

# CP Papers on Scheduling

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## **1 Introduction**

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## 2 Conference Paper List

Table 2: PAPERS from bibtex (Total 284)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
AalianPG23 AalianPG23	Y. Aalian, G. Pesant, M. Gamache	Optimization of Short-Term Underground Mine Planning Using Constraint Programming	Yes	[1]	2023	CP 2023	16	285	558
Bit-Monnot23 Bit-Monnot23	A. Bit-Monnot	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	Yes	[63]	2023	ECAI 2023	8	320	559
EfthymiouY23 EfthymiouY23	N. Efthymiou, N. Yorke-Smith	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	Yes	[125]	2023	CPAIOR 2023	16	360	560
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[217]	2023	CP 2023	16	418	561
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[218]	2023	CPAIOR 2023	16	419	562
KameugneFND23 KameugneFND23	R. Kameugne, Séverine Betmbe Fetgo, T. Noulamo, Clémentin Tayou Djamégni	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	Yes	[222]	2023	CP 2023	17	422	563
KimCMLLP23 KimCMLLP23	D. Kim, Y. Choi, K. Moon, M. Lee, K. Lee, Michael L. Pinedo	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Yes	[231]	2023	CPAIOR 2023	16	427	564
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	[295]	2023	APMS 2023	14	466	565
PerezGSL23 PerezGSL23	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	Yes	[338]	2023	ICTAI 2023	7	488	566
PovedaAA23 PovedaAA23	G. Poveda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	Yes	[348]	2023	CP 2023	21	492	567
SquillaciPR23 SquillaciPR23	S. Squillaci, C. Pralet, S. Roussel	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Yes	[387]	2023	CPAIOR 2023	17	514	568
TardivoDFMP23 TardivoDFMP23	F. Tardivo, A. Dovier, A. Formisano, L. Michel, E. Pontelli	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	Yes	[396]	2023	CPAIOR 2023	18	518	569
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	[397]	2023	ICAPS 2023	9	519	570
WangB23 WangB23	R. Wang, N. Barnier	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	Yes	[433]	2023	ICTAI 2023	8	540	571
YuraszeckMC23 YuraszeckMC23	F. Yuraszeck, G. Mejía, D. Canut-de-Bon	A competitive constraint programming approach for the group shop scheduling problem	Yes	[448]	2023	ANT 2023	6	550	572
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	294	573
BoudreaultSLQ22 BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling	Yes	[80]	2022	CP 2022	16	332	574
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	[160]	2022	CPAIOR 2022	18	381	575
JungblutK22 JungblutK22	P. Jungblut, D. Kranzlmüller	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	Yes	[216]	2022	IPDPS 2022	4	417	576
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	[262]	2022	ICNSC 2022	6	447	577
LuoB22 LuoB22	Yiqing L. Luo, J. Christopher Beck	Packing by Scheduling: Using Constraint Programming to Solve a Complex 2D Cutting Stock Problem	Yes	[285]	2022	CPAIOR 2022	17	460	578
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[330]	2022	CPAIOR 2022	17	484	579
OujanaAYB22 OujanaAYB22	S. Oujana, L. Amodeo, F. Yalaoui, D. Brodard	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	Yes	[331]	2022	CoDIT 2022	6	485	580
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	[346]	2022	CP 2022	15	491	581

Table 2: PAPERS from bibtex (Total 284)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
SvancaraB22 SvancaraB22	J. Svancara, R. Barták	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling	No	[392]	2022	ICAART 2022	8	No	582
Teppan22 Teppan22	Erich Christian Teppan	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	Yes	[400]	2022	ICAART 2022	8	520	583
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	[407]	2022	ICAART 2022	8	525	584
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[438]	2022	CP 2022	18	543	585
ZhangJZL22 ZhangJZL22	H. Zhang, Y. Ji, Z. Zhao, S. Liu	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	Yes	[454]	2022	ICNSC 2022	6	551	586
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	291	587
ArmstrongGOS21 ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O’Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[15]	2021	CP 2021	18	293	588
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	298	589
BenderWS21 BenderWS21	T. Bender, D. Wittwer, T. Schmidt	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	Yes	[54]	2021	ICCL 2021	16	314	590
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[156]	2021	CPAIOR 2021	10	378	591
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[159]	2021	AAAI 2021	9	380	592
HanenKP21 HanenKP21	C. Hanen, Alix Munier Kordon, T. Pedersen	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Yes	[185]	2021	CPAIOR 2021	17	397	593
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	[202]	2021	CPAIOR 2021	19	407	594
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	[232]	2021	CPAIOR 2021	16	428	595
KovacsTKSG21 KovacsTKSG21	B. Kovács, P. Tassel, W. Kohlenbrein, P. Schrott-Kostwein, M. Gebser	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Yes	[244]	2021	CP 2021	17	433	596
LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[253]	2021	CP 2021	18	442	597
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	[42]	2020	Fog-IoT 2020	9	308	598
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	[167]	2020	AAAI 2020	8	386	599
GroleazNS20 GroleazNS20	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	Solving the Group Cumulative Scheduling Problem with CPO and ACO	Yes	[178]	2020	CP 2020	17	393	600
GroleazNS20a GroleazNS20a	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	Yes	[177]	2020	GECCO 2020	9	394	601
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[298]	2020	CPAIOR 2020	13	468	602
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[315]	2020	CP 2020	16	478	603
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[394]	2020	CPAIOR 2020	16	517	604
WangB20 WangB20	R. Wang, N. Barnier	Global Propagation of Transition Cost for Fixed Job Scheduling	Yes	[432]	2020	ECAI 2020	8	539	605

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
WessenCS20 WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Yes	[436]	2020	CPAIOR 2020	10	542	606
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	300	607
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	[47]	2019	ICRA 2019	7	310	608
BogaerdtW19 BogaerdtW19	Pim van den Bogaerdt, Mathijs de Weerd	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	Yes	[413]	2019	CPAIOR 2019	16	324	609
ColT19 ColT19	Giacomo Da Col, Erich Christian Teppan	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	Yes	[99]	2019	CP 2019	17	346	610
FrimodigS19 FrimodigS19	S. Frimodig, C. Schulte	Models for Radiation Therapy Patient Scheduling	Yes	[144]	2019	CP 2019	17	369	611
FrohnerTR19 FrohnerTR19	N. Frohner, S. Teuschl, Günther R. Raidl	Casual Employee Scheduling with Constraint Programming and Metaheuristics	Yes	[145]	2019	EUROCAST 2019	9	370	612
GalleguillosKSB19 GalleguillosKSB19	C. Galleguillos, Z. Kiziltan, A. Sirbu, Özalp Babaoglu	Constraint Programming-Based Job Dispatching for Modern HPC Applications	Yes	[147]	2019	CP 2019	18	372	613
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[158]	2019	CPAIOR 2019	16	379	614
KucukY19 KucukY19	M. Küçük, Seyda Topaloglu Yildiz	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem	Yes	[249]	2019	RAST 2019	5	438	615
LiuLH19 LiuLH19	K. Liu, S. Löffler, P. Hofstedt	Solving the Talent Scheduling Problem by Parallel Constraint Programming	Yes	[269]	2019	AIAI 2019	9	454	616
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[289]	2019	CPAIOR 2019	17	464	617
MurinR19 MurinR19	S. Murín, H. Rudová	Scheduling of Mobile Robots Using Constraint Programming	Yes	[309]	2019	CP 2019	16	475	618
ParkUJR19 ParkUJR19	H. Park, J. Um, J. Jung, M. Ruskowski	Developing a Production Scheduling System for Modular Factory Using Constraint Programming	Yes	[336]	2019	RAAD 2019	8	486	619
Tom19 Tom19	M. Tom	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling	Yes	[405]	2019	FUZZ-IEEE 2019	6	524	620
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[444]	2019	CPAIOR 2019	10	548	621
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	292	622
AstrandJZ18 AstrandJZ18	M. Åstrand, M. Johansson, A. Zanarini	Fleet Scheduling in Underground Mines Using Constraint Programming	Yes	[23]	2018	CPAIOR 2018	9	299	623
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[56]	2018	CPAIOR 2018	10	315	624
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[114]	2018	CPAIOR 2018	18	353	625
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	[188]	2018	CP 2018	18	398	626
HoYCLLC18 HoYCLLC18	T. Ho, J. Yao, Y. Chang, F. Lai, J. Lai, S. Chu, W. Liao, H. Chiu	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints	Yes	[203]	2018	AICCC 2018	6	408	627
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	[221]	2018	CPAIOR 2018	17	421	628
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[251]	2018	CPAIOR 2018	9	441	629
NishikawaSTT18 NishikawaSTT18	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Fork-Join Tasks with Constraint Programming	Yes	[317]	2018	CANDAR 2018	6	479	630

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NishikawaSTT18a	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Tasks Based on Constraint Programming	Yes	[318]	2018	TENCON 2018	6	480	631
NishikawaSTT18a OuelletQ18	Ouellet, C. Quimper	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning	Yes	[329]	2018	CPAIOR 2018	18	483	632
RiahiNS018	V. Riahi, M. A. Hakim Newton, K. Su, A. Sattar	Local Search for Flowshops with Setup Times and Blocking Constraints	Yes	[358]	2018	ICAPS 2018	9	499	633
Tesch18	A. Tesch	Improving Energetic Propagations for Cumulative Scheduling	Yes	[402]	2018	CP 2018	17	522	634
BofillCSV17	M. Bofill, J. Coll, J. Suy, M. Villaret	An Efficient SMT Approach to Solve MRCPPSP/max Instances with Tight Constraints on Resources	Yes	[66]	2017	CP 2017	9	321	635
BofillCSV17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[89]	2017	CPAIOR 2017	16	336	636
GelainPRVW17	M. Gelain, Maria Silvia Pini, F. Rossi, Kristen Brent Venable, T. Walsh	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems	Yes	[161]	2017	CPAIOR 2017	16	382	637
GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[170]	2017	CP 2017	16	387	638
Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[208]	2017	CP 2017	14	412	639
KletzanderM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[233]	2017	CPAIOR 2017	15	429	640
LiuCGM17	T. Liu, Roberto Di Cosmo, M. Gabbrielli, J. Mauro	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Yes	[270]	2017	CP 2017	17	452	641
Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Green Energy Aware Scheduling Problem in Virtualized Datacenters	Yes	[287]	2017	ICPADS 2017	8	462	642
MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling,	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[305]	2017	CP 2017	18	472	643
MossigeGSMC17 Pralet17	M. Carlsson C. Pralet	An Incomplete Constraint-Based System for Scheduling with Renewable Resources	Yes	[349]	2017	CP 2017	19	493	644
YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[446]	2017	CP 2017	10	549	645
BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[76]	2016	CP 2016	17	330	646
BonfiettiZLM16 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	[77]	2016	CP 2016	17	331	647
BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[84]	2016	ECAI 2016	2	333	648
CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[92]	2016	CP 2016	16	339	649
FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[140]	2016	CPAIOR 2016	11	366	650
GilesH16	K. Giles, Willem-Jan van Hoeve	Solving a Supply-Delivery Scheduling Problem with Constraint Programming	Yes	[163]	2016	CP 2016	16	384	651
GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[164]	2016	IJCAI 2016	7	385	652
HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[190]	2016	CPAIOR 2016	11	400	653
JelinekB16	J. Jelínek, R. Barták	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station	Yes	[214]	2016	PADL 2016	10	416	654
LimHTB16	B. Lim, Hassan L. Hijazi, S. Thiébaux, Menkes van den Briel	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control	Yes	[265]	2016	CP 2016	18	449	655
Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[286]	2016	CPAIOR 2016	16	461	656
SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[373]	2016	CP 2016	17	507	657
SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[393]	2016	CP 2016	10	516	658

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
Tesch16	Tesch16	A. Tesch	Yes	[401]	2016	CP 2016	27	521	659
BartakV15	BartakV15	R. Barták, M. Vlk	No	[40]	2015	ICAART 2015	12	No	660
BofillGSV15	BofillGSV15	M. Bofill, M. Garcia, J. Suy, M. Villaret	Yes	[68]	2015	CPAIOR 2015	9	323	661
BurtLPS15	BurtLPS15	Christina N. Burt, N. Lipovetzky, Adrian R. Pearce, Peter J. Stuckey	Yes	[86]	2015	CPAIOR 2015	17	335	662
DejemeppeCS15	DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	Yes	[111]	2015	CP 2015	16	351	663
EvenSH15	EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	Yes	[130]	2015	CP 2015	18	364	664
GayHLS15	GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Yes	[151]	2015	CP 2015	9	374	665
GayHS15	GayHS15	S. Gay, R. Hartert, P. Schaus	Yes	[152]	2015	CP 2015	9	375	666
GayHS15a	GayHS15a	S. Gay, R. Hartert, P. Schaus	Yes	[153]	2015	CPAIOR 2015	16	376	667
KreterSS15	KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Yes	[245]	2015	CP 2015	17	436	668
LimBTBB15	LimBTBB15	B. Lim, Menkes van den Briel, S. Thiébaux, R. Bent, S. Backhaus	Yes	[266]	2015	CPAIOR 2015	15	448	669
LombardiBM15	LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Yes	[272]	2015	CP 2015	16	455	670
MelgarejoLS15	MelgarejoLS15	P. Aguiar-Melgarejo, P. Laborie, C. Solnon	Yes	[7]	2015	CPAIOR 2015	17	467	671
MurphyMB15	MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Yes	[310]	2015	CP 2015	17	476	672
PesantRR15	PesantRR15	G. Pesant, G. Rix, L. Rousseau	Yes	[340]	2015	CPAIOR 2015	16	489	673
PraletLJ15	PraletLJ15	C. Pralet, S. Lemai-Chenevier, J. Jaubert	Yes	[350]	2015	CP 2015	16	494	674
SialaAH15	SialaAH15	M. Siala, C. Artigues, E. Hebrard	Yes	[380]	2015	CP 2015	10	510	675
VilimLS15	VilimLS15	P. Vilím, P. Laborie, P. Shaw	Yes	[427]	2015	CPAIOR 2015	17	538	676
ZhouGL15	ZhouGL15	J. Zhou, Y. Guo, G. Li	Yes	[460]	2015	FSKD 2015	5	554	677
AlesioNBG14	AlesioNBG14	Stefano Di Alesio, S. Nejati, Lionel C. Briand, A. Gotlieb	Yes	[118]	2014	CP 2014	18	289	678
BartoliniBBLM14	BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Yes	[41]	2014	CP 2014	16	307	679
BessiereHMqw14	BessiereHMqw14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Yes	[61]	2014	CPAIOR 2014	16	318	680
BofillEGPSV14	BofillEGPSV14	M. Bofill, J. Espasa, M. Garcia, M. Palahí, J. Suy, M. Villaret	Yes	[67]	2014	CP 2014	16	322	681
BonfiettiLM14	BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Yes	[74]	2014	CPAIOR 2014	16	328	682
DejemeppeD14	DejemeppeD14	C. Dejemeppe, Y. Deville	Yes	[112]	2014	CPAIOR 2014	9	352	683
DerrienP14	DerrienP14	A. Derrien, T. Petit	Yes	[116]	2014	CP 2014	9	354	684
DerrienPZ14	DerrienPZ14	A. Derrien, T. Petit, S. Zampelli	Yes	[117]	2014	CP 2014	9	355	685



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DoulabiRP14 DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[122]	2014	CPAIOR 2014	9	358	686
FriedrichFMRSS14 FriedrichFMRSS14	G. Friedrich, M. Frühstück, V. Mersheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	No	[143]	2014	GOR 2014	7	No	687
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[154]	2014	CP 2014	15	377	688
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[210]	2014	CP 2014	16	414	689
KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[237]	2014	CPAIOR 2014	16	431	690
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[73]	2013	ICAPS 2013	5	327	691
CireCH13 CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[96]	2013	CPAIOR 2013	7	343	692
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	[180]	2013	CPAIOR 2013	7	396	693
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[192]	2013	CPAIOR 2013	16	402	694
KelarevaTK13 KelarevaTK13	E. Kelareva, K. Tierney, P. Kilby	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	Yes	[226]	2013	CPAIOR 2013	17	424	695
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[260]	2013	CPAIOR 2013	16	446	696
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[279]	2013	ICAPS 2013	2	459	697
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[328]	2013	CP 2013	16	482	698
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[370]	2013	CP 2013	17	504	699
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[369]	2013	CPAIOR 2013	17	505	700
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[62]	2012	CPAIOR 2012	15	319	701
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[71]	2012	CPAIOR 2012	16	326	702
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[75]	2012	DC SIAAI 2012	3	329	703
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[191]	2012	CPAIOR 2012	17	401	704
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[212]	2012	CP 2012	16	415	705
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[259]	2012	CP 2012	16	445	706
RendlPHPR12 RendlPHPR12	A. Rendl, M. Prandtstetter, G. Hiermann, J. Puchinger, Günther R. Raidl	Hybrid Heuristics for Multimodal Homecare Scheduling	Yes	[357]	2012	CPAIOR 2012	17	498	707
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[368]	2012	CPAIOR 2012	17	503	708
SerraNM12 SerraNM12	T. Serra, G. Nishioka, Fernando J. M. Marcellino	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach	Yes	[375]	2012	CP 2012	17	509	709
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[381]	2012	CP 2012	15	511	710
ZhangLS12 ZhangLS12	X. Zhang, Z. Lv, X. Song	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method	Yes	[457]	2012	CIT 2012	4	552	711
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[70]	2011	CP 2011	15	325	712
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[94]	2011	CPAIOR 2011	6	341	713

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ClercqPBJ11 ClercqPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[97]	2011	CP 2011	16	344	714
EdisO11 EdisO11	Emrah B. Edis, C. Oguz	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach	Yes	[124]	2011	CPAIOR 2011	7	359	715
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[174]	2011	CP 2011	17	391	716
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[194]	2011	SEA 2011	10	403	717
HermenierDL11 HermenierDL11	F. Hermenier, S. Demasse, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[201]	2011	CP 2011	15	406	718
KameugneFSN11 KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[223]	2011	CP 2011	15	423	719
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	[255]	2011	CPAIOR 2011	14	443	720
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[273]	2011	CPAIOR 2011	17	456	721
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[424]	2011	CPAIOR 2011	16	536	722
ZibranR11 ZibranR11	Minhaz F. Zibran, Chanchal K. Roy	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach	Yes	[462]	2011	ICPC 2011	4	556	723
ZibranR11a ZibranR11a	Minhaz F. Zibran, Chanchal K. Roy	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring	Yes	[463]	2011	SCAM 2011	10	557	724
BertholdHLS10 BertholdHLS10	T. Berthold, S. Heinz, Marco E. Lübbecke, Rolf H. Möhring, J. Schulz	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling	Yes	[60]	2010	CPAIOR 2010	5	317	725
CobanH10 CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes	[98]	2010	CPAIOR 2010	5	345	726
Davenport10 Davenport10	Andrew J. Davenport	Integrated Maintenance Scheduling for Semiconductor Manufacturing	Yes	[105]	2010	CPAIOR 2010	5	349	727
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[173]	2010	CPAIOR 2010	15	390	728
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[276]	2010	CP 2010	15	458	729
MakMS10 MakMS10	K. Mak, J. Ma, W. Su	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems	Yes	[288]	2010	ICNC 2010	5	463	730
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[374]	2010	CP 2010	15	508	731
SunLYL10 SunLYL10	Z. Sun, H. Li, M. Yao, N. Li	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming	Yes	[390]	2010	GreenCom 2010	6	515	732
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	287	733
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	295	734
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[27]	2009	CP 2009	1	301	735
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[175]	2009	CP 2009	9	392	736
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[250]	2009	CPAIOR 2009	15	440	737
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[274]	2009	CP 2009	15	457	738

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MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[302]	2009	ICAPS 2009	8	471	739
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[371]	2009	CP 2009	16	506	740
ThiruvadyBME09 ThiruvadyBME09	Dhananjay R. Thiruvady, C. Blum, B. Meyer, Andreas T. Ernst	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling	Yes	[403]	2009	HM 2009	15	523	741
Vilim09 Vilim09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$	Yes	[422]	2009	CP 2009	15	534	742
Vilim09a Vilim09a	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[423]	2009	CPAIOR 2009	15	535	743
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	304	744
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[51]	2008	CPAIOR 2008	15	312	745
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[121]	2008	CPAIOR 2008	16	357	746
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[200]	2008	CPAIOR 2008	5	405	747
LauLN08 LauLN08	Hoong Chuin Lau, Kong Wei Lye, Viet Bang Nguyen	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)	Yes	[257]	2008	CPAIOR 2008	5	444	748
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	[307]	2008	CP 2008	16	473	749
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	[306]	2008	CSE 2008	8	474	750
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[342]	2008	ICAPS 2008	8	490	751
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[435]	2008	CPAIOR 2008	15	541	752
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	[412]	2007	CPAIOR 2007	15	288	753
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	Yes	[52]	2007	CPAIOR 2007	15	313	754
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	[106]	2007	CP 2007	13	350	755
GarganiR07 GarganiR07	A. Gargani, P. Refalo	An Efficient Model and Strategy for the Steel Mill Slab Design Problem	Yes	[148]	2007	CP 2007	13	373	756
HoeveGSL07 HoeveGSL07	Willem Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[415]	2007	AAAI 2007	6	409	757
KeriK07 KeriK07	A. Kéri, T. Kis	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method	Yes	[228]	2007	CPAIOR 2007	14	425	758
KrogtLPHJ07 KrogtLPHJ07	Roman van der Krogt, J. Little, K. Pulliam, S. Hanhilmami, Y. Jin	Scheduling for Cellular Manufacturing	Yes	[414]	2007	CP 2007	13	437	759
Limtanyakul07 Limtanyakul07	K. Limtanyakul	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming	Yes	[267]	2007	GOR 2007	6	451	760
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[301]	2007	CPAIOR 2007	14	470	761
RossiTHP07 RossiTHP07	R. Rossi, A. Tarim, B. Hnich, Steven D. Prestwich	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost	Yes	[360]	2007	CPAIOR 2007	15	501	762
BeniniBGM06 BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[57]	2006	CPAIOR 2006	15	316	763
GomesHS06 GomesHS06	Carla P. Gomes, Willem Jan van Hoeve, B. Selman	Constraint Programming for Distributed Planning and Scheduling	Yes	[172]	2006	AAAI 2006	2	389	764

Table 2: PAPERS from bibtex (Total 284)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
KhemmoudjPB06 KhemmoudjPB06	Mohand Ou Idir Khemmoudj, M. Porcheron, H. Bennaecur	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages	Yes	[230]	2006	CP 2006	13	426	765
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[243]	2006	CPAIOR 2006	13	435	766
LiuJ06 LiuJ06	Y. Liu, Y. Jiang	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming	Yes	[271]	2006	PRICAI 2006	5	453	767
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	[355]	2006	SoC 2006	4	496	768
AbrilSB05 AbrilSB05	M. Abril, Miguel A. Salido, F. Barber	Distributed Constraints for Large-Scale Scheduling Problems	Yes	[3]	2005	CP 2005	1	286	769
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	297	770
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[90]	2005	CP 2005	1	337	771
ChuX05 ChuX05	Y. Chu, Q. Xia	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems	Yes	[95]	2005	CPAIOR 2005	15	342	772
DilkinaDH05 DilkinaDH05	B. Dilkina, L. Duan, William S. Havens	Extending Systematic Local Search for Job Shop Scheduling Problems	Yes	[119]	2005	CP 2005	5	356	773
FortinZDF05 FortinZDF05	J. Fortin, P. Zielinski, D. Dubois, H. Fargier	Interval Analysis in Scheduling	Yes	[141]	2005	CP 2005	15	367	774
FrankK05 FrankK05	J. Frank, E. Kürklü	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations	Yes	[142]	2005	CPAIOR 2005	18	368	775
Geske05 Geske05	U. Geske	Railway Scheduling with Declarative Constraint Programming	Yes	[162]	2005	INAP 2005	18	383	776
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	No	[165]	2005	ICAPS 2005	9	No	777
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[189]	2005	CP 2005	1	399	778
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[206]	2005	CP 2005	14	411	779
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[240]	2005	CP 2005	1	432	780
MoffittPP05 MoffittPP05	Michael D. Moffitt, B. Peintner, Martha E. Pollack	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints	Yes	[299]	2005	AAAI 2005	6	469	781
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[356]	2005	ICRA 2005	6	497	782
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[421]	2005	CPAIOR 2005	14	533	783
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[440]	2005	INAP 2005	14	545	784
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[443]	2005	CP 2005	1	547	785
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	296	786
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[199]	2004	CPAIOR 2004	16	404	787
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[204]	2004	CP 2004	12	410	788
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[242]	2004	CP 2004	15	434	789
LimRX04 LimRX04	A. Lim, B. Rodrigues, Z. Xu	Solving the Crane Scheduling Problem Using Intelligent Search Schemes	Yes	[264]	2004	CP 2004	5	450	790
MaraveliasG04 MaraveliasG04	Christos T. Maravelias, Ignacio E. Grossmann	Using MILP and CP for the Scheduling of Batch Chemical Processes	Yes	[292]	2004	CPAIOR 2004	20	465	791

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
Sadykov04 Sadykov04	R. Sadykov	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem	Yes	[363]	2004	CPAIOR 2004	7	502	792
Vilim04 Vilim04	P. Vilím	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint	Yes	[420]	2004	CPAIOR 2004	13	532	793
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[425]	2004	CP 2004	15	537	794
VillaverdeP04 VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	No	[428]	2004	ISCA 2004	6	No	795
WolinskiKG04 WolinskiKG04	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures	Yes	[441]	2004	DSD 2004	8	546	796
WolinskiKG04a WolinskiKG04a	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A constraints programming approach to communication scheduling on SoPC architectures	No	[442]	2004	FPGA 2004	1	No	797
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	[103]	2003	CP 2003	5	348	798
Kumar03 Kumar03	T. K. Satish Kumar	Incremental Computation of Resource-Envelopes in Producer-Consumer Models	Yes	[248]	2003	CP 2003	15	439	799
OddiPCC03 OddiPCC03	A. Oddi, N. Policella, A. Cesta, G. Cortellessa	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem	Yes	[327]	2003	CP 2003	15	481	800
ValleMGTO3 ValleMGTO3	Carmelo Del Valle, Antonio A. Márquez, Rafael M. Gasca, M. Toro	On Selecting and Scheduling Assembly Plans Using Constraint Programming	Yes	[411]	2003	KES 2003	8	527	801
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[419]	2003	CP 2003	1	531	802
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[439]	2003	CP 2003	15	544	803
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[35]	2002	CP 2002	16	305	804
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[34]	2002	ERCIM/CologNet 2002	15	306	805
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[49]	2002	CP 2002	17	311	806
ElkhyariGJ02 ElkhyariGJ02	A. Elkhyari, C. Guéret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems	Yes	[126]	2002	CP 2002	6	361	807
ElkhyariGJ02a ElkhyariGJ02a	A. Elkhyari, C. Guéret, N. Jussien	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools	Yes	[127]	2002	PATAT 2002	24	362	808
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[209]	2002	CP 2002	5	413	809
KamarainenS02 KamarainenS02	O. Kamarainen, Hani El Sakkout	Local Probing Applied to Scheduling	Yes	[219]	2002	CP 2002	17	420	810
Muscettola02 Muscettola02	N. Muscettola	Computing the Envelope for Stepwise-Constant Resource Allocations	Yes	[311]	2002	CP 2002	16	477	811
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[418]	2002	CP 2002	1	530	812
ZhuS02 ZhuS02	Kenny Qili Zhu, Andrew E. Santosa	A Meeting Scheduling System Based on Open Constraint Programming	Yes	[461]	2002	CAiSE 2002	5	555	813
VanczaM01 VanczaM01	J. Váncza, A. Márkus	A Constraint Engine for Manufacturing Process Planning	Yes	[416]	2001	CP 2001	15	528	814
VerfaillieL01 VerfaillieL01	G. Verfaillie, M. Lemaître	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View	Yes	[417]	2001	CP 2001	15	529	815
AngelsmarkJ00 AngelsmarkJ00	O. Angelsmark, P. Jonsson	Some Observations on Durations, Scheduling and Allen's Algebra	Yes	[12]	2000	CP 2000	5	290	816
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[139]	2000	AIPS 2000	10	365	817
KorbaaYG99 KorbaaYG99	O. Korbaa, P. Yim, J. Gentina	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming	Yes	[235]	1999	ECC 1999	8	430	818
CestaOS98 CestaOS98	A. Cesta, A. Oddi, Stephen F. Smith	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints	Yes	[93]	1998	CP 1998	1	340	819

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
FrostD98 FrostD98	D. Frost, R. Dechter	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units	Yes	[146]	1998	CP 1998	1	371	820
GruianK98 GruianK98	F. Gruian, K. Kuchcinski	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming	Yes	[179]	1998	EUROMICRO 1998	8	395	821
PembertonG98 PembertonG98	Joseph C. Pemberton, Flavius Galiber III	A constraint-based approach to satellite scheduling	Yes	[337]	1998	DIMACS 1998	14	487	822
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[359]	1998	CP 1998	15	500	823
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	303	824
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research	Yes	[43]	1997	CP 1997	15	309	825
BoucherBVBL97 BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem	No	[79]	1997	PACT 1997	18	No	826
Caseau97 Caseau97	Y. Caseau	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel	Yes	[91]	1997	CP 1997	4	338	827
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[334]	1997	PACT 1997	20	No	828
BrusoniCLMMT96 BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[85]	1996	ISMIS 1996	10	334	829
Colombani96 Colombani96	Y. Colombani	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem	Yes	[101]	1996	CP 1996	15	347	830
Zhou96 Zhou96	J. Zhou	A Constraint Program for Solving the Job-Shop Problem	Yes	[458]	1996	CP 1996	15	553	831
Goltz95 Goltz95	H. Goltz	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling	Yes	[171]	1995	CP 1995	14	388	832
Puget95 Puget95	J. Puget	Applications of Constraint Programming	Yes	[352]	1995	CP 1995	4	495	833
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[383]	1995	CP 1995	4	512	834
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[385]	1995	CP 1995	14	513	835
Touraivane95 Touraivane95	Touraivane	Constraint Programming and Industrial Applications	Yes	[408]	1995	CP 1995	3	526	836
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	[215]	1994	ILPS 1994	1	No	837
NuijtenA94 NuijtenA94	W. P. M. Nuijten, Emile H. L. Aarts	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling	No	[325]	1994	ECAI 1994	5	No	838
AggounB92 AggounB92	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	No	[5]	1992	JFPL 1992	1	No	839
BaptisteLV92 BaptisteLV92	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming	Yes	[32]	1992	ICRA 1992	6	302	840
ErtlK91 ErtlK91	M. Anton Ertl, A. Krall	Optimal Instruction Scheduling using Constraint Logic Programming	Yes	[128]	1991	PLILP 1991	12	363	841

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
AalianPG23 [1]	16	scheduling, preempt, activity, flow-shop, order, transportation, machine, make-span, resource		cycle, alwaysIn, cumulative, noOverlap, endBeforeStart		CPO, Cplex	steel cable	mining industry	real-world		1	558
AbrilSB05 [3]	1	distributed, scheduling, multi-agent, order					railway				212	769
Acuna-AgostMFG09 [4]	2	re-scheduling, order, scheduling, transportation					railway		Roadef		176	733
AkkerDH07 [412]	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					196	753
AlesioNBG14 [118]	18	preempt, job-shop, distributed, scheduling, completion-time, make-span, resource, open-shop, order, job, activity, task		alldifferent		OPL, Cplex	automotive		benchmark		121	678
AngelsmarkJ00 [12]	5	resource, job, order, scheduling, task, job-shop									259	816
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		30	587
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		65	622
ArmstrongGOS21 [15]	18	machine, transportation, flow-shop, job-shop, scheduling, job, make-span, order, completion-time, sequence dependent setup, preempt, resource, setup-time, precedence, task, cmax	HFF	alternative constraint, cycle, table constraint, circuit, diffn, bin-packing, cumulative	Java, Prolog	OZ, MiniZinc, CPO, Chuffed, Gecode, SICStus, Cplex, CHIP	robot	packaging industry	instance generator, industry partner, zenodo, supplementary material, real-world, industrial partner, benchmark	energetic reasoning	31	588
ArmstrongGOS22 [16]	13	machine, transportation, flow-shop, scheduling, job, re-scheduling, make-span, order, completion-time, resource, task, cmax	HFF, parallel machine	noOverlap, cumulative	Prolog	OZ, OPL, SICStus			real-world, benchmark		16	573
AronssonBK09 [17]	13	job-shop, transportation, order, job, task		cumulative	Prolog	Cplex, CHIP	railway		real-world, real-life	sweep	177	734
ArtiguesBF04 [18]	13	job, batch process, cmax, make-span, release-date, resource, precedence, completion-time, sequence dependent setup, job-shop, setup-time, preempt, scheduling, order, machine		disjunctive	C++	Ilog Scheduler, Ilog Solver			benchmark	edge-finding	229	786

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
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	not-last, edge-finding, not-first	213	770
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		32	589
AstrandJZ18 [23]	9	resource, task, machine, make-span, order, activity, scheduling	single machine	disjunctive, cumulative, cycle		Gecode	hoist, robot	potash industry		time-tabling	66	623
BadicaBIL19 [26]	11	completion-time, resource, order, activity, machine, multi-agent, distributed, make-span, scheduling		cycle		ECLiPSe, Gecode			github		50	607
Baptiste09 [27]	1	scheduling									178	735
BaptisteLV92 [32]	6										283	840
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	edge-finding, edge-finder	267	824
BarlattCG08 [33]	5	scheduling, resource, setup-time, job, task, machine, flow-shop, job-shop, transportation					automotive, pipeline		real-world		187	744
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	edge-finding, time-tabling	247	804
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	time-tabling, edge-finding	248	805
BartoliniBBLM14 [41]	16	resource, tardiness, task, job, activity, make-span, machine, scheduling		alternative constraint, cumulative			super-computer				122	679
BarzegaranZP20 [42]	9	re-scheduling, resource, distributed, machine, task, scheduling, order			Java	OR-Tools	automotive, robot				41	598
BeckDF97 [43]	15	precedence, release-date, due-date, re-scheduling, make-span, order, scheduling, resource, inventory, machine, job, job-shop, task, activity	single machine	cycle, cumulative			robot		benchmark, real-world	edge-finding	268	825
BehrensLM19 [47]	7	order, setup-time, resource, task, machine, distributed, multi-agent, scheduling, make-span			Python	OR-Tools, MiniZinc, OZ	robot		real-world, github		51	608



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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BeldiceanuC02 [49]	17	order, producer/consumer, scheduling, machine, task, resource, activity	single machine	cumulative	Prolog	SICStus, CHIP, OZ	crew-scheduling		real-life, random instance, benchmark	sweep	249	806
BeldiceanuCP08 [51]	15	resource, task, scheduling, order		geost, cumulative, disjunctive	Prolog	SICStus, CHIP, OPL	rectangle-packing, perfect-square		benchmark	edge-finding, sweep	188	745
BeldiceanuP07 [52]	15	preempt, scheduling, release-date, task, resource, order, due-date		cumulative, disjunctive						sweep	197	754
BenderWS21 [54]	16	preempt, activity, task, order, machine, make-span, job, distributed, resource, setup-time, scheduling	RCPSP	noOverlap	Python		agriculture				33	590
BenediktSMVH18 [56]	10	job-shop, scheduling, order, job, preempt, resource, machine	single machine, parallel machine	noOverlap		OZ, Gurobi	energy-price		github, random instance, generated instance		67	624
BeniniBGM06 [57]	15	activity, task, distributed, tardiness, precedence, scheduling, make-span, resource, order, setup-time		cycle, cumulative		ECLiPSe, Cplex, Ilog Solver, OZ	automotive, pipeline		real-life		206	763
BertholdHLMS10 [60]	5	precedence, scheduling, order, completion-time, job, resource, preempt	psplib, RCPSP	disjunctive, cumulative		Cplex, Z3					168	725
BessiereHMQW14 [61]	16	scheduling, order, job, resource, setup-time, task, machine		alldifferent, cycle		Choco Solver	satellite	textile industry	benchmark, real-life		123	680
BillautHL12 [62]	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		144	701
Bit-Monnot23 [63]	8	precedence, scheduling, machine, distributed, order, job, make-span, open-shop, task, lazy clause generation, job-shop, resource, activity	Open Shop Scheduling Problem, OSP	cycle, cumulative, disjunctive		OR-Tools, MiniZinc, CPO, Mistral			real-world, github, benchmark		2	559
BofillCSV17 [66]	9	machine, preempt, cmax, lazy clause generation, precedence, scheduling, make-span, resource, order, activity	RCPSP, psplib	cumulative		Z3			benchmark	energetic reasoning	78	635
BofillEGPSV14 [67]	16	order, scheduling, lazy clause generation, machine, task				Cplex, Gecode, MiniZinc, Cplex			industrial instance	time-tabling	124	681
BofillGSV15 [68]	9	machine, scheduling, order				Cplex			industrial instance	time-tabling	104	661
BogaerdtW19 [413]	16	scheduling, completion-time, order, setup-time, job, machine, job-shop, tardiness, precedence	single machine, parallel machine	noOverlap	C	OPL, Cplex	railway		benchmark		52	609

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BonfiettiLBM11 [70]	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		155	712
BonfiettiLBM12 [71]	16	scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, job-shop	RCPSP	cumulative, cycle		Ilog Solver	hoist, robot		benchmark	time-tabling	145	702
BonfiettiLM13 [73]	5	make-span, job-shop, precedence, resource, activity, job, order, scheduling	RCPSP	cumulative, cycle		Cplex					134	691
BonfiettiLM14 [74]	16	make-span, machine, task, job-shop, precedence, open-shop, resource, activity, job, distributed, order, scheduling	RCPSP, psplib	cumulative					real-world, benchmark		125	682
BonfiettiM12 [75]	3	job, task, precedence, job-shop, resource, activity, scheduling, machine	RCPSP	cumulative			hoist		industrial instance		146	703
BonfiettiZLM16 [76]	17	resource, make-span, activity, precedence, scheduling, order	RCPSP	cumulative, cycle, disjunctive		OR-Tools	automotive	automotive industry, control system industry	generated instance, github, industrial instance, benchmark, real-world	edge-finder, sweep	89	646
BoothNB16 [77]	17	distributed, resource, scheduling, task, machine, precedence, order, activity, re-scheduling		disjunctive, cumulative, noOverlap	C++	Cplex	robot, medical		real-world		90	647
BoudreaultSLQ22 [80]	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, github, real-life, industrial partner, github, real-world	not-last, energetic reasoning, edge-finding, not-first	17	574
BridiLBBM16 [84]	2	resource, task, machine, distributed, make-span, order, job, activity, scheduling									91	648
BrusoniCLMMT96 [85]	10	resource, activity, precedence, task, distributed, due-date, job-shop, scheduling, order, job		disjunctive	Prolog		railway				272	829
BurtLPS15 [86]	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		105	662
CappartS17 [89]	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		79	636
CarchraeBF05 [90]	1	scheduling, order, task, make-span									214	771

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Caseau97 [91]	4	preempt, make-span, order, scheduling, job, resource, job-shop, task		cumulative			robot		benchmark	edge-finding	270	827
CauwelaertDMS16 [92]	16	batch process, task, job, job-shop, order, activity, make-span, machine, scheduling, completion-time, setup-time, resource, sequence dependent setup, preempt, precedence		cumulative, disjunctive	Java		container terminal		real-life, bitbucket, benchmark	not-last, edge-finding, not-first	92	649
CestaOS98 [93]	1	resource, scheduling, job					robot				262	819
ChapadosJR11 [94]	6	activity, scheduling, order, task		cycle, cumulative		OPL		retail industry		time-tabling	156	713
ChuX05 [95]	15	scheduling, machine, resource, job, release-date, order, due-date, completion-time	single machine	disjunctive, cumulative		ECLiPSe					215	772
CireCH13 [96]	7	make-span, tardiness, scheduling, machine, job, resource, precedence, task, order		circuit, cumulative		OPL, Cplex, OZ					135	692
ClercPB11 [97]	16	resource, order, activity, due-date, release-date, distributed, precedence, scheduling, completion-time		alldifferent, cumulative	Java	CHIP, Choco Solver			benchmark	time-tabling, sweep, energetic reasoning, edge-finding	157	714
CobanH10 [98]	5	distributed, tardiness, job, preempt, re-scheduling, make-span, order, scheduling		circuit, disjunctive		OPL, Cplex					169	726
ColT19 [99]	17	earliness, order, scheduling, precedence, make-span, machine, resource, job, job-shop	JSSP	noOverlap, disjunctive	Java	MiniZinc, CPO, OR-Tools			github, benchmark, real-world		53	610
Colombani96 [101]	15	job, scheduling, resource, order, task, preempt, activity, due-date, machine, precedence, release-date, job-shop		disjunctive		CHIP					273	830
DannaP03 [103]	5	machine, job, job-shop, activity, earliness, order, tardiness, scheduling, resource		disjunctive		Cplex, Ilog Solver, Ilog Scheduler			benchmark		241	798
Davenport10 [105]	5	resource, release-date, tardiness, scheduling, completion-time, order, earliness, due-date				Cplex	semiconductor				170	727
DavenportKRSH07 [106]	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			198	755
DejemeppeCS15 [111]	16	completion-time, tardiness, job-shop, scheduling, sequence dependent setup, make-span, machine, release-date, task, precedence, setup-time, job, resource, order, preempt, activity	single machine	disjunctive, cumulative, cycle			container terminal		real-world, bitbucket, generated instance, benchmark	not-last, not-first, edge-finding	106	663

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
DejemeppeD14 [112]	9	make-span, precedence, job-shop, resource, activity, setup-time, scheduling, order, job		cumulative			medical, patient		bitbucket		126	683
DemirovicS18 [114]	18	scheduling, order, task, resource, activity, precedence		cumulative, dis-junctive		MiniZinc, Gurobi, OZ			real-world, benchmark	time-tabling	68	625
DerrienP14 [116]	9	resource, scheduling, activity, order, make-span	psplib, CuSP	cumulative	Java	Choco Solver			random instance	sweep, edge-finding, energetic reasoning	127	684
DerrienPZ14 [117]	9	re-scheduling, make-span, scheduling, resource, order, job, activity, machine, precedence	RCPSP, CuSP	cumulative		Choco Solver, CHIP			benchmark, random instance, real-world	sweep	128	685
DilkinaDH05 [119]	5	machine, precedence, job-shop, make-span, job, scheduling, order				OPL					216	773
DoomsH08 [121]	16	scheduling, resource, completion-time, machine, job, job-shop, activity, task, order	RCPSP					services industry			189	746
DoulabiRP14 [122]	9	activity, scheduling, due-date, resource, task, order		bin-packing		Cplex	nurse, medical, patient				129	686
EdisO11 [124]	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					158	715
EfthymiouY23 [125]	16	order, job, make-span, re-scheduling, task, job-shop, scheduling, machine, setup-time	CHSP, JSSP	cumulative, dis-junctive, cycle	Python	OPL, OR-Tools	pipeline, hoist, electrolating, satellite		benchmark, random instance, generated instance, real-life, industrial instance		3	560
ElkhyariGJ02 [126]	6	resource, activity, precedence, scheduling, machine, due-date, preempt, make-span, re-scheduling, task	RCPSP	cumulative, dis-junctive, table constraint							250	807
ElkhyariGJ02a [127]	24	activity, re-scheduling, order, due-date, scheduling, task, precedence, open-shop, resource	RCPSP, psplib	cumulative, dis-junctive		OZ, OPL			benchmark, real-life	time-tabling	251	808
ErtlK91 [128]	12	setup-time, resource, scheduling, order, machine, task		cycle	Prolog		pipeline		real-world, benchmark		284	841
EvenSH15 [130]	18	preempt, transportation, order, scheduling, machine, distributed, resource, completion-time, task		disjunctive, cumulative		OPL, Choco Solver			real-life, real-world	sweep	107	664
FocacciLN00 [139]	10	due-date, task, machine, preempt, job-shop, distributed, cmax, precedence, scheduling, make-span, sequence dependent setup, resource, open-shop, order, setup-time, job, activity		disjunctive					real-world	edge-finding	260	817
FontaineMH16 [140]	11	order, machine, job, task, completion-time, make-span, job-shop, resource, precedence, scheduling	parallel machine	disjunctive		MiniZinc, Gurobi, CHIP			benchmark		93	650

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
FortinZDF05 [141]	15	resource, order, task, activity, temporal constraint reasoning, precedence, make-span, scheduling	psplib								217	774
FrankK05 [142]	18	order, scheduling, job, resource, due-date, task, precedence		cycle			satellite, aircraft		benchmark		218	775
FrimodigS19 [144]	17	resource, order, task, machine, job-shop, job, scheduling		regular pression, cumulative, bin-packing	ex- Python	Gecode, Cplex, MiniZinc, OZ	radiation therapy, medical, pa- tient, nurse, physician		benchmark, real-world		54	611
FrohnerTR19 [145]	9	scheduling, order, distributed			Java, Python	MiniZinc, Gecode, Gurobi	nurse		benchmark, real-world		55	612
FrostD98 [146]	1	order, scheduling						power industry			263	820
GalleguillosKSB19 [147]	18	re-scheduling, machine, distributed, resource, order, activity, job, scheduling, make-span	JSSP	cumulative, alternative constraint	Python	OR-Tools, OZ	super- computer, datacenter				56	613
GarganiR07 [148]	13	order, machine, resource, inventory		bin-packing	C++	OPL	steel mill	steel indus- try	real-life, CSPlib		199	756
GayHLS15 [151]	9	precedence, task, order, make-span, resource, scheduling, activity	OSP, psplib, RCPSP	cumulative, dis- junctive					benchmark, bit- bucket	edge- finding, time-tabling	108	665
GayHS15 [152]	9	scheduling, precedence, resource, preempt, task, order		cumulative, table constraint, disjunctive		Choco Solver, OR-Tools, Gecode			bitbucket	time- tabling, sweep	109	666
GayHS15a [153]	16	manpower, task, order, preempt, resource, scheduling, machine	psplib, RCPSP	cumulative, dis- junctive	Java				benchmark, bitbucket, real- world	time- tabling, not-first, not-last, energetic reason- ing, edge- finding, sweep	110	667
GaySS14 [154]	15	machine, job, completion-time, activity, order, setup-time, make-span, scheduling, precedence, manpower, continuous-process, resource, job-shop		cycle, cumula- tive, disjunctive			steel mill		real-life, CSPlib		131	688
GeibingerKKMMW21 [156]	10	distributed, scheduling				MiniZinc, OR-Tools, Gurobi, Cