224], BaptisteP00[31], PembertonG98[314]... (Total: 33)	YuraszeckMC23[422], PovedaAA23[325], LacknerMMWW23[235], JuvinHL23[200], HanenKP21[170], KlankeBYE21[214], AntuoriHHEN21[13], BenediktMH20[50], WessenCS20[411], Mercier-AubinGQ20[278], WallaceY20[406], Tom19[380], FrimodigS19[132], BogaerdtW19[388], abs-1902-09244[171], ParkUJR19[313], BenediktSMVH18[51], ZarandiKS16[424], PraletLJ15[327], LimBTBB15[247], LombardiBM15[253], ZhouGL15[433], WangMD15[409], BurtLPS15[80], KameugneFSN14[206], AlesioNBG14[110], KoschB14[219], DejemeppeD14[104], NovasH14[303]... (Total: 66)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	lateness	FahimiOQ18[124], KoschB14[219], Geske05[150], ArtiguesR00[19]	PrataAN23[328], PohlAK22[321], ZhangW18[429], AkkerDH07[387], Sadykov04[340]	LacknerMMWW23[235], GeitzGSSW22[148], KoehlerBFFH-PSSS21[216], HanenKP21[170], QinWSLS21[330], Lackner-MMWW21[234], Novas19[300], ParkUJR19[313], Tesch18[377], EdisO11[116], NovasH10[301], Bartak02[35]
Concepts	lazy clause generation	KreterSS17[228], KreterSS15[227], cpaior-SchuttFS13[346], SchuttFS13[347], KelarevaTK13[208], SchuttFSW11[349], SchuttFSW09[348]	PovedaAA23[325], Bit-Monnot23[58], BoudreaultSLQ22[74], GeitzGSSW22[148], OuelletQ22[307], FahimiOQ18[124], SchuttS16[350], SzerediS16[368], SialaAH15[357], BofillEGPSV14[61], GuSS13[167], SchuttCSW12[345]	WangB23[408], TardivoDFMP23[371], KameugneFND23[204], FetgoD22[127], GeibingerMM21[147], HillTV21[186], GodetLHS20[154], WallaceY20[406], Mercier-AubinGQ20[278], YangSS19[419], BaptisteB18[28], YoungFS17[420], BofillCSV17[60], GoldwaserS17[157], PesantRR15[317], Lombardi-M12[259], GrimesH11[161], SchuttW10[351]
Concepts	machine	abs-2402-00459[295], PrataAN23[328], IsikYA23[197], CzerniachowskaWZ23[95], YuraszeckMCCR23[423], NaderiRR23[291], TasselGS23[372], Mehdizadeh-Somarin23[275], AalianPG23[1], JuvinHL23[200], PerezGSL23[315], JuvinHHL23[199], abs-2312-13682[316], LacknerMMWW23[235], EfthymiouY23[117], abs-2306-05747[373], AlfieriGPS23[10], YuraszeckMC23[422], abs-2305-19888[181], KimCMLLP23[213], LiFJZLL22[243], ArmstrongGOS22[16], abs-2211-14492[365], GeitzGSSW22[148], ZhangJZL22[427], AbreuN22[100], Teppan22[375], MullerMKP22[287], WinterMMW22[413]... (Total: 144)	Bit-Monnot23[58], AkramNHRSA23[8], GurPAE23[168], HillTV21[186], KlankeBYE21[214], AbohashimaEG21[2], BehrensLM19[42], BaptisteB18[28], He0GLW18[172], ShinBBHO18[355], FahimiOQ18[124], GoldwaserS17[157], KreterSS17[228], Pralet17[326], BridiLBBM16[78], SchuttS16[350], CauwelaertDMS16[86], ZarandiKS16[424], SialaAH15[357], DejemeppeCS15[103], MurphyMB15[289], GaySS14[142], BonfiettiLBM14[66], LombardiM12[259], BonfiettiLBM12[65], BeniniLMR11[53], KelbelH11[209], SchuttFSW09[348], LauLN08[238]... (Total: 38)	KameugneFND23[204], MontemanniD23[283], Boudreault-SLQ22[74], PopovicCGNC22[323], SubulanC22[364], PohlAK22[321], GeibingerMM21[147], WallaceY20[406], WangB20[407], BarzegaranZP20[38], Mercier-AubinGQ20[278], YangSS19[419], BadicaBIL19[26], Tom19[380], HoY-CLLCLC18[187], PourDERB18[324], Laborie18a[232], BofillCSV17[60], CappartS17[83], KletzanderM17[215], YoungFS17[420], LiuCGM17[251], LimHTB16[246], NovaraNH16[299], SzerediS16[368], BoothNB16[71], LetortCB15[242], BofillGSV15[62], MelgarejoLS15[7]... (Total: 87)
Concepts	make to order			OujanaAYB22[308], DavenportKRSH07[99], Simonis07[361]
Concepts	make to stock			
Concepts	make-span	PrataAN23[328], JuvinHL23[200], EfthymiouY23[117], PovedaAA23[325], AlfieriGPS23[10], abs-2305-19888[181], NaderiRR23[291], TasselGS23[372], Bit-Monnot23[58], abs-2306-05747[373], AalianPG23[1], CzerniachowskaWZ23[95], LacknerMMWW23[235], JuvinHHL23[199], YuraszeckMC23[422], IsikYA23[197], Mehdizadeh-Somarin23[275], HeinzNVH22[180], AbreuN22[100], GeitzGSSW22[148], BoudreaultSLQ22[74], SubulanC22[364], ArmstrongGOS22[16], TouatBT22[382], KlankeBYE21[214], BenderWS21[49], ArmstrongGOS21[15], QinWSLS21[330], LacknerMMWW21[234]... (Total: 104)	YuraszeckMCCR23[423], abs-2312-13682[316], PerezGSL23[315], KameugneFND23[204], MullerMKP22[287], OujanaAYB22[308], ZhangJZL22[427], abs-2211-14492[365], LiFJZLL22[243], PandeyS21a[310], FanXG21[126], QinDCS20[331], AstrandJZ18[23], KreterSS17[228], YoungFS17[420], BonfiettiZLM16[70], GingrasQ16[152], SialaAH15[357], DejemeppeCS15[103], GayHLS15[139], BonfiettiLBM14[66], KameugneFSN14[206], GuSS13[167], LombardiM12[259], BillautHL12[57], SchuttCSW12[345], TrojetHL11[384], KovacsB11[221], LombardiM09[255]... (Total: 40)	KimCMLLP23[213], TardivoDFMP23[371], Teppan22[375], PopovicCGNC22[323], CampeauG22[82], FetgoD22[127], Ha-nenKP21[170], KoehlerBFFHPSSS21[216], HubnerGSV21[195], Mercier-AubinGQ20[278], TangB20[369], NattafM20[294], SacramentoSP20[339], MurinR19[288], abs-1911-04766[145], BadicaBIL19[26], Tom19[380], GeibingerMM19[146], NishikawaSTT18[296], BorghesiBLMB18[72], ArbaouiY18[14], NishikawaSTT18a[297], OuelletQ18[306], KameugneF-GOQ18[203], Tesch18[377], NattafAL17[293], ZarandiKS16[424], BridiBLMB16[77], FontaineMH16[128]... (Total: 75)
Concepts	manpower	NovaraNH16[299]	LaborieRSV18[233]	BourreauGGLT22[75], WikarekS19[412], BaptisteB18[28], SchuttS16[350], HechingH16[174], cpaior-GayHS15[141], GaySS14[142], LombardiM12[259], Vilim11[399], NovasH10[301], SimonisC95[362], Puget95[329]
Concepts	multi-agent	BehrensLM19[42], He0GLW18[172], HoeveGSL07[390]	abs-1901-07914[43], LimHTB16[246]	abs-2402-00459[295], Mehdizadeh-Somarin23[275], Squil-laciPR23[363], ZhangYW21[428], WessenCS20[411], WikarekS19[412], BadicaBIL19[26], ZhangW18[429], LimBTBB15[247], KoschB14[219], BartakS11[36], GomesHS06[159], AbrilSB05[3], Wallace96[405]
Concepts	no preempt			TouatBT22[382], FanXG21[126], MengZRZL20[277], ParkUJR19[313], MonetteDD07[280], ArtiguesR00[19]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	open-shop	PrataAN23[328], Bit-Monnot23[58], NaderiRR23[291], AbreuN22[100], FahimiOQ18[124], GrimesHM09[162], MonetteDD07[280]	SacramentoSP20[339], MengZRZL20[277], GrimesH10[160], Vilim05[396]	YuraszeckMCCR23[423], YuraszeckMC23[422], KimCM-LLP23[213], OujanaAYB22[308], Astrand0F21[22], AstrandJZ20[24], ParkUJR19[313], SialaAH15[357], BonfiettiLM14[68], AlesioNBG14[110], BillautHL12[57], SchuttFSW11[349], GrimesH11[161], SchuttFSW09[348], ThiruvadyBME09[378], VilimBC05[401], ArtiouchineB05[20], HentenryckM04[183], VilimBC04[400], Vilim03[394], ElkhyariGJ02a[119], VerfaillieL01[392]
Concepts	order	abs-2402-00459[295], PrataAN23[328], EfthymiouY23[117], AlfieriGPS23[10], abs-2312-13682[316], CzerniachowskaWZ23[95], TasselGS23[372], AalianPG23[1], abs-2306-05747[373], Bit-Monnot23[58], JuvinHL23[200], WangB23[408], KameugneFND23[204], LacknerMMWW23[235], PerezGSL23[315], JuvinHHL23[199], SquillaciPR23[363], IsikYA23[197], YuraszeckMCCR23[423], KimCMLLP23[213], PovedaAA23[325], PopovicCGNC22[323], BoudreaultSLQ22[74], CampeauG22[82], AbreuN22[100], BourreauGGLT22[75], GeitzGSSW22[148], SubulanC22[364], Teppan22[375]... (Total: 253)	MontemanniD23a[282], abs-2305-19888[181], NaderiRR23[291], TardivoDFMP23[371], ZhangYW21[428], GurPAE23[168], OuelletQ22[307], ArmstrongGOS22[16], WinterMMW22[413], HeinzNVH22[180], TouatBT22[382], BenderWS21[49], GeibingerMM21[147], HillTV21[186], QinDCS20[331], WallaceY20[406], TangB20[369], ColT19[93], BogaerdtW19[388], FrohnerTR19[133], DemirovicS18[106], ShinBBHO18[355], BaptisteB18[28], NattafAL17[293], BofillCSV17[60], GelainPRVW17[149], FontaineMH16[128], GilesH16[151], LimHTB16[246]... (Total: 70)	MontemanniD23[283], AkramNHRSA23[8], Mehdizadeh-Somarin23[275], ZhangJZL22[427], AbohashimaEG21[2], ZhangYW21[428], abs-1902-01193[9], GalleguillosKSB19[135], ArbaouiY18[14], BenediktSMVH18[51], He0GLW18[172], Hooker17[192], SzerediS16[368], HechingH16[174], BridiLBBM16[78], cpaior-GayHS15[141], DoulabiRP14[114], GuSS13[167], LombardiM13[260], SchuttFS13[347], BonfiettiLM13[67], HeinzKB13[176], HeinzB12[175], BonfiettiLBM11[64], ChapadosJR11[88], SunLYL10[366], MakMS10[268], BertholdHLMS10[55], CobanH10[92]... (Total: 49)
Concepts	precedence	abs-2402-00459[295], PovedaAA23[325], YuraszeckMCCR23[423], NaderiRR23[291], IsikYA23[197], AlfieriGPS23[10], JuvinHHL23[199], FetgoD22[127], PohlAK22[321], CampeauG22[82], BoudreaultSLQ22[74], GeibingerMM21[147], HanenKP21[170], Astrand0F21[22], HillTV21[186], KoehlerBFFHPSSS21[216], FanXG21[126], HubnerGSV21[195], ArmstrongGOS21[15], ZhangYW21[428], GroleazNS20[165], SacramentoSP20[339], AstrandJZ20[24], Mercier-AubinGQ20[278], LunardiBLRV20[264], MengZRZL20[277], abs-1902-09244[171], WikarekS19[412], ZhangW18[429]... (Total: 102)	Bit-Monnot23[58], KameugneFND23[204], TardivoDFMP23[371], OujanaAYB22[308], SubulanC22[364], VlkHT21[404], AntuoriHHEN21[13], WessenCS20[411], QinDCS20[331], GeibingerMM19[146], Novas19[300], abs-1911-04766[145], ColT19[93], BogaerdtW19[388], MurinR19[288], KameugneFGOQ18[203], Madi-WambaLOBM17[267], MossigeGSMC17[284], Madi-WambaB16[266], GayHLS15[139], VilimLS15[402], BurtLPS15[80], LombardiBM15[253], WangMD15[409], BonfiettiLM14[68], KameugneFSN14[206], cpaior-SchuttFS13[346], NovasH12[302], BillautHL12[57]... (Total: 54)	PrataAN23[328], KimCMLLP23[213], JuvinHL23[200], TasselGS23[372], abs-2305-19888[181], Mehdizadeh-Somarin23[275], abs-2306-05747[373], YuraszeckMC23[422], MullerMKP22[287], WinterMMW22[413], abs-2211-14492[365], HeinzNVH22[180], BourreauGGLT22[75], ZhangJZL22[427], GeitzGSSW22[148], TouatBT22[382], KovacsTKSG21[226], PandeyS21a[310], TangB20[369], GroleazNS20a[164], BaptisteB18[28], He0GLW18[172], OuelletQ18[306], DemirovicS18[106], CappartS17[83], KreterSS17[228], BoothNB16[71], FontaineMH16[128], Tesch16[376]... (Total: 72)
Concepts	preempt	JuvinHHL23[199], PovedaAA23[325], SubulanC22[364], HanenKP21[170], BaptisteB18[28], FahimiOQ18[124], ZarandiKS16[424], EvenSH15[122], EvenSH15a[123], AlesioNBG14[110], LombardiM12[259], BeldiceanuCDP11[45], KovacsB11[221], MonetteDD07[280], Wolf03[414], BaptisteP00[31], PapaB98[312], PembertonG98[314], BaptisteP97[30]	PrataAN23[328], abs-2305-19888[181], TardivoDFMP23[371], OuelletQ22[307], FetgoD22[127], HeinzNVH22[180], SacramentoSP20[339], Mercier-AubinGQ20[278], LunardiBLRV20[264], YoungFS17[420], NattafAL15[292], SimoninAHL15[359], OzturkTHO13[309], SimoninAHL12[358], SchuttFSW11[349], SchuttFSW09[348], Laborie09[231], KovacsB08[220], ArtiouchineB05[20]	NaderiRR23[291], TasselGS23[372], AalianPG23[1], TardivoDFMP23[371], YuraszeckMC23[422], YuraszeckMCCR23[423], KameugneFND23[204], AkramNHRSA23[8], abs-2306-05747[373], IsikYA23[197], Mehdizadeh-Somarin23[275], AbreuN22[100], TouatBT22[382], Teppan22[375], GeitzGSSW22[148], BoudreaultSLQ22[74], MullerMKP22[287], OujanaAYB22[308], BenderWS21[49], FanXG21[126], QinWSLS21[330], KovacsTKSG21[226], HubnerGSV21[195], ZhangYW21[428], ArmstrongGOS21[15], HillTV21[186], BenediktMH20[50], MengZRZL20[277], GroleazNS20[165]... (Total: 98)
Concepts	producer/consumer	SchuttS16[350], PoderBS04[320], Kumar03[230], SimonisC95[362]	HermenierDL11[185], BeldiceanuC02[44]	GeitzGSSW22[148], KlankeBYE21[214], LombardiM12a[258], PoderB08[319], Simonis07[361], Timpe02[379], Simonis95[360]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	re-scheduling	BarzegaranZP20[38], ZhangW18[429], Madi-WambaLOBM17[267], CappartS17[83], GrimesIOS14[163], RendlPHPR12[334], LombardiM12[259], IfrimOS12[196], NovasH10[301], MartinPY01[273], ArtiguesR00[19]	Mehdizadeh-Somarin23[275], KovacsTKSG21[226], AstrandJZ20[24], HoYCLLCLC18[187], LimHTB16[246], LimBTBB15[247], CobanH10[92], Acuna-AgostMFG09[4]	PrataAN23[328], abs-2312-13682[316], abs-2306-05747[373], EfthymiouY23[117], abs-2305-19888[181], TasselGS23[372], GurPAE23[168], NaderiRR23[291], PerezGSL23[315], BourreauGGLT22[75], HeinzNVH22[180], ArmstrongGOS22[16], PohlAK22[321], KlankeBYE21[214], PandeyS21a[310], ZhangYW21[428], BenediktMH20[50], LunardiBLRV20[264], GalleguillosKSB19[135], Tom19[380], abs-1911-04766[145], GeibingerMM19[146], BorghesiBLMB18[72], He0GLW18[172], LaborieRSV18[233], NishikawaSTT18a[297], HechingH16[174], BridiBLMB16[77], NovaraNH16[299]... (Total: 54)
Concepts	release-date	WinterMMW22[413], HanenKP21[170], EscobetPQPRA19[121], Tesch18[377], KameugneFSN14[206], LimtanyakulS12[249], SerraNM12[352], KameugneFSN11[205], KovacsB11[221], LombardiM10a[256], abs-0907-0939[318], AkkerDH07[387], ArtiouchineB05[20], Hooker05[189], Hooker04[188], Zhou97[432], Zhou96[431], Colombani96[94]	PrataAN23[328], LacknerMMWW23[235], LacknerMMWW21[234], GroleazNS20[165], GroleazNS20a[164], abs-1911-04766[145], GeibingerMM19[146], HeinzSB13[179], KelbelH11[209], Laborie09[231], Limtanyakul07[248], Simonis07[361], Hooker06[191], WuBB05[418], cp-Hooker05[190], Sadykov04[340]	PovedaAA23[325], IsikYA23[197], YuraszeckMC23[422], TouatBT22[382], PohlAK22[321], AntuoriHHEN21[13], GeibingerMM21[147], ZhangYW21[428], HillTV21[186], KovacsTKSG21[226], GodetLHS20[154], Novas19[300], abs-1902-09244[171], LaborieRSV18[233], Laborie18a[232], NattafAL17[293], NattafAL15[292], DejemeppeCS15[103], KoschB14[219], HeinzKB13[176], BillautHL12[57], HeinzB12[175], GrimesH11[161], KovacsK11[223], BeniniLMR11[53], ClercqPBJ11[91], Davenport10[98], SchuttW10[351], MonetteDH09[281]... (Total: 42)
Concepts	resource	PrataAN23[328], abs-2402-00459[295], JuvinHHL23[199], KameugneFND23[204], PovedaAA23[325], YuraszeckMCCR23[423], abs-2305-19888[181], CzerniachowskaWZ23[95], AlfieriGPS23[10], NaderiRR23[291], AalianPG23[1], WangB23[408], TardivoDFMP23[371], GurPAE23[168], BourreauGGLT22[75], HeinzNVH22[180], GeitzGSSW22[148], AbreuN22[100], BoudreaultSLQ22[74], TouatBT22[382], CampeauG22[82], SubulanC22[364], OuelletQ22[307], OujanaAYB22[308], FetgoD22[127], KovacsTKSG21[226], HanenKP21[170], HubnerGSV21[195], HillTV21[186]... (Total: 247)	Caballero23[81], PerezGSL23[315], abs-2312-13682[316], IsikYA23[197], abs-2306-05747[373], TasselGS23[372], Bit-Monnot23[58], abs-2211-14492[365], PohlAK22[321], MullerMKP22[287], WinterMMW22[413], Astrand0F21[22], KlankeBYE21[214], TangB20[369], LunardiBLRV20[264], WallaceY20[406], FrimodigS19[132], abs-1902-01193[9], ParkUJR19[313], HoYCLLCLC18[187], GedikKEK18[143], BenediktSMVH18[51], GelainPRVW17[149], GoldwaserS17[157], BoothNB16[71], ZhouGL15[433], DoulabiRP14[114], DerrienP14[108], DerrienPZ14[109]... (Total: 46)	MontemanniD23[283], AkramNHRSA23[8], SquillaciPR23[363], Teppan22[375], PopovicCGNC22[323], ArmstrongGOS22[16], ZhangJZL22[427], AntuoriHHEN21[13], AbohashimaEG21[2], KoehlerBFFHPSSS21[216], ArmstrongGOS21[15], FanXG21[126], BarzegaranZP20[38], NattafM20[294], BadicaBIL19[26], ColT19[93], AstrandJZ18[23], ZhangW18[429], KletzanderM17[215], Hooker17[192], ZarandiKS16[424], GayHLS15[139], MelgarejoLS15[7], Siala15[356], MurphyMB15[289], HoundjiSWD14[194], CireCH13[90], BillautHL12[57], IfrimOS12[196]... (Total: 45)
Concepts	scheduling	abs-2402-00459[295], PrataAN23[328], TasselGS23[372], Bit-Monnot23[58], IsikYA23[197], AalianPG23[1], abs-2305-19888[181], abs-2312-13682[316], PerezGSL23[315], abs-2306-05747[373], JuvinHHL23[199], TardivoDFMP23[371], YuraszeckMC23[422], Mehdizadeh-Somarin23[275], MontemanniD23[283], KimCMLLP23[213], AkramNHRSA23[8], KameugneFND23[204], LacknerMMWW23[235], GurPAE23[168], PovedaAA23[325], EfthymiouY23[117], AlfieriGPS23[10], SquillaciPR23[363], Caballero23[81], CzerniachowskaWZ23[95], YuraszeckMCCR23[423], WangB23[408], MontemanniD23a[282]... (Total: 360)	GayHS15[140], Kameugne15[202], BessiereHMQW14[56], HoundjiSWD14[194], LetortCB13[241], LetortBC12[240], ChapadosJR11[88], ClercqPBJ11[91], Baptiste09[27], Acuna-AgostMFG09[4], abs-0907-0939[318], GomesHS06[159], WuBB05[418], DilkinaDH05[111], HebrardTW05[173], Vilim03[394], ValleMGT03[386], Vilim02[393], HookerY02[193], CestaOS98[87], FrostD98[134], Touraivane95[383]	Hooker17[192], RossiTHP07[337], AbrilSB05[3], VanczaM01[391]

Domain	Keyword	High	Medium	Low
Concepts	sequence dependent setup	GedikKEK18[143]	IsikYA23[197], GeitzGSSW22[148], MengZRZL20[277], RiahiNS018[335], LombardiM12[259], Simonis07[361], ArtiguesBF04[18]	PrataAN23[328], NaderiRR23[291], abs-2305-19888[181], PohlAK22[321], HeinzNVH22[180], OujanaAYB22[308], ArmstrongGOS21[15], Mercier-AubinGQ20[278], MalapertN19[269], Novas19[300], ArbaouiY18[14], LaborieRSV18[233], FahimiOQ18[124], Pralet17[326], CauwelaertDMS16[86], NovaraNH16[299], DejemeppeCS15[103], KovacsK11[223], GrimesH10[160], Laborie09[231], DavenportKRSH07[99], AkkerDH07[387], VilimBC05[401], Vilim04[395], Vilim02[393]
Concepts	setup-time	PrataAN23[328], LacknerMMWW23[235], IsikYA23[197], abs-2305-19888[181], NaderiRR23[291], PohlAK22[321], GeitzGSSW22[148], WinterMMW22[413], HeinzNVH22[180], AbreuN22[100], OujanaAYB22[308], LacknerMMWW21[234], NattafM20[294], GroleazNS20[165], Mercier-AubinGQ20[278], QinDCS20[331], LunardiBLRV20[264], GroleazNS20a[164], MengZRZL20[277], Novas19[300], BogaerdtW19[388], MalapertN19[269], MurinR19[288], ArbaouiY18[14], GedikKEK18[143], RiahiNS018[335], ZhangW18[429], Pralet17[326], CauwelaertDMS16[86]... (Total: 35)	AlfieriGPS23[10], CzerniachowskaWZ23[95], KimCMLLP23[213], LiFJZLL22[243], ArmstrongGOS21[15], FanXG21[126], AstrandJZ20[24], LaborieRSV18[233], NovaraNH16[299], GaySS14[142], OzturkTHO13[309], KelarevaTK13[208], ThiruvadyBME09[378], BeniniBGM06[52], Timpe02[379], Vilim02[393]	YuraszeckMCCR23[423], JuvinHHL23[199], JuvinHL23[200], Mehdizadeh-Somarin23[275], EfthymiouY23[117], abs-2211-14492[365], ZhangJZL22[427], MullerMKP22[287], Teppan22[375], ZhangYW21[428], AbohashimaEG21[2], BenderWS21[49], GodetLHS20[154], BehrensLM19[42], abs-1902-09244[171], WikarekS19[412], FahimiOQ18[124], GilesH16[151], ZhouGL15[433], MelgarejoLS15[7], GoelSHFS15[155], SialaAH15[357], DejemeppeD14[104], BessiereHMQW14[56], BillautHL12[57], NovasH10[301], Laborie09[231], RuggieroBBMA09[338], BarlattCG08[33]... (Total: 37)
Concepts	stock level	LopesCSM10[261], SimonisC95[362]	RossiTHP07[337], Timpe02[379]	KhemmoudjPB06[212]
Concepts	tardiness	PrataAN23[328], IsikYA23[197], AlfieriGPS23[10], KimCMLLP23[213], LacknerMMWW23[235], NaderiRR23[291], WinterMMW22[413], TouatBT22[382], AbreuN22[100], OujanaAYB22[308], PohlAK22[321], abs-2211-14492[365], FanXG21[126], AntuoriHHEN21[13], LacknerMMWW21[234], GroleazNS20a[164], Mercier-AubinGQ20[278], MengZRZL20[277], TangB20[369], abs-1902-09244[171], ParkUJR19[313], BogaerdtW19[388], LaborieRSV18[233], NovaraNH16[299], ZarandiKS16[424], BridiBLMB16[77], BartoliniBBLM14[37], LombardiM12[259], GrimesH11[161]... (Total: 41)	abs-2402-00459[295], SubulanC22[364], KovacsTKSG21[226], GroleazNS20[165], GedikKEK18[143], Hooker17[192], NovasH10[301], QuirogaZH05[333], Hooker05[189]	Mehdizadeh-Somarin23[275], JuvinHL23[200], abs-2306-05747[373], TasselGS23[372], LiFJZLL22[243], ZhangJZL22[427], VlkHT21[404], HanenKP21[170], KoehlerBFFHPSSS21[216], GeibingerMM21[147], HubnerGSV21[195], QinWSLS21[330], QinDCS20[331], LunardiBLRV20[264], Tom19[380], Novas19[300], RiahiNS018[335], ZhangW18[429], DejemeppeCS15[103], MelgarejoLS15[7], ZhouGL15[433], BurtLPS15[80], LimBTBB15[247], SialaAH15[357], PraletLJ15[327], KelarevaTK13[208], CireCH13[90], HeinzKB13[176], BillautHL12[57]... (Total: 41)
Concepts	task	PrataAN23[328], abs-2402-00459[295], JuvinHL23[200], CzerniachowskaWZ23[95], JuvinHHL23[199], WangB23[408], YuraszeckMCCR23[423], PovedaAA23[325], abs-2305-19888[181], KameugneFND23[204], AkramNHRSA23[8], LiFJZLL22[243], CampeauG22[82], SubulanC22[364], OuelletQ22[307], FetgoD22[127], abs-2211-14492[365], GeitzGSSW22[148], TouatBT22[382], HeinzNVH22[180], BoudreaultSLQ22[74], Astrand0F21[22], HanenKP21[170], KoehlerBFFHPSSS21[216], KlankeBYE21[214], HillTV21[186], PandeyS21a[310], KovacsTKSG21[226], ArmstrongGOS21[15]... (Total: 179)	MontemanniD23a[282], Bit-Monnot23[58], IsikYA23[197], MontemanniD23[283], LacknerMMWW23[235], SquillaciPR23[363], PopovicCGNC22[323], MullerMKP22[287], WinterMMW22[413], AbreuN22[100], OujanaAYB22[308], BenderWS21[49], HubnerGSV21[195], GeibingerMM21[147], BarzegaranZP20[38], WallaceY20[406], WikarekS19[412], DemirovicS18[106], YoungFS17[420], LiuCGM17[251], HechingH16[174], GayHLS15[139], Kameugne15[202], LombardiBM15[253], BonfiettiLM14[68], BartoliniBBLM14[37], BofillEGPSV14[61], BonfiettiLBM14[66], Vilim05[396]... (Total: 32)	NaderiRR23[291], TasselGS23[372], EfthymiouY23[117], PerezGSL23[315], abs-2312-13682[316], Mehdizadeh-Somarin23[275], TardivoDFMP23[371], abs-2306-05747[373], Teppan22[375], ZhangJZL22[427], ArmstrongGOS22[16], ZhangYW21[428], FanXG21[126], AntuoriHHEN21[13], LacknerMMWW21[234], AstrandJZ20[24], SacramentoSP20[339], BenediktMH20[50], MengZRZL20[277], ParkUJR19[313], MurinR19[288], abs-1902-09244[171], FrimodigsS19[132], abs-1902-01193[9], MalapertN19[269], Laborie18a[232], GedikKEK18[143], Tesch18[377], CappartS17[83]... (Total: 68)
Concepts	temporal constraint reasoning			KeriK07[210], FortinZDF05[129]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	transportation	CzerniachowskaWZ23[95], ArmstrongGOS22[16], PohlAK22[321], BourreauGGLT22[75], GeitzGSSW22[148], ArmstrongGOS21[15], QinDCS20[331], SacramentoSP20[339], MurinR19[288], PourDERB18[324], GoelSHFS15[155], NovasH14[303], KelarevaTK13[208], NovasH12[302], HachemiGR11[169], LopesCSM10[261], ZeballosH05[425]	NaderiRR23[291], KimCMLLP23[213], AbreuN22[100], SubulanC22[364], PopovicCGNC22[323], AbohashimaEG21[2], MengZRZL20[277], LaborieRSV18[233], EvenSH15[122], MelgarejoLS15[7], RendlPHPR12[334], MakMS10[268], MouraSCL08a[285], MouraSCL08[286], LimRX04[245], Mason01[274], ArtiguesR00[19], Wallace96[405]	AalianPG23[1], IsikYA23[197], abs-2312-13682[316], WangB23[408], MontemanniD23a[282], PerezGSL23[315], AlfieriGPS23[10], BoudreaultSLQ22[74], abs-2211-14492[365], ZhangJZL22[427], LiFJZLL22[243], AntuoriHHEN21[13], HubnerGSV21[195], GroleazNS20a[164], WallaceY20[406], Novas19[300], abs-1902-09244[171], Tom19[380], ZhangW18[429], ShinBBHO18[355], He0GLW18[172], GedikKEK18[143], LiuCGM17[251], KletzanderM17[215], GoldwaserS17[157], GilesH16[151], ZarandiKS16[424], PesantRR15[317], EvenSH15a[123]... (Total: 50)
Classification	2BPHFSP	TangB20[369]		
Classification	BPCTOP	KelarevaTK13[208]		
Classification	Bulk Port Cargo Throughput Optimisation Problem			KelarevaTK13[208]
Classification	CECSP	NattafAL17[293], NattafAL15[292]		
Classification	CHSP	EfthymiouY23[117], WallaceY20[406]		
Classification	CTW	KoehlerBFFHPSSS21[216]		
Classification	CuSP	KameugneFND23[204], FetgoD22[127], Tesch18[377], KameugneFGOQ18[203], Tesch16[376], NattafAL15[292], DerrienPZ14[109], KameugneFSN14[206], KameugneFSN11[205], SchuttW10[351]	GingrasQ16[152], OuelletQ13[305]	TardivoDFMP23[371], HanenKP21[170], DerrienP14[108]
Classification	EOSP		SquillaciPR23[363]	
Classification	Earth Observation Scheduling Problem		SquillaciPR23[363]	
Classification	FJS	WangB23[408], YuraszeckMCCR23[423], MullerMKP22[287], Teppan22[375], LunardiBLRV20[264], WangB20[407], MengZRZL20[277], Novas19[300], MossigeGSMC17[284]	OujanaAYB22[308], abs-1902-09244[171], ZhangW18[429], SchuttFS13[347]	NaderiRR23[291], ZhouGL15[433]
Classification	Fixed Job Scheduling	WangB20[407]	WangB23[408]	
Classification	GCSP	GroleazNS20[165]		
Classification	HFF	ArmstrongGOS22[16], OujanaAYB22[308], ArmstrongGOS21[15], ZhouGL15[433]		
Classification	JSPT		MurinR19[288]	
Classification	JSSP	JuvinHHL23[199], YuraszeckMC23[422], TasselGS23[372], YuraszeckMCCR23[423], abs-2306-05747[373], GeitzGSSW22[148], Teppan22[375], ColT19[93], Pralet17[326], KelbelH11[209], PapaB98[312]	GalleguillosKSB19[135], LombardiBM15[253], SialaAH15[357], BelhadjiI98[48]	EfthymiouY23[117], Mehdizadeh-Somarin23[275], CzerniachowskaWZ23[95], WikarekS19[412], PraletLJ15[327]
Classification	KRFP	KamarainenS02[201], SakkoutW00[342]		
Classification	LSFRP	KelarevaTK13[208]		
Classification	Liner Shipping Fleet Repositioning Problem		KelarevaTK13[208]	
Classification	MGAP	Darby-DowmanLMZ97[97]		
Classification	Modified Generalized Assignment Problem			
Classification	OSP	NaderiRR23[291], LacknerMMWW23[235], Bit-Monnot23[58], LacknerMMWW21[234], GayHLS15[139]	SquillaciPR23[363], GrimesHM09[162], MonetteDD07[280]	MengZRZL20[277]
Classification	OSSP	YuraszeckMC23[422], AbreuN22[100]		YuraszeckMCCR23[423]
Classification	Open Shop Scheduling Problem	AbreuN22[100]		PrataAN23[328], Bit-Monnot23[58], YuraszeckMCCR23[423], NaderiRR23[291], MengZRZL20[277], SacramentoSP20[339], GrimesH10[160], GrimesHM09[162], MonetteDD07[280], VerfaillieL01[392]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Classification	PJSSP		PapaB98[312]	
Classification	PMSP	NaderiRR23[291], WinterMMW22[413], PandeyS21a[310], GodetLHS20[154], MalapertN19[269], GedikKEK18[143]	VlkHT21[404], NattafM20[294]	OujanaAYB22[308]
Classification	PP-MS-MMRCPSP			
Classification	PTC	NattafM20[294], MalapertN19[269]	NaderiRR23[291]	CzerniachowskaWZ23[95], Teppan22[375]
Classification	Pre-emptive Job-Shop scheduling Problem			
Classification	RCPSP	YuraszeckMCCR23[423], PovedaAA23[325], CampeauG22[82], BoudreaultSLQ22[74], SubulanC22[364], FetgoD22[127], BenderWS21[49], GeibingerMM21[147], HillTV21[186], HubnerGSV21[195], GeibingerMM19[146], abs-1902-09244[171], abs-1911-04766[145], LaborieRSV18[233], KameugneFGOQ18[203], Pralet17[326], KreterSS17[228], YoungFS17[420], BofillCSV17[60], MossigeGSMC17[284], SzerediS16[368], SchuttS16[350], KreterSS15[227], VilimLS15[402], BonfiettiLM13[67], HeinzSB13[179], LombardiM12[259], LombardiM12a[258], TrojetHL11[384]... (Total: 38)	TardivoDFMP23[371], Caballero23[81], KameugneFND23[204], KovacsTKSG21[226], GroleazNS20a[164], BaptisteB18[28], Tesch18[377], LombardiBM15[253], NattafAL15[292], GayHLS15[139], KameugneFSN14[206], LombardiM13[260], KameugneFSN11[205], HeinzS11[178], KeriK07[210], KovacsV06[225], HeipckeCCS00[182], ArtiguesR00[19]	NaderiRR23[291], GeitzGSSW22[148], TouatBT22[382], HanenKP21[170], ZhangYW21[428], Mercier-AubinGQ20[278], WikarekS19[412], OuelletQ18[306], FahimiOQ18[124], GingrasQ16[152], BonfiettiZLM16[70], Tesch16[376], SialaAH15[357], cpaior-GayHS15[141], DerrienPZ14[109], BonfiettiLM14[68], BonfiettiLBM14[66], KoschB14[219], OuelletQ13[305], cpaior-SchuttFS13[346], SchuttFS13[347], LetortCB13[241], BonfiettiM12[69], BonfiettiLBM12[65], LombardiBMB11[254], GrimesH11[161], Vilim11[399], LahimerLH11[236], BonfiettiLBM11[64]... (Total: 34)
Classification	RCPSPDC			CampeauG22[82], HubnerGSV21[195]
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow			
Classification	SBSFMMAL	OzturkTHO13[309]		
Classification	SCC	KimCMLLP23[213], WolinskiKG04[416]		PohlAK22[321], BeniniLMR11[53], SchausHMCMD11[343]
Classification	SMSDP			
Classification	Steel-making and continuous casting			
Classification	TCSP	BelhadjiI98[48]		LombardiM10a[256]
Classification	TMS	PopovicCGNC22[323]		CappartS17[83]
Classification	Temporal Constraint Satisfaction Problem		BelhadjiI98[48]	
Classification	parallel machine	PrataAN23[328], abs-2305-19888[181], IsikYA23[197], CzerniachowskaWZ23[95], NaderiRR23[291], ZhangJZL22[427], WinterMMW22[413], HeinzNVH22[180], OujanaAYB22[308], PandeyS21a[310], GodetLHS20[154], MengZRZL20[277], NattafM20[294], MalapertN19[269], GedikKEK18[143], ArbaouiY18[14], EdisO11[116]	Teppan22[375], SacramentoSP20[339], ParkUJR19[313], Novas19[300], BogaerdtW19[388], BenediktSMVH18[51], ZhouGL15[433], KovacsB11[221], AkkerDH07[387]	KimCMLLP23[213], JuvinHHL23[199], LacknerMMWW23[235], Mehdizadeh-Somarin23[275], AlfieriGPS23[10], Armstrong-GOS22[16], LacknerMMWW21[234], HanenKP21[170], FanXG21[126], AbohashimaEG21[2], AstrandJZ20[24], GroleazNS20a[164], QinDCS20[331], LaborieRSV18[233], BaptisteB18[28], KletzanderM17[215], KreterSS17[228], FontaineMH16[128], BurtLPS15[80], KreterSS15[227], NovasH14[303], LombardiM12[259], LahimerLH11[236], ArtiouchineB05[20], Sadykov04[340]
Classification	psplib	TardivoDFMP23[371], OuelletQ18[306], cpaior-GayHS15[141], LetortCB15[242], KameugneFSN14[206], DerrienP14[108], cpaior-SchuttFS13[346], HeinzSB13[179], SchuttFSW11[349], BertholdHLMS10[55], SchuttFSW09[348]	KameugneFND23[204], BoudreaultSLQ22[74], HillTV21[186], Tesch18[377], FahimiOQ18[124], BaptisteB18[28], SzerediS16[368], Tesch16[376], GingrasQ16[152], GayHLS15[139], VilimLS15[402], LombardiBM15[253], BonfiettiLM14[68], LetortCB13[241], LombardiM12a[258], LetortBC12[240], HeinzS11[178], Vilim11[399], SchuttW10[351]	LaborieRSV18[233], Pralet17[326], YoungFS17[420], BofillCSV17[60], LombardiM13[260], OuelletQ13[305], LombardiM12[259], KameugneFSN11[205], LiessM08[244], FortinZDF05[129], ElkhyariGJ02a[119]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Classification	single machine	PrataAN23[328], AlfieriGPS23[10], LacknerMMWW23[235], TouatBT22[382], BenediktMH20[50], BogaerdtW19[388], KovacsB11[221], ThiruvadyBME09[378]	PandeyS21a[310], HillTV21[186], KoehlerBFFHPSSS21[216], LacknerMMWW21[234], NattafM20[294], BenediktSMVH18[51], Tesch18[377], KoschB14[219], BillautHL12[57], KovacsK11[223], AkkerDH07[387], Sadykov04[340], OddiPCC03[304], SchildW00[344]	abs-2402-00459[295], IsikYA23[197], NaderiRR23[291], Mehdizadeh-Somarin23[275], GeitzGSSW22[148], AbreuN22[100], abs-2211-14492[365], PohlAK22[321], ZhangJZL22[427], LiFJZLL22[243], FanXG21[126], QinWSLS21[330], KovacsTKSG21[226], TangB20[369], GodetLHS20[154], ParkUJR19[313], Tom19[380], MalapertN19[269], GedikKEK18[143], AstrandJZ18[23], ArbaouiY18[14], MossigeGSMC17[284], ZarandiKS16[424], DejemeppeCS15[103], MelgarejoLS15[7], BurtLPS15[80], HoundjiSWD14[194], NovasH14[303], GuSS13[167]... (Total: 43)
Constraints	alldifferent	JuvinHHL23[199], KoehlerBFFHPSSS21[216], Simonis07[361]	GodetLHS20[154], BessiereHMQW14[56], KelarevaTK13[208]	WangB23[408], BourreauGGLT22[75], AstrandJZ20[24], WangB20[407], FahimiOQ18[124], MelgarejoLS15[7], AlesioNBG14[110], ClercqPBJ11[91], HermenierDL11[185], HachemiGR11[169], TrojetHL11[384], LopesCSM10[261]
Constraints	alternative constraint	LaborieRSV18[233]	abs-2305-19888[181], MurinR19[288]	LacknerMMWW23[235], NaderiRR23[291], WinterMMW22[413], ZhangJZL22[427], HeinzNVH22[180], ArmstrongGOS21[15], HubnerGSV21[195], PandeyS21a[310], VlkHT21[404], HillTV21[186], MengZRZL20[277], SacramentoSP20[339], EscobetPQPRA19[121], GeibingerMM19[146], GalleguillosKSB19[135], MalapertN19[269], abs-1911-04766[145], ArbaouiY18[14], Laborie18a[232], NishikawaSTT18a[297], NishikawaSTT18[296], CappartS17[83], NovaraNH16[299], PraletLJ15[327], BartoliniBBLM14[37], SchuttFS13[347], HeinzB12[175], Laborie09[231]
Constraints	alwaysIn	PopovicCGNC22[323], SerraNM12[352]	AalianPG23[1], TangB20[369], MalapertN19[269], LaborieRSV18[233], GoelSHFS15[155]	CampeauG22[82], KreterSS17[228]
Constraints	bin-packing	TangB20[369], LetortCB15[242], LetortCB13[241], HeinzSSW12[177], LetortBC12[240], SchausHMCMD11[343]	FrimodigS19[132], BaptisteB18[28], GarganiR07[136], SakkoutW00[342], SchildW00[344]	abs-2402-00459[295], LacknerMMWW23[235], AkramNHRSA23[8], abs-2211-14492[365], ArmstrongGOS21[15], GodetLHS20[154], Madi-WambaLOBM17[267], KoschB14[219], DoulabiRP14[114], LimtanyakulS12[249], EdisO11[116], HermenierDL11[185], BeldiceanuCDP11[45], KovacsB08[220], HentenryckM08[184], Simonis07[361], DavenportKRSH07[99], AggounB93[6]
Constraints	circuit	MontemanniD23a[282], KlankeBYE21[214], Mercier-AubinGQ20[278], RuggieroBBMA09[338], GruianK98[166], Wallace96[405]	WessenCS20[411], KrogtLPHJ07[389], KuchcinskiW03[229], DincbasSH90[112]	PrataAN23[328], IsikYA23[197], MontemanniD23[283], MullerMKP22[287], KoehlerBFFHPSSS21[216], ArmstrongGOS21[15], WallaceY20[406], GroleazNS20[165], EscobetPQPRA19[121], Hooker17[192], HechingH16[174], BridiBLMB16[77], MelgarejoLS15[7], MurphyMB15[289], HoundjiSWD14[194], BonfiettiLBM14[66], CireCH13[90], cpaiorSchuttFS13[346], LombardiM12[259], BeniniLMR11[53], SchuttFSW11[349], CobanH10[92], Hooker06[191], QuSN06[332], cpHooker05[190], Hooker05[189], Hooker04[188], MartinPY01[273], KorbaaYG99[217]... (Total: 33)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Constraints	cumulative	PovedaAA23[325], TardivoDFMP23[371], NaderiRR23[291], AalianPG23[1], KameugneFND23[204], IsikYA23[197], LacknerMMWW23[235], FetgoD22[127], PohlAK22[321], OuelletQ22[307], ZhangJZL22[427], BoudreaultSLQ22[74], LacknerMMWW21[234], HanenKP21[170], KovacsTKSG21[226], SacramentoSP20[339], Mercier-AubinGQ20[278], WallaceY20[406], GodetLHS20[154], GroleazNS20a[164], GroleazNS20[165], YangSS19[419], abs-1911-04766[145], Novas19[300], MalapertN19[269], GeibingerMM19[146], LaborieRSV18[233], KameugneFGOQ18[203], FahimiOQ18[124]... (Total: 113)	PrataAN23[328], abs-2402-00459[295], EfthymiouY23[117], abs-2312-13682[316], PerezGSL23[315], CampeauG22[82], GeitzGSSW22[148], AbreuN22[100], HubnerGSV21[195], HillTV21[186], KlankeBYE21[214], NattafM20[294], GalleguillosKSB19[135], BorghesiBLMB18[72], GedikKEK18[143], BoothNB16[71], BonfiettiZLM16[70], LimHTB16[246], GayHLS15[139], BurtLPS15[80], GuSS13[167], BonfiettiLM13[67], LimtanyakulS12[249], BartakS11[36], KovacsB11[221], GrimesH10[160], AronssonBK09[17], Limtanyakul07[248], AkkerDH07[387]... (Total: 37)	GurPAE23[168], TasselGS23[372], abs-2306-05747[373], abs-2305-19888[181], Bit-Monnot23[58], YuraszeckM-CCR23[423], JuvinHHL23[199], HeinzNVH22[180], Popovic-CGNC22[323], abs-2211-14492[365], SubulanC22[364], ArmstrongGOS22[16], PandeyS21a[310], KoehlerBFFH-PSSS21[216], GeibingerMM21[147], ArmstrongGOS21[15], abs-1902-09244[171], FrimodigS19[132], WikarekS19[412], Laborie18a[232], AstrandJZ18[23], ZhangW18[429], ArbaouiY18[14], DemirovicS18[106], CappartS17[83], GoldwaserS17[157], BofillCSV17[60], CauwelaertDMS16[86], GilesH16[151]... (Total: 71)
Constraints	cycle	AalianPG23[1], Astrand0F21[22], AntuoriHHEN21[13], AbohashimaEG21[2], GroleazNS20a[164], WallaceY20[406], AstrandJZ20[24], ParkUJR19[313], BorghesiBLMB18[72], AstrandJZ18[23], BridiBLMB16[77], BonfiettiLBM14[66], BessiereHMQW14[56], LombardiBMB11[254], SunLYL10[366], RuggieroBBMA09[338], RossiTHP07[337], WolinskiKG04[416], KuchcinskiW03[229], Kumar03[230], ArtiguesR00[19], SchildW00[344], KorbaaYG99[217], GruianK98[166], RodosekW98[336], ErtlK91[120]	EfthymiouY23[117], CampeauG22[82], KoehlerBFFHPSSS21[216], HillTV21[186], HubnerGSV21[195], GroleazNS20[165], MossigeGSMC17[284], SimoninAHL15[359], PraletLJ15[327], BurtLPS15[80], SimoninAHL12[358], BonfiettiLBM12[65], HachemiGR11[169], KovacsB11[221], BonfiettiLBM11[64], Vilim11[399], KovacsB08[220], Simonis07[361], LiuJ06[252], BeniniBGM06[52], KhemmoudjPB06[212], OddiPCC03[304], Wallace96[405]	Bit-Monnot23[58], AkramNHRSA23[8], BourreauGGLT22[75], AbreuN22[100], ArmstrongGOS21[15], FanXG21[126], TangB20[369], Mercier-AubinGQ20[278], QinDCS20[331], Novas19[300], BadicaBIL19[26], abs-1902-09244[171], EscobetPQPRA19[121], LaborieRSV18[233], KreterSS17[228], Pralet17[326], BonfiettiZLM16[70], MurphyMB15[289], LetortCB15[242], DejemeppeCS15[103], GaySS14[142], OzturkTHO13[309], BonfiettiLM13[67], HeinzB12[175], LombardiM12[259], SerraNM12[352], BillautHL12[57], NovasH12[302], ChapadosJR11[88]... (Total: 52)
Constraints	diffn	ArmstrongGOS21[15], Simonis07[361]	BeldiceanuCDP11[45]	BourreauGGLT22[75], KreterSS17[228], KreterSS15[227], TrojetHL11[384], Timpe02[379], GruianK98[166], SimonisC95[362], Simonis95[360]
Constraints	disjunctive	JuvinHHL23[199], NaderiRR23[291], Bit-Monnot23[58], BourreauGGLT22[75], KoehlerBFFHPSSS21[216], GodetLHS20[154], LaborieRSV18[233], FahimiOQ18[124], NattafAL17[293], Pralet17[326], MossigeGSMC17[284], FontaineMH16[128], GoelSHFS15[155], MelgarejoLS15[7], SialaAH15[357], cpaior-GayHS15[141], cpaior-SchuttFS15[346], SchuttFS13[347], OzturkTHO13[309], LombardiM12[259], BeldiceanuCDP11[45], SchuttFSW11[349], LopesCSM10[261], SchuttW10[351], GrimesH10[160], LombardiM10a[256], GrimesHM09[162], BeldiceanuCP08[46], HentenryckM04[183]... (Total: 42)	BoudreaultSLQ22[74], Astrand0F21[22], GeibingerMM21[147], SacramentoSP20[339], AstrandJZ20[24], YangSS19[419], DemirovicS18[106], KameugneFGOQ18[203], SimoninAHL15[359], EvenSH15[122], EvenSH15a[123], GayHS15[140], VilimLS15[402], KameugneFSN14[206], GaySS14[142], KelbelH11[209], HeinzS11[178], GrimesH11[161], LiessM08[244], MouraSCL08a[285], MouraSCL08[286], MonetteDD07[280], ArtiouchineB05[20], SchildW00[344], ArtiguesR00[19], Darby-DowmanLMZ97[97]	abs-2402-00459[295], LacknerMMWW23[235], TardivoDFMP23[371], abs-2306-05747[373], KameugneFND23[204], PovedaAA23[325], EfthymiouY23[117], TasselGS23[372], MullerMKP22[287], OuelletQ22[307], abs-2211-14492[365], OujanaAYB22[308], ZhangYW21[428], KlankeBYE21[214], ZhangYW21[428], Mercier-AubinGQ20[278], WallaceY20[406], abs-1911-04766[145], WikarekS19[412], ColT19[93], AstrandJZ18[23], OuelletQ18[306], YoungFS17[420], GoldwaserS17[157], BoothNB16[71], GingrasQ16[152], Tesch16[376], NovaraNH16[299], CauwelaertDMS16[86], GilesH16[151]... (Total: 90)
Constraints	endBeforeStart	SubulanC22[364], QinDCS20[331]	NaderiRR23[291], IsikYA23[197], PandeyS21a[310], LunardiBLRV20[264], MengZRZL20[277], LaborieRSV18[233], NovaraNH16[299], Laborie09[231]	JuvinHHL23[199], YuraszeckMCCR23[423], CzerniachowskaWZ23[95], LacknerMMWW23[235], JuvinHL23[200], AalianPG23[1], Teppan22[375], CampeauG22[82], ZhangJZL22[427], HubnerGSV21[195], ZhangYW21[428], LacknerMMWW21[234], TangB20[369], SacramentoSP20[339], BenediktMH20[50], MurinR19[288], abs-1902-09244[171], ParkUJR19[313], GeibingerMM19[146], abs-1911-04766[145], Novas19[300], NishikawaSTT18a[297], NishikawaSTT18[296]
Constraints	geost	BeldiceanuCDP11[45]	LetortBC12[240], PembertonG98[314]	BeldiceanuCP08[46]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Constraints	noOverlap	abs-2305-19888[181], NaderiRR23[291], IsikYA23[197], JuvinHHL23[199], HeinzNVH22[180], PopovicCGNC22[323], VlkHT21[404], LunardiBLRV20[264], QinDCS20[331], GedikKEK18[143], MelgarejoLS15[7]	KimCMLLP23[213], abs-2306-05747[373], LacknerMMWW23[235], TasselGS23[372], AbreuN22[100], PohlAK22[321], KlankeBYE21[214], BenderWS21[49], BenediktMH20[50], MengZRZL20[277], SacramentoSP20[339], MalapertN19[269], MurinR19[288], abs-1911-04766[145], EscobetPQPRA19[121], Novas19[300], LaborieRSV18[233], ZhangW18[429], ArbaouiY18[14], NovaraNH16[299], BoothNB16[71], GoelSHFS15[155], PraletLJ15[327], EdisO11[116]	JuvinHL23[200], YuraszeckMC23[422], AalianPG23[1], CzerniachowskaWZ23[95], SquillaciPR23[363], Teppan22[375], WinterMMW22[413], CampeauG22[82], OujanaAYB22[308], ArmstrongGOS22[16], TouatBT22[382], ZhangJZL22[427], LacknerMMWW21[234], GroleazNS20[165], GroleazNS20a[164], NattafM20[294], BogaerdtW19[388], ColT19[93], GeibingerMM19[146], ParkUJR19[313], BeneniktSMVH18[51], CappartS17[83], HechingH16[174], VilimLS15[402], WangMD15[409], Laborie09[231]
Constraints	regular expression		FrimodigS19[132]	
Constraints	span constraint		CappartS17[83], SchuttFS13[347], LombardiM10a[256], Darby-DowmanLMZ97[97]	OujanaAYB22[308], TangB20[369], LaborieRSV18[233], SimoninAHL15[359], SimoninAHL12[358], SchuttFSW11[349]
Constraints	table constraint	LombardiM10a[256], PapaB98[312]		PerezGSL23[315], abs-2312-13682[316], ArmstrongGOS21[15], GayHS15[140], PesantRR15[317], MelgarejoLS15[7], LimtanyakulS12[249], BeniniLMR11[53], HermenierDL11[185], LopesCSM10[261], MouraSCL08[286], ElkhyariGJ02[118]
ProgLanguages	C	KoehlerBFFHPSSS21[216]		HubnerGSV21[195], BogaerdtW19[388], LaborieRSV18[233], HoYCLLCLC18[187], LombardiM10a[256], Laborie09[231], GarridoOS08[138]
ProgLanguages	C++		BourreauGGLT22[75]	TardivoDFMP23[371], JuvinHHL23[199], PopovicCGNC22[323], AntuoriHHEN21[13], QinWSLS21[330], AstrandJZ20[24], Mercier-AubinGQ20[278], abs-1902-01193[9], LaborieRSV18[233], ArbaouiY18[14], NattafAL17[293], BoothNB16[71], Tesch16[376], NattafAL15[292], LombardiBMB11[254], LahimerLH11[236], KovacsK11[223], KovacsB11[221], LopesCSM10[261], ThiruvadyBME09[378], MouraSCL08[286], LiessM08[244], WatsonB08[410], MouraSCL08a[285], GarganiR07[136], DavenportKRSH07[99], KeriK07[210], KhemmoudjPB06[212], Vilim05[396]... (Total: 35)
ProgLanguages	Java		KuchcinskiW03[229]	abs-2306-05747[373], AlfieriGPS23[10], TasselGS23[372], KameugneFND23[204], MullerMKP22[287], FetgoD22[127], OuelletQ22[307], Teppan22[375], FanXG21[126], AntuoriHHEN21[13], ArmstrongGOS21[15], SacramentoSP20[339], TangB20[369], BarzegaranZP20[38], abs-1911-04766[145], FrohnerTR19[133], Tom19[380], ColT19[93], GeibingerMM19[146], OuelletQ18[306], LaborieRSV18[233], KameugneFGOQ18[203], Madi-WambaB16[266], CauwelaertDMS16[86], LetortCB15[242], EvenSH15a[123], MurphyMB15[289], cpaior-GayHS15[141], KoschB14[219]... (Total: 43)
ProgLanguages	Julia			
ProgLanguages	Lisp			Wallace96[405]
ProgLanguages	Prolog	ArmstrongGOS21[15], FalaschiGMP97[125], Zhou97[432], LammaMM97[237], Wallace96[405], Touraivane95[383], Simonis95[360], DincbasSH90[112]	MossigeGSMC17[284], Madi-WambaLOBM17[267], MartinPY01[273], RodosekW98[336], Zhou96[431], SimonisC95[362], AggounB93[6]	PopovicCGNC22[323], ArmstrongGOS22[16], abs-1902-01193[9], YangSS19[419], LetortCB15[242], LetortCB13[241], LetortBC12[240], TrojetHL11[384], BeldiceanuCDP11[45], AronssonBK09[17], BeldiceanuCP08[46], KrogtLPHJ07[389], Simonis07[361], QuSN06[332], Geske05[150], PoderBS04[320], Bartak02[35], BeldiceanuC02[44], KorbaaYG99[217], Darby-DowmanLMZ97[97], BrusoniCLMMT96[79], Goltz95[158], ErtlK91[120]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ProgLanguages	Python	KoehlerBFFHPSSS21[216]	abs-2211-14492[365], AbreuN22[100], LaborieRSV18[233]	EfthymiouY23[117], SquillaciPR23[363], Mehdizadeh-Somarin23[275], KimCMLLP23[213], Monteman-niD23[283], PovedaAA23[325], MontemanniD23a[282], AkramNHRSA23[8], NaderiRR23[291], FetgoD22[127], PohlAK22[321], MullerMKP22[287], CampeauG22[82], KlankeBYE21[214], FanXG21[126], HanenKP21[170], Ben-derWS21[49], AbohashimaEG21[2], LunardiBLRV20[264], Mercier-AubinGQ20[278], FrimodigS19[132], BehrensLM19[42], FrohnerTR19[133], GalleguillosKSB19[135], abs-1902-01193[9], abs-1901-07914[43], He0GLW18[172], GoldwaserS17[157], Li-uCGM17[251]
CPSystems	CHIP	TrojetHL11[384], Simonis07[361], GruianK98[166], Wallace96[405], Simonis95[360], Goltz95[158], SimonisC95[362], AggounB93[6], DincbasSH90[112]	ArmstrongGOS21[15], YangSS19[419], LaborieRSV18[233], Geske05[150], PoderBS04[320], Timpe02[379], RodosekW98[336], Zhou97[432], LammaMM97[237]	PrataAN23[328], TardivoDFMP23[371], KameugneFND23[204], FetgoD22[127], BourreauGGLT22[75], PopovicCGNC22[323], KlankeBYE21[214], GodetLHS20[154], abs-1902-01193[9], Bap-tisteB18[28], KameugneFGOQ18[203], MossigeGSMC17[284], Pralet17[326], KreterSS17[228], Madi-WambaB16[266], FontaineMH16[128], ZhouGL15[433], SimoninAHL15[359], LetortCB15[242], KreterSS15[227], GrimesIOS14[163], KameugneFSN14[206], DerrienPZ14[109], cpaior-SchuttFS13[346], OzturkTHO13[309], SimoninAHL12[358], SchuttCSW12[345], LetortBC12[240], ClercqPBJ11[91]... (Total: 47)
CPSystems	CPO	NaderiRR23[291], LacknerMMWW23[235], JuvinHHL23[199], Bit-Monnot23[58], CzerniachowskaWZ23[95], WinterMMW22[413], LacknerMMWW21[234], ArmstrongGOS21[15], NattafM20[294], GroleazNS20[165], GroleazNS20a[164], SacramentoSP20[339], GeibingerMM19[146], ColT19[93], MalapertN19[269], LaborieRSV18[233], KreterSS17[228], GoelSHFS15[155], PraletLJ15[327], Laborie09[231]	AalianPG23[1], abs-1911-04766[145]	JuvinHL23[200], PovedaAA23[325], OujanaAYB22[308], GeibingerMM21[147], TangB20[369], Laborie18a[232], Pralet17[326], VilimLS15[402], GarridoAO09[137], Vilim09[397], GarridoOS08[138]
CPSystems	Choco Solver	TasselGS23[372], abs-2306-05747[373], LetortCB15[242], LetortCB13[241], OuelletQ13[305], LetortBC12[240], GrimesHM09[162], abs-0907-0939[318], GarridoAO09[137], GarridoOS08[138]	KameugneFND23[204], MullerMKP22[287], FetgoD22[127], AntuoriHHEN21[13], LiuLH19[250], FahimiOQ18[124], KameugneFGOQ18[203], LaborieRSV18[233], GayHS15[140], KoschB14[219], DerrienPZ14[109], DerrienP14[108], HermenierDL11[185], ClercqPBJ11[91]	BourreauGGLT22[75], OuelletQ22[307], GodetLHS20[154], YangSS19[419], OuelletQ18[306], GingrasQ16[152], Madi-WambaB16[266], EvenSH15a[123], MurphyMB15[289], EvenSH15[122], BessiereHMQW14[56], RossiTHP07[337]
CPSystems	Chuffed	LacknerMMWW23[235], PovedaAA23[325], BoudreaultSLQ22[74], MullerMKP22[287], LacknerMMWW21[234], GeibingerMM21[147], ArmstrongGOS21[15], KoehlerBFFHPSSS21[216], WallaceY20[406], GodetLHS20[154], abs-1911-04766[145], YoungFS17[420], KreterSS17[228], SzerediS16[368], KreterSS15[227]		SchuttS16[350]
CPSystems	Claire	BaptisteP00[31]	BaptisteP97[30]	HanenKP21[170], PapaB98[312]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	Cplex	CzerniachowskaWZ23[95], NaderiRR23[291], SubulanC22[364], BourreauGGLT22[75], MullerMKP22[287], WinterMMW22[413], HubnerGSV21[195], GeibingerKKMMW21[144], KoehlerBFFHPSSS21[216], PandeyS21a[310], QinDCS20[331], SacramentoSP20[339], LunardiBLRV20[264], MengZRZL20[277], MurinR19[288], GeibingerMM19[146], abs-1911-04766[145], LaborieRSV18[233], NishikawaSTT18[296], NishikawaSTT18a[297], KreterSS17[228], NovaraNH16[299], KoschB14[219], HeinzSB13[179], CireCH13[90], Mason01[274], Darby-DowmanLMZ97[97]	LacknerMMWW23[235], Mehdizadeh-Somarin23[275], IsikYA23[197], CampeauG22[82], TouatBT22[382], LacknerMMWW21[234], KovacsTKSG21[226], QinWSLS21[330], ArmstrongGOS21[15], NattafM20[294], WallaceY20[406], abs-1902-09244[171], MalapertN19[269], Novas19[300], HechingH16[174], VilimLS15[402], BofillGSV15[62], NattafAL15[292], PraletLJ15[327], BofillEGPSV14[61], GrimesIOS14[163], HeinzKB13[176], HeinzB12[175], SerraNM12[352], BillautHL12[57], LimtanyakulS12[249], GrimesH11[161], KelbelH11[209], EdisO11[116]... (Total: 35)	AlfieriGPS23[10], JuvinHL23[200], SquillaciPR23[363], Gur-PAE23[168], PovedaAA23[325], YuraszeckMCCR23[423], AalianPG23[1], abs-2211-14492[365], PohlAK22[321], PopovicCGNC22[323], AbreuN22[100], ZhangYW21[428], GeibingerMM21[147], FanXG21[126], VlkHT21[404], KlankeBYE21[214], TangB20[369], GroleazNS20a[164], FrimodigS19[132], BogaerdtW19[388], EscobetPQPRA19[121], PourDERB18[324], ZhangW18[429], GedikKEK18[143], Ar-baouiY18[14], NattafAL17[293], Pralet17[326], SzerediS16[368], BoothNB16[71]... (Total: 65)
CPSystems	ECLiPSe	BadicaBIL19[26], RodosekW98[336]	SchuttFSW11[349], KamarainenS02[201], Darby-DowmanLMZ97[97], Wallace96[405]	FanXG21[126], WikarekS19[412], ZeballosQH10[426], Schut-tFSW09[348], BeniniBGM06[52], ChuX05[89], QuirogaZH05[333], MartinPY01[273], LammaMM97[237]
CPSystems	Gecode	TardivoDFMP23[371], AstrandJZ20[24], BadicaBIL19[26], SzerediS16[368], ZhouGL15[433], GayHS15[140], KameugneFSN14[206]	MullerMKP22[287], AntuoriHHEN21[13], GeibingerKKMMW21[144], Astrand0F21[22], FrohnerTR19[133], abs-1911-04766[145], GeibingerMM19[146], LaborieRSV18[233], BurtLPS15[80], BofillEGPSV14[61], KovacsK11[223], KameugneFSN11[205], ThiruvadyBME09[378]	ArmstrongGOS21[15], WessenCS20[411], WallaceY20[406], MengZRZL20[277], FrimodigS19[132], YangSS19[419], As-trandJZ18[23], GoldwaserS17[157], PesantRR15[317], Monet-teDD07[280]
CPSystems	Gurobi	WangB23[408], NaderiRR23[291], LacknerMMWW23[235], WinterMMW22[413], KovacsTKSG21[226], GeibingerKKMMW21[144], KoehlerBFFHPSSS21[216], LacknerMMWW21[234], WangB20[407], WallaceY20[406], FrohnerTR19[133]	VlkHT21[404], GoldwaserS17[157], FontaineMH16[128]	KimCMLLP23[213], abs-2305-19888[181], MontemanniD23[283], HeinzNVH22[180], PohlAK22[321], HubnerGSV21[195], FanXG21[126], KlankeBYE21[214], AbohashimaEG21[2], BenediktMH20[50], MengZRZL20[277], He0GLW18[172], DemirovicS18[106], BenediktSMVH18[51], BurtLPS15[80], PesantRR15[317]
CPSystems	Ilog Scheduler	GrimesH11[161], ZeballosQH10[426]	LaborieRSV18[233], NovasH12[302], HeinzB12[175], LimtanyakulS12[249], GrimesHM09[162], WatsonB08[410], ZeballosH05[425]	Laborie18a[232], SchuttS16[350], NovasH14[303], BeniniLMR11[53], KovacsB11[221], SchuttFSW11[349], LahimerLH11[236], HachemiGR11[169], LopesCSM10[261], NovasH10[301], RuggieroBBMA09[338], cpaior-Vilim09[398], KovacsB08[220], MouraSCL08a[285], MouraSCL08[286], Ho-eveGSL07[390], Simonis07[361], KovacsV06[225], Hooker06[191], WuBB05[418], cp-Hooker05[190], ArtiouchineB05[20], QuirogaZH05[333], Hooker05[189], KovacsV04[224], Ar-tiguesBF04[18], Hooker04[188], DannaP03[96], Bartak02a[34]... (Total: 31)
CPSystems	Ilog Solver		GrimesH11[161], ZeballosQH10[426]	abs-1902-01193[9], LaborieRSV18[233], ZarandiKS16[424], PesantRR15[317], BonfiettiLBM14[66], NovasH14[303], Ozturk-THO13[309], BonfiettiLBM12[65], NovasH12[302], HeinzB12[175], LombardiM12a[258], KelbelH11[209], BonfiettiLBM11[64], KovacsK11[223], KovacsB11[221], TopalogluO11[381], Lom-bardiM10[257], LopesCSM10[261], LombardiM09[255], Rug-gieroBBMA09[338], MouraSCL08a[285], MouraSCL08[286], KovacsB08[220], GomesHS06[159], BeniniBGM06[52], QuirogaZH05[333], ZeballosH05[425], ArtiguesBF04[18], Dan-naP03[96]... (Total: 37)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	MiniZinc	LacknerMMWW23[235], TardivoDFMP23[371], BoudreaultSLQ22[74], MullerMKP22[287], ArmstrongGOS21[15], KoehlerBFFHPSSS21[216], LacknerMMWW21[234], Mercier-AubinGQ20[278], WallaceY20[406], abs-1911-04766[145], ColT19[93], FrohnerTR19[133], GeibingerMM19[146], YoungFS17[420], LiuCGM17[251], SzerediS16[368], BofillEGPSV14[61], KelarevaTK13[208]	PovedaAA23[325], KreterSS17[228], KreterSS15[227]	Bit-Monnot23[58], OuelletQ22[307], GeibingerKKMMW21[144], abs-1901-07914[43], FrimodigS19[132], BehrensLM19[42], DemirovicS18[106], FontaineMH16[128], SchuttS16[350], BurtLPS15[80], HeinzSB13[179], SchuttFS13[347]
CPSystems	Mistral	JuvinHHL23[199], GrimesHM09[162]	Bit-Monnot23[58], BillautHL12[57]	SialaAH15[357]
CPSystems	OPL	LacknerMMWW23[235], MullerMKP22[287], TouatBT22[382], LacknerMMWW21[234], PandeyS21a[310], KoehlerBFFHPSSS21[216], QinDCS20[331], Novas19[300], EscobetPQPRA19[121], LaborieRSV18[233], NovaraNH16[299], AlesioNBG14[110], NovasH12[302], HachemiGR11[169], ZeballosQH10[426], Laborie09[231], KhayatLR06[211], AggounB93[6]	SubulanC22[364], Teppan22[375], Mercier-AubinGQ20[278], MurinR19[288], Laborie18a[232], LimBTBB15[247], WangMD15[409], EvenSH15a[123], NovasH14[303], OzturkTHO13[309], SerraNM12[352], HeinzB12[175], TopalogluO11[381], EdisO11[116], KelbelH11[209], ZibranR11a[436], NovasH10[301], Simonis07[361], GarganiR07[136], KrogtLPHJ07[389], Hooker06[191], ZeballosH05[425], QuirogaZH05[333], cp-Hooker05[190], VerfaillieL01[392], RodosekW98[336]	abs-2402-00459[295], GurPAE23[168], CzerniachowskaWZ23[95], MontemanniD23[283], IsikYA23[197], EfthymiouY23[117], YuraszeckMCCR23[423], PerezGSL23[315], abs-2312-13682[316], GeitzGSSW22[148], ArmstrongGOS22[16], BoudreaultSLQ22[74], OujanaAYB22[308], LiFJZLL22[243], VlkHT21[404], QinWSLS21[330], HubnerGSV21[195], WallaceY20[406], MengZRZL20[277], BogaerdtW19[388], abs-1902-09244[171], Tom19[380], YangSS19[419], abs-1902-01193[9], ZhangW18[429], CappartS17[83], LiuCGM17[251], Tesch16[376], LimHTB16[246]... (Total: 57)
CPSystems	OR-Tools	abs-2402-00459[295], LacknerMMWW23[235], abs-2211-14492[365], MullerMKP22[287], KovacsTKSG21[226], LacknerMMWW21[234], KoehlerBFFHPSSS21[216], ColT19[93], GayHS15[140]	EfthymiouY23[117], BoudreaultSLQ22[74], GeibingerKKMMW21[144], BarzegaranZP20[38], LiuCGM17[251]	Bit-Monnot23[58], KimCMLLP23[213], MontemanniD23[283], AkramNHRSA23[8], MontemanniD23a[282], Teppan22[375], KlankeBYE21[214], MengZRZL20[277], GroleazNS20[165], Galleguillos KSB19[135], BehrensLM19[42], abs-1901-07914[43], YangSS19[419], PourDERB18[324], BonfiettiZLM16[70], ZhouGL15[433], LombardiM12[259]
CPSystems	OZ	PrataAN23[328], NaderiRR23[291], CzerniachowskaWZ23[95], IsikYA23[197], WikarekS19[412], TopalogluO11[381], NovasH10[301], RuggieroBBMA09[338], VanczaM01[391], SchildW00[344]	GeitzGSSW22[148], BourreauGGLT22[75], AbreuN22[100], SubulanC22[364], PohlAK22[321], FanXG21[126], GodetLHS20[154], AstrandJZ20[24], WessenCS20[411], abs-1901-07914[43], LiuLH19[250], Novas19[300], BehrensLM19[42], Hooker17[192], BridiBLMB16[77], EdisO11[116], GrimesH11[161], ZeballosQH10[426], LiessM08[244], BeniniBGM06[52], MareveliasG04[272]	Mehdizadeh-Somarin23[275], GurPAE23[168], MullerMKP22[287], CampeauG22[82], ZhangJZL22[427], ArmstrongGOS22[16], FetgoD22[127], TouatBT22[382], abs-2211-14492[365], LiFJZLL22[243], PopovicCGNC22[323], ArmstrongGOS21[15], LacknerMMWW21[234], QinWSLS21[330], PandeyS21a[310], WangB20[407], SacramentoSP20[339], abs-1911-04766[145], Tom19[380], abs-1902-09244[171], FrimodigS19[132], Galleguillos KSB19[135], ArbaouiY18[14], BenediktSMVH18[51], OuelletQ18[306], GedikKEK18[143], NishikawaSTT18a[297], NishikawaSTT18[296], DemirovicS18[106]... (Total: 65)
CPSystems	SICStus	ArmstrongGOS21[15], LetortCB15[242], LetortCB13[241], LetortBC12[240]	MossigeGSMC17[284], SchuttFSW11[349], QuSN06[332]	ArmstrongGOS22[16], PopovicCGNC22[323], YangSS19[419], Madi-WambaLOBM17[267], BeldiceanuCDP11[45], TrojetHL11[384], SchuttFSW09[348], BeldiceanuCP08[46], Geske05[150], Bartak02[35], BeldiceanuC02[44]
CPSystems	Z3	KoehlerBFFHPSSS21[216]	NaderiRR23[291], VlkHT21[404], WikarekS19[412], Zhou97[432]	ZhangW18[429], BofillCSV17[60], BertholdHLMS10[55], Zhou96[431]
ApplicationAreas	COVID		GeibingerKKMMW21[144]	Mehdizadeh-Somarin23[275], GurPAE23[168], OujanaAYB22[308]
ApplicationAreas	HVAC	LimHTB16[246], LimBTBB15[247], GrimesIOS14[163]		
ApplicationAreas	agriculture			AkramNHRSA23[8], BenderWS21[49], QinWSLS21[330], Astrand0F21[22]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ApplicationAreas	aircraft	PohlAK22[321], WangB20[407], LombardiM12[259], FrankK05[130], ArtiouchineB05[20]	WangB23[408], Simonis07[361], SakkoutW00[342]	PrataAN23[328], PovedaAA23[325], abs-1902-09244[171], LaborieRSV18[233], Laborie09[231], KovacsB08[220], KrogtLPHJ07[389], MartinPY01[273], GruianK98[166], Darby-DowmanLMZ97[97], Wallace96[405], Simonis95[360], SimonisC95[362]
ApplicationAreas	automotive		LimtanyakulS12[249], SunLYL10[366], BarlattCG08[33], SchildW00[344]	PovedaAA23[325], NaderiRR23[291], CzerniachowskaWZ23[95], AntuoriHHEN21[13], HubnerGSV21[195], KoehlerBFFH-PSSS21[216], VlkHT21[404], BarzegaranZP20[38], GeibingerMM19[146], abs-1911-04766[145], BonfiettiZLM16[70], AlesioNBG14[110], BeniniBGM06[52], KovacsV06[225], Wallace96[405]
ApplicationAreas	cable tree	KoehlerBFFHPSSS21[216]		
ApplicationAreas	car manufacturing		AntuoriHHEN21[13]	
ApplicationAreas	container terminal	QinDCS20[331], SacramentoSP20[339]	LaborieRSV18[233]	abs-2312-13682[316], PerezGSL23[315], TouatBT22[382], WallaceY20[406], CauwelaertDMS16[86], DejemeppeCS15[103], NovasH12[302], LimRX04[245]
ApplicationAreas	crew-scheduling	PourDERB18[324]	BourreauGGLT22[75], Mason01[274], Touraivane95[383]	NaderiRR23[291], WangB23[408], HeinzNVH22[180], HachemiGR11[169], BeldiceanuC02[44]
ApplicationAreas	dairies			Bartak02[35], Bartak02a[34]
ApplicationAreas	dairy	EscobetPQPRA19[121]	PrataAN23[328]	
ApplicationAreas	datacenter	HermenierDL11[185]		GalleguillosKSB19[135], Madi-WambaLOBM17[267], IfrimOS12[196], LetortBC12[240]
ApplicationAreas	datacentre			
ApplicationAreas	day-ahead market			
ApplicationAreas	deep space			
ApplicationAreas	earth observation	SquillaciPR23[363], VerfaillieL01[392]	BensanaLV99[54]	PraletLJ15[327], SimoninAHL15[359], KelarevaTK13[208], Odd-iPCC03[304]
ApplicationAreas	earth orbit			SquillaciPR23[363]
ApplicationAreas	electroplating		RodosekW98[336]	EfthymiouY23[117], WallaceY20[406], NovasH12[302]
ApplicationAreas	energy-price	GrimesIOS14[163], IfrimOS12[196]		PrataAN23[328], EscobetPQPRA19[121], BenediktSMVH18[51], He0GLW18[172], LimHTB16[246]
ApplicationAreas	farming			WinterMMW22[413], Astrand0F21[22]
ApplicationAreas	forestry	HachemiGR11[169]		Astrand0F21[22]
ApplicationAreas	hoist	EfthymiouY23[117], WallaceY20[406], RodosekW98[336]	NovasH12[302], BonfiettiLBM11[64]	AstrandJZ18[23], BonfiettiLBM14[66], BonfiettiM12[69], BonfiettiLBM12[65], LombardiBMB11[254], KorbaaYG99[217], PapaB98[312]
ApplicationAreas	medical	ShinBBHO18[355], WangMD15[409], TopalogluO11[381]	HechingH16[174], DejemeppeD14[104], RendlPHPR12[334]	AkramNHRSA23[8], IsikYA23[197], AbreuN22[100], GeibingerKKMMW21[144], abs-1902-01193[9], FrimodigS19[132], Novas19[300], HoYCLLCLC18[187], GedikKEK18[143], Bridi-BLMB16[77], BoothNB16[71], BonfiettiLBM14[66], DoulabiRP14[114], Simonis07[361]
ApplicationAreas	nurse	GurPAE23[168], abs-1902-01193[9], HoYCLLCLC18[187], ShinBBHO18[355], WangMD15[409], RendlPHPR12[334], Simonis07[361], Mason01[274]	OuelletQ22[307], GeibingerKKMMW21[144], GeibingerMM21[147], FrohnerTR19[133]	PerezGSL23[315], abs-2312-13682[316], BourreauGGLT22[75], FrimodigS19[132], GedikKEK18[143], NishikawaSTT18a[297], DoulabiRP14[114], TopalogluO11[381]
ApplicationAreas	offshore		SubulanC22[364]	BoudreaultSLQ22[74]
ApplicationAreas	oven scheduling	LacknerMMWW23[235], LacknerMMWW21[234]		
ApplicationAreas	patient	GurPAE23[168], FrimodigS19[132], ShinBBHO18[355], HechingH16[174], WangMD15[409], DejemeppeD14[104], RendlPHPR12[334], TopalogluO11[381]	GeibingerKKMMW21[144]	AlfieriGPS23[10], MurinR19[288], HoYCLLCLC18[187], DoulabiRP14[114], Simonis07[361]
ApplicationAreas	perfect-square	BeldiceanuCDP11[45], BeldiceanuCP08[46], AggounB93[6]		
ApplicationAreas	physician	GeibingerKKMMW21[144], ShinBBHO18[355]		GurPAE23[168], FrimodigS19[132], WangMD15[409], TopalogluO11[381]

Domain	Keyword	High	Medium	Low
ApplicationAreas	pipeline	LopesCSM10[261], RuggieroBBMA09[338], MouraSCL08[286], MouraSCL08a[285], ErtlK91[120]	BeniniBGM06[52], WolinskiKG04[416]	EfthymiouY23[117], PopovicCGNC22[323], HanenKP21[170], NishikawaSTT18[296], NishikawaSTT18a[297], Labori-eRSV18[233], GilesH16[151], GoelSHFS15[155], Simoni-nAHL15[359], BonfiettiLBM14[66], BeniniLMR11[53], No-vasH10[301], BarlattCG08[33], KuchcinskiW03[229], Wolf03[414], GruianK98[166], Darby-DowmanLMZ97[97], SimonisC95[362]
ApplicationAreas	radiation therapy	FrimodigS19[132]		
ApplicationAreas	railway	PourDERB18[324], CappartS17[83], Acuna-AgostMFG09[4], AronssonBK09[17], Geske05[150], MartinPY01[273], LammaMM97[237]	LaborieRSV18[233], Mason01[274], BrusoniCLMMT96[79]	BogaerdtW19[388], ZhouGL15[433], AbrilSB05[3], Wallace96[405]
ApplicationAreas	real-time pricing		He0GLW18[172], GrimesIOS14[163]	LimHTB16[246]
ApplicationAreas	rectangle-packing	YangSS19[419], AggounB93[6]		MossigeGSMC17[284], VilimLS15[402], BeldiceanuCDP11[45], SchuttW10[351], BeldiceanuCP08[46]
ApplicationAreas	robot	IsikYA23[197], LiFJZLL22[243], ArmstrongGOS21[15], KoehlerBFFHPSSS21[216], WessenCS20[411], MurinR19[288], abs-1901-07914[43], BehrensLM19[42], LaborieRSV18[233], MossigeGSMC17[284], BoothNB16[71], NovasH14[303], NovasH12[302], ValleMGT03[386]	PrataAN23[328], Mehdizadeh-Somarin23[275], CzerniachowskaWZ23[95], TouatBT22[382], OujanaAYB22[308], Astrand0F21[22], WallaceY20[406], WikarekS19[412], NishikawaSTT18a[297], NishikawaSTT18[296], VanczaM01[391]	abs-2305-19888[181], MontemanniD23[283], HeinzNVH22[180], GeitzGSSW22[148], MullerMKP22[287], ZhangYW21[428], VlkHT21[404], MengZRZL20[277], BenediktMH20[50], AstrandJZ20[24], BarzegaranZP20[38], Novas19[300], ZhangW18[429], AstrandJZ18[23], ZarandiKS16[424], Simon-inAHL15[359], BonfiettiLBM14[66], LimtanyakulS12[249], BonfiettiLBM12[65], BonfiettiLBM11[64], TrojetHL11[384], ZeballosQH10[426], Limtanyakul07[248], ZeballosH05[425], QuirogaZH05[333], KorbaaYG99[217], CestaOS98[87], Pember-tonG98[314], Caseau97[85]... (Total: 31)
ApplicationAreas	satellite	SquillaciPR23[363], GodetLHS20[154], LaborieRSV18[233], PraletLJ15[327], KelarevaTK13[208], VerfaillieL01[392], BensanaLV99[54], PembertonG98[314]	Laborie09[231], FrankK05[130]	EfthymiouY23[117], TouatBT22[382], Astrand0F21[22], Pralet17[326], SimoninAHL15[359], BessiereHMQW14[56], HeinzSB13[179], SimoninAHL12[358], RuggieroBBMA09[338], OddiPCC03[304]
ApplicationAreas	semiconductor	MalapertN19[269], NovasH12[302]	QinWSLS21[330], Davenport10[98], KrogtLPHJ07[389]	LacknerMMWW23[235], abs-2211-14492[365], MullerMKP22[287], ZhangJZL22[427], FanXG21[126], Lack-nerMMWW21[234], PandeyS21a[310], MengZRZL20[277], NattafM20[294], TangB20[369], Novas19[300], Labori-eRSV18[233], KoschB14[219]
ApplicationAreas	ship building			
ApplicationAreas	steel cable			AalianPG23[1]
ApplicationAreas	steel mill	GaySS14[142], HeinzSSW12[177], SchausHMCMD11[343], HentenryckM08[184], GarganiR07[136]		abs-2312-13682[316], PerezGSL23[315]
ApplicationAreas	super-computer	BorghesiBLMB18[72], BridiBLMB16[77], BartoliniBBLM14[37]		GalleguillosKSB19[135]
ApplicationAreas	torpedo	KletzanderM17[215], GoldwaserS17[157]		
ApplicationAreas	vaccine			
ApplicationAreas	yard crane		QinDCS20[331]	WallaceY20[406]
Industries	aerospace industry			SchildW00[344]
Industries	agricultural industry	WinterMMW22[413]		
Industries	automotive industry		LimtanyakulS12[249]	CzerniachowskaWZ23[95], AntuoriHHEN21[13], Bonfietti-ZLM16[70], SchildW00[344], Wallace96[405]
Industries	chemical industry		Timpe02[379]	LaborieRSV18[233], GilesH16[151], LombardiM12[259], PoderBS04[320]
Industries	chemical processing industry			GilesH16[151]
Industries	control system industry			BonfiettiZLM16[70]
Industries	electricity industry			PopovicCGNC22[323]
Industries	electronics industry			LacknerMMWW23[235], LacknerMMWW21[234]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Industries	food industry			OujanaAYB22[308], GroleazNS20a[164], GroleazNS20[165], EscobetPQPRA19[121], HachemiGR11[169], SimonisC95[362], Simonis95[360]
Industries	food-processing industry			KlankeBYE21[214], abs-1902-09244[171]
Industries	manufacturing industry			PrataAN23[328], CzerniachowskaWZ23[95], LacknerMMWW23[235], WinterMMW22[413], FanXG21[126], LacknerMMWW21[234], Mercier-AubinGQ20[278], TangB20[369], EscobetPQPRA19[121], GedikKEK18[143]
Industries	mineral industry			Astrand0F21[22], AstrandJZ20[24]
Industries	mining industry	AalianPG23[1]		abs-2402-00459[295], CampeauG22[82], Astrand0F21[22], AstrandJZ20[24]
Industries	oil industry			LopesCSM10[261]
Industries	packaging industry			ArmstrongGOS21[15]
Industries	petro-chemical industry			LaborieRSV18[233], GilesH16[151]
Industries	pharmaceutical industry			YuraszeckMCCR23[423], CzerniachowskaWZ23[95], GeibingerKKMMW21[144], NovaraNH16[299]
Industries	potash industry			Astrand0F21[22], AstrandJZ20[24], AstrandJZ18[23]
Industries	power industry			FrostD98[134]
Industries	process industry		Timpe02[379]	HeinzSSW12[177], Wallace96[405]
Industries	retail industry			ChapadosJR11[88]
Industries	services industry			DoomsH08[113]
Industries	ship repair industry			BoudreaultSLQ22[74]
Industries	steel industry		DavenportKRSH07[99]	LacknerMMWW23[235], KimCMLLP23[213], IsikYA23[197], OujanaAYB22[308], LacknerMMWW21[234], abs-1902-09244[171], KletzanderM17[215], GoldwaserS17[157], HeinzSSW12[177], SchausHMCMD11[343], GrimesH10[160], GarganiR07[136]
Industries	steel making industry			
Industries	textile industry	Mercier-AubinGQ20[278]		BessiereHMQW14[56]
Industries	tourism industry			LiuCGM17[251]
Benchmarks	CSPlib	SchausHMCMD11[343], GarganiR07[136]	LaborieRSV18[233], MossigeGSMC17[284], NovaraNH16[299], HeinzSSW12[177]	LiuLH19[250], GelainPRVW17[149], GaySS14[142], RendlPHPR12[334], HentenryckM08[184]
Benchmarks	Roadef		LetortCB15[242], LetortCB13[241], LetortBC12[240]	CzerniachowskaWZ23[95], HanenKP21[170], MalapertN19[269], Tesch18[377], OuelletQ18[306], Tesch16[376], Acuna-AgostMFG09[4]
Benchmarks	benchmark	IsikYA23[197], TardivoDFMP23[371], AlfieriGPS23[10], JuvinHHL23[199], LacknerMMWW23[235], PovedaAA23[325], Bit-Monnot23[58], NaderiRR23[291], TasselGS23[372], abs-2306-05747[373], YuraszeckMCCR23[423], BoudreaultSLQ22[74], ZhangJZL22[427], OuelletQ22[307], abs-2211-14492[365], TouatBT22[382], AbreuN22[100], MullerMKP22[287], LiFJZLL22[243], WinterMMW22[413], Teppan22[375], KoehlerBFFHPSSS21[216], PandeyS21a[310], LacknerMMWW21[234], GeibingerMM21[147], ZhangYW21[428], FanXG21[126], GodetLHS20[154], GroleazNS20a[164]... (Total: 61)	abs-2402-00459[295], AkramNHRSA23[8], YuraszeckMC23[422], MontemanniD23a[282], KameugneFND23[204], abs-2305-19888[181], FetgoD22[127], OujanaAYB22[308], BourreauGGLT22[75], HeinzNVH22[180], KovacsTKSG21[226], SacramentoSP20[339], BenediktMH20[50], GroleazNS20[165], MengZRZL20[277], Novas19[300], GeibingerMM19[146], ArbaouiY18[14], NishikawaSTT18[296], FahimiOQ18[124], RiahiNS018[335], MossigeGSMC17[284], BofillCSV17[60], SzerediS16[368], GingrasQ16[152], BonfiettiZLM16[70], NovaraNH16[299], SchuttS16[350], LombardiBM15[253]... (Total: 56)	PrataAN23[328], CzerniachowskaWZ23[95], MontemanniD23[283], EfthymiouY23[117], KimCMLLP23[213], SquillaciPR23[363], PohlAK22[321], SubulanC22[364], ArmstrongGOS22[16], Astrand0F21[22], HubnerGSV21[195], KlankeBYE21[214], VlkHT21[404], ArmstrongGOS21[15], LunardiBLRV20[264], NattafM20[294], AstrandJZ20[24], QinDCS20[331], abs-1901-07914[43], BogaerdtW19[388], FrohnerTR19[133], MalapertN19[269], MurinR19[288], ZhangW18[429], NishikawaSTT18a[297], KameugneFGOQ18[203], PourDERB18[324], Hooker17[192], Pralet17[326]... (Total: 88)
Benchmarks	bitbucket		TardivoDFMP23[371]	He0GLW18[172], CappartS17[83], CauwelaertDMS16[86], GayHLS15[139], cpaior-GayHS15[141], DejemeppeCS15[103], GayHS15[140], DejemeppeD14[104], HoundjiSWD14[194]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	generated instance	IsikYA23[197], abs-1911-04766[145]	abs-2312-13682[316], PerezGSL23[315], GodetLHS20[154], Madi-WambaB16[266], KelbelH11[209], SchausHMCMD11[343]	abs-2402-00459[295], abs-2305-19888[181], EfthymiouY23[117], BoudreaultSLQ22[74], HeinzNVH22[180], abs-2211-14492[365], TouatBT22[382], GeibingerMM21[147], HanenKP21[170], Abo-hashimaEG21[2], Astrand0F21[22], LunardiBLRV20[264], BenediktMH20[50], GeibingerMM19[146], MalapertN19[269], YangSS19[419], BenediktSMVH18[51], PourDERB18[324], Gold-waserS17[157], MossigeGSMC17[284], BonfiettiZLM16[70], NattafAL15[292], LetortCB15[242], DejemeppeCS15[103], HoundjiSWD14[194], BonfiettiLBM14[66], LimtanyakulS12[249], BonfiettiLBM11[64], KovacsV06[225]... (Total: 31)
Benchmarks	github	KoehlerBFFHPSSS21[216]	TardivoDFMP23[371], PovedaAA23[325], BoudreaultSLQ22[74], GodetLHS20[154], BenediktMH20[50], LunardiBLRV20[264]	abs-2402-00459[295], YuraszeckMC23[422], SquillaciPR23[363], JuvinHHL23[199], YuraszeckMCCR23[423], Bit-Monnot23[58], abs-2306-05747[373], NaderiRR23[291], TasselGS23[372], Ouel-letQ22[307], GeitzGSSW22[148], MullerMKP22[287], Kovac-sTKSG21[226], GeibingerMM21[147], VlkHT21[404], Abo-hashimaEG21[2], WangB20[407], ColT19[93], BehrensLM19[42], BadicaBIL19[26], abs-1901-07914[43], abs-1911-04766[145], MurinR19[288], BenediktSMVH18[51], ShinBBHO18[355], GoldwaserS17[157], LiuCGM17[251], YoungFS17[420], Bonfietti-ZLM16[70], SialaAH15[357]
Benchmarks	gitlab		HeinzNVH22[180]	abs-2305-19888[181], BoudreaultSLQ22[74], AntuoriHHEN21[13]
Benchmarks	industrial instance		BonfiettiZLM16[70], BonfiettiLBM14[66]	TasselGS23[372], EfthymiouY23[117], PovedaAA23[325], abs-2306-05747[373], OujanaAYB22[308], Mercier-AubinGQ20[278], NattafM20[294], GroleazNS20[165], MalapertN19[269], Bofill-GSV15[62], BofillEGPSV14[61], BonfiettiM12[69], Lom-bardiBMB11[254], BonfiettiLBM11[64]
Benchmarks	industrial partner	BoudreaultSLQ22[74]	LacknerMMWW23[235], ArmstrongGOS21[15]	WinterMMW22[413], VlkHT21[404], LacknerMMWW21[234], GroleazNS20a[164], Mercier-AubinGQ20[278], abs-1911-04766[145], GeibingerMM19[146], MossigeGSMC17[284], Lim-tanyakulS12[249], KovacsV06[225], KovacsV04[224]
Benchmarks	industry partner	BurtLPS15[80]		WinterMMW22[413], ArmstrongGOS21[15], abs-1902-09244[171]
Benchmarks	instance generator	LacknerMMWW23[235], LacknerMMWW21[234]		abs-2402-00459[295], ArmstrongGOS21[15], abs-1911-04766[145], GoldwaserS17[157], YoungFS17[420], BeniniLMR11[53], Ruggier-oBBMA09[338], LombardiM09[255], HeipckeCCS00[182]
Benchmarks	random instance	LacknerMMWW21[234], WallaceY20[406]	LacknerMMWW23[235], EfthymiouY23[117], WangB23[408], LetortCB15[242], KelbelH11[209]	Mehdizadeh-Somarin23[275], OuelletQ22[307], abs-2211-14492[365], MullerMKP22[287], VlkHT21[404], Klanke-BYE21[214], HanenKP21[170], LunardiBLRV20[264], BenediktMH20[50], BenediktSMVH18[51], FahimiOQ18[124], Hooker17[192], MossigeGSMC17[284], CappartS17[83], Madi-WambaB16[266], KameugneFSN14[206], DerrienP14[108], DerrienPZ14[109], LetortCB13[241], LimtanyakulS12[249], Bil-lautHL12[57], LetortBC12[240], BartakS11[36], Hooker06[191], Hooker05[189], ArtiouchineB05[20], Hooker04[188], BeldiceanuC02[44]
Benchmarks	real-life	GurPAE23[168], SubulanC22[364], WinterMMW22[413], HubnerGSV21[195], QinDCS20[331], WangMD15[409], Bartak02a[34], MartinPY01[273]	LacknerMMWW23[235], OujanaAYB22[308], Astrand0F21[22], LacknerMMWW21[234], KlankeBYE21[214], abs-1911-04766[145], PourDERB18[324], GaySS14[142], LimtanyakulS12[249], RuggieroBBMA09[338], Tsang03[385], SimonisC95[362], DincbasSH90[112]	PrataAN23[328], EfthymiouY23[117], PovedaAA23[325], IsikYA23[197], GeitzGSSW22[148], CampeauG22[82], Tep-pan22[375], BoudreaultSLQ22[74], GeibingerMM21[147], WallaceY20[406], GodetLHS20[154], SacramentoSP20[339], AstrandJZ20[24], GeibingerMM19[146], MurinR19[288], Laborie18a[232], BorghesiBLMB18[72], RiahiNS018[335], NishikawaSTT18a[297], GelainPRVW17[149], CappartS17[83], CauwelaertDMS16[86], BridiBLMB16[77], EvenSH15[122], EvenSH15a[123], GrimesIOS14[163], BessiereHMQW14[56], OzturkTHO13[309], IfrimOS12[196]... (Total: 53)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	real-world	abs-2305-19888[181], HeinzNVH22[180], KoehlerBFFHPSSS21[216], GeibingerMM21[147], abs-1911-04766[145], GeibingerMM19[146], abs-1902-09244[171], FrohnerTR19[133], MelgarejoLS15[7], EvenSH15[122], EvenSH15a[123], RendlPHPR12[334], MouraSCL08a[285]	PrataAN23[328], IsikYA23[197], abs-2306-05747[373], TasselGS23[372], AalianPG23[1], WangB23[408], YuraszeckMCCR23[423], OujanaAYB22[308], MullerMKP22[287], ArmstrongGOS21[15], WessenCS20[411], TangB20[369], WallaceY20[406], AstrandJZ20[24], ParkUJR19[313], FrimodigS19[132], RiahiNS018[335], HoYCLLCLC18[187], LaborieRSV18[233], PourDERB18[324], ShinBBHO18[355], HechingH16[174], BonfiettiZLM16[70], MurphyMB15[289], KelarevaTK13[208], OzturkTHO13[309], LombardiM12[259], BartakS11[36], LombardiM10a[256], LopesCSM10[261]	abs-2402-00459[295], KimCMLLP23[213], abs-2312-13682[316], PovedaAA23[325], JuvinHL23[200], Bit-Monnot23[58], Tardi-voDFMP23[371], CzerniachowskaWZ23[95], PerezGSL23[315], BourreauGGLT22[75], CampeauG22[82], AbreuN22[100], ArmstrongGOS22[16], SubulanC22[364], FetgoD22[127], PohlAK22[321], BoudreaultSLQ22[74], GeitzGSSW22[148], GeibingerKKMMW21[144], AbohashimaEG21[2], Kovac-sTKSG21[226], Astrand0F21[22], HillTV21[186], Sacramen-toSP20[339], abs-1901-07914[43], BehrensLM19[42], Tom19[380], ColT19[93], NishikawaSTT18[296]... (Total: 78)
Benchmarks	supplementary material		MontemanniD23[283]	JuvinHHL23[199], abs-2306-05747[373], TasselGS23[372], Winter-MMW22[413], BoudreaultSLQ22[74], KovacsTKSG21[226], Arm-strongGOS21[15], AntuoriHHEN21[13], LacknerMMWW21[234], MengZRZL20[277]
Benchmarks	zenodo	LacknerMMWW23[235], SacramentoSP20[339]		KimCMLLP23[213], WinterMMW22[413], ArmstrongGOS21[15]
Algorithms	bi-partite matching			Simonis07[361], Kumar03[230]
Algorithms	edge-finder	KameugneFND23[204], FetgoD22[127], GingrasQ16[152], KameugneFSN14[206], BaptisteP00[31]	OuelletQ13[305], KelbelH11[209], PapaB98[312]	BaptisteB18[28], BonfiettiZLM16[70], GuSS13[167], Schut-tFSW11[349], SchuttFSW09[348], ValleMGT03[386], SakkoutW00[342], BaptisteP97[30], Zhou97[432]
Algorithms	edge-finding	KameugneFND23[204], JuvinHHL23[199], TardivoDFMP23[371], OuelletQ22[307], FetgoD22[127], YangSS19[419], BaptisteB18[28], FahimiOQ18[124], KreterSS17[228], cpaior-GayHS15[141], Kameugne15[202], KameugneFSN14[206], OuelletQ13[305], cpaior-SchuttFS13[346], SchuttFSW11[349], KameugneFSN11[205], ClercqPBJ11[91], Vilim11[399], Vilim09[397], ArtiouchineB05[20], VilimBC05[401], Hooker05[189], VilimBC04[400], BaptisteP00[31], PapaB98[312], BaptisteP97[30], BeckDF97[39]	BoudreaultSLQ22[74], LaborieRSV18[233], Tesch18[377], GingrasQ16[152], CauwelaertDMS16[86], LetortCB15[242], LetortCB13[241], DejemeppeCS15[103], LombardiM12[259], LetortBC12[240], LiessM08[244], HoeveGSL07[390], MonetteDD07[280], Vilim04[395], Bartak02[35], SchildW00[344], Zhou97[432]	CampeauG22[82], WallaceY20[406], OuelletQ18[306], NattafAL17[293], Tesch16[376], SialaAH15[357], GayHLS15[139], DerrienP14[108], GuSS13[167], OzturkTHO13[309], HeinzSB13[179], LimtanyakulS12[249], BeldiceanuCDP11[45], KelbelH11[209], GrimesH11[161], KovacsB11[221], SchuttW10[351], GrimesH10[160], abs-0907-0939[318], GrimesHM09[162], cpaior-Vilim09[398], BeldiceanuCP08[46], KeriK07[210], ArtiguesBF04[18], Sadykov04[340], Ko-vacsV04[224], Wolf03[414], Vilim03[394], Muscettola02[290]... (Total: 35)
Algorithms	energetic reasoning	TardivoDFMP23[371], FetgoD22[127], OuelletQ22[307], HanenKP21[170], OuelletQ18[306], Tesch18[377], NattafAL17[293], Tesch16[376], NattafAL15[292], cpaior-GayHS15[141], DerrienP14[108], cpaior-SchuttFS13[346], LimtanyakulS12[249], HeinzS11[178], Vilim11[399]	KameugneFND23[204], KameugneFGOQ18[203], SchuttFS13[347]	IsikYA23[197], BoudreaultSLQ22[74], ArmstrongGOS21[15], YangSS19[419], Laborie18a[232], BofillCSV17[60], Gin-grasQ16[152], LetortCB15[242], KameugneFSN14[206], LetortCB13[241], OuelletQ13[305], LombardiM12[259], LahimerLH11[236], ClercqPBJ11[91], BeldiceanuCDP11[45], abs-0907-0939[318], cpaior-Vilim09[398], Vilim09[397], Lim-tanyakul07[248], WolfS05[415], BaptisteP00[31], PapaB98[312]
Algorithms	max-flow		LopesCSM10[261], MouraSCL08[286], Muscettola02[290]	FanXG21[126], Kumar03[230]
Algorithms	not-first	KameugneFND23[204], KameugneFGOQ18[203], FahimiOQ18[124], cpaior-GayHS15[141], SchuttFSW11[349], VilimBC05[401], ArtiouchineB05[20]	TardivoDFMP23[371], FetgoD22[127], OuelletQ18[306], Kameugne15[202], DejemeppeCS15[103], KameugneFSN14[206], OuelletQ13[305], SchuttW10[351], MonetteDD07[280], VilimBC04[400], Wolf03[414]	JuvinHHL23[199], OuelletQ22[307], BoudreaultSLQ22[74], Tesch16[376], CauwelaertDMS16[86], LimtanyakulS12[249], KameugneFSN11[205], Vilim09[397]
Algorithms	not-last	TardivoDFMP23[371], KameugneFND23[204], FahimiOQ18[124], KameugneFGOQ18[203], OuelletQ18[306], cpaior-GayHS15[141], SchuttW10[351], ArtiouchineB05[20], Vilim05[396], VilimBC05[401], Vilim04[395], Wolf03[414]	FetgoD22[127], Tesch18[377], Kameugne15[202], DejemeppeCS15[103], KameugneFSN14[206], cpaior-SchuttFS13[346], OuelletQ13[305], SchuttFSW11[349], Vilim11[399], KameugneFSN11[205], MonetteDD07[280], VilimBC04[400]	JuvinHHL23[199], BoudreaultSLQ22[74], GeitzGSSW22[148], OuelletQ22[307], GodetLHS20[154], YangSS19[419], Cauwe-laertDMS16[86], Tesch16[376], LimtanyakulS12[249], GrimesHM09[162], cpaior-Vilim09[398], MonetteDH09[281], Vilim09[397], WolfS05[415], Vilim03[394]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Algorithms	sweep	Tesch18[377], Tesch16[376], BonfiettiZLM16[70], SimoninAHL15[359], NattafAL15[292], LetortCB15[242], GayHS15[140], DerrienPZ14[109], LetortCB13[241], SimoninAHL12[358], LetortBC12[240], ClercqPBJ11[91], abs-0907-0939[318], BeldiceanuP07[47], Wolf03[414], BeldiceanuC02[44]	FahimiOQ18[124], cpaior-GayHS15[141], AronssonBK09[17], PoderB08[319], WolfS05[415]	KameugneFND23[204], TardivoDFMP23[371], GeitzGSSW22[148], FetgoD22[127], OuelletQ22[307], KameugneFGOQ18[203], Madi-WambaLOBM17[267], GingrasQ16[152], EvenSH15[122], EvenSH15a[123], DerrienP14[108], BonfiettiLBM14[66], GaySS14[142], OuelletQ13[305], BeldiceanuCDP11[45], Vilim11[399], LombardiM10a[256], BeldiceanuCP08[46], KovacsB08[220], Simonis07[361], VilimBC05[401], Vilim04[395]
Algorithms	time-tabling	TardivoDFMP23[371], OuelletQ22[307], DemirovicS18[106], FahimiOQ18[124], cpaior-GayHS15[141], OuelletQ13[305], HeinzS11[178], ElkhyariGJ02a[119], Wallace96[405]	WallaceY20[406], abs-1902-01193[9], Tesch18[377], OuelletQ18[306], GayHS15[140], BofillGSV15[62], Vilim11[399], Bartak02[35]	PrataAN23[328], KameugneFND23[204], LacknerMMWW23[235], TouatBT22[382], FetgoD22[127], GeibingerMM21[147], GodetLHS20[154], LiuLH19[250], abs-1911-04766[145], GeibingerMM19[146], KameugneFGOQ18[203], AstrandJZ18[23], BaptisteB18[28], YoungFS17[420], ZarandiKS16[424], Tesch16[376], LimBTBB15[247], WangMD15[409], VilimLS15[402], GayHLS15[139], BofillEGPSV14[61], BonfiettiLBM14[66], KameugneFSN14[206], SchuttFS13[347], HeinzSB13[179], GuSS13[167], BonfiettiLBM12[65], ZhangLS12[430], ClercqPBJ11[91]... (Total: 38)

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A Papers and Articles Missing a Local Copy

Table 11: Paper without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
FriedrichFMRSST14	FriedrichFMRSST14	Gerhard Friedrich and Melanie Frühstück and Vera Mersheeva and Anna Ryabokon and Maria Sander and Andreas Starzacher and Erich Teppan	Representing Production Scheduling with Constraint Answer Set Programming	2014	GOR 2014	[131]
VillaverdeP04	VillaverdeP04	Karen Villaverde and Enrico Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	2004	ISCA 2004	[403]
WolinskiKG04a	WolinskiKG04a	Christophe Wolinski and Krzysztof Kuchcinski and Maya B. Gokhale	A constraints programming approach to communication scheduling on SoPC architectures	2004	FPGA 2004	[417]
BoucherBVBL97	BoucherBVBL97	Eric Boucher and Astrid Bachelu and Christophe Varnier and Pierre Baptiste and Bruno Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Schedulingt Problem	1997	PACT 1997	[73]
PapeB97	PapeB97	Claude Le Pape and Philippe Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	1997	PACT 1997	[311]
JourdanFRD94	JourdanFRD94	Jean Jourdan and François Fages and Didier Rozzonelli and Alain Demeure	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming	1994	ILPS 1994	[198]
AggounB92	AggounB92	Abderrahmane Aggoun and Nicolas Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	1992	JFPL 1992	[5]

Table 12: Article without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
AbreuNP23	AbreuNP23	Levi Ribeiro de Abreu and Marcelo Seido Nagano and Bruno A. Prata	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	2023	Int. J. Prod. Res.	[101]
ShaikhK23	ShaikhK23	Aftab Ahmed Shaikh and Abdullah Ayub Khan	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	2023	Int. J. Electron. Secur. Digit. Forensics	[353]
ShiYXQ22	ShiYXQ22	Ganquan Shi and Zhouwang Yang and Yang Xu and Yuchen Quan	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach	2022	Int. J. Prod. Res.	[354]
YunusogluY22	YunusogluY22	Pinar Yunusoglu and Seyda Topaloglu Yildiz	Constraint programming approach for multi-resource-constrained unrelated parallel machine scheduling problem with sequence-dependent setup times	2022	Int. J. Prod. Res.	[421]
AlizdehS20	AlizdehS20	Samira Alizdeh and Shahram Saeidi	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming	2020	Int. J. Adv. Intell. Paradigms	[11]
BadicaBI20	BadicaBI20	Amelia Badica and Costin Badica and Mirjana Ivanovic	Block structured scheduling using constraint logic programming	2020	AI Commun.	[25]
MokhtarzadehTNF20	MokhtarzadehTNF20	Mahdi Mokhtarzadeh and Reza Tavakkoli-Moghaddam and Behdin Vahedi Nouri and Azadeh Farsi	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach	2020	Int. J. Comput. Integr. Manuf.	[279]
Polo-MejiaALB20	Polo-MejiaALB20	Oliver Polo-Mejía and Christian Artigues and Pierre Lopez and Virginie Basini	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility	2020	Int. J. Prod. Res.	[322]
NishikawaSTT19	NishikawaSTT19	Hiroki Nishikawa and Kana Shimada and Ittetsu Taniguchi and Hiroyuki Tomiyama	A Constraint Programming Approach to Scheduling of Malleable Tasks	2019	Int. J. Netw. Comput.	[298]
GokgurHO18	GokgurHO18	Burak Gökgür and Brahim Hnich and Selin Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	2018	Int. J. Prod. Res.	[156]
TangLWSK18	TangLWSK18	Yuanjie Tang and Rengkui Liu and Futian Wang and Quanxin Sun and Amr A. Kandil	Scheduling Optimization of Linear Schedule with Constraint Programming	2018	Comput. Aided Civ. Infrastructure Eng.	[370]

Table 12: Article without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
Bonfietti16	Bonfietti16	Alessio Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	2016	Intelligenza Artificiale	[63]
DoulabiRP16	DoulabiRP16	Seyed Hossein Hashemi Doulabi and Louis-Martin Rousseau and Gilles Pesant	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling	2016	INFORMS J. Comput.	[115]
BegB13	BegB13	Mirza Omer Beg and Peter van Beek	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures	2013	ACM Trans. Embed. Comput. Syst.	[41]
BeckFW11	BeckFW11	J. Christopher Beck and T. K. Feng and Jean-Paul Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	2011	INFORMS J. Comput.	[40]
BocewiczBB09	BocewiczBB09	Grzegorz Bocewicz and Irena Bach and Zbigniew Antoni Banaszak	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling	2009	Int. J. Intell. Inf. Database Syst.	[59]
MalikMB08	MalikMB08	Abid M. Malik and Jim McInnes and Peter van Beek	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming	2008	Int. J. Artif. Intell. Tools	[271]
SadykovW06	SadykovW06	Ruslan Sadykov and Laurence A. Wolsey	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates	2006	INFORMS J. Comput.	[341]
SureshMOK06	SureshMOK06	Suresh Sundaram and V. Mani and S. N. Omkar and H. J. Kim	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach	2006	Int. J. Parallel Emergent Distributed Syst.	[367]
LorigeonBB02	LorigeonBB02	Thomas Lorigeon and Jean-Charles Billaut and Jean-Louis Bouquard	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint	2002	J. Oper. Res. Soc.	[263]
Tay92	Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	1992	Comput. J.	[374]

B   Papers and Articles Without Recognized Concepts

			Table 13: Paper without Concepts			
Key	Local Copy	Authors	Title	Year	Conference /Journal	Cite
BaptisteLV92	Yes	Pierre Baptiste and Bruno Legeard and Christophe Varnier	Hoist scheduling problem: an approach based on constraint logic programming	1992	ICRA 1992	[32]

			Table 14: Article without Concepts			
Key	Local Copy	Authors	Title	Year	Conference /Journal	Cite
KorbaaYG00	Yes	Ouajdi Korbaa and Pascal Yim and Jean-Claude Gentina	Solving Transient Scheduling Problems with Constraint Programming	2000	Eur. J. Control	[218]
LopezAKYG00	Yes	Pierre Lopez and Hassane Alla and Ouajdi Korbaa and Pascal Yim and Jean-Claude Gentina	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina	2000	Eur. J. Control	[262]

C   Unmatched Concepts

Table 15: Unmatched Concepts

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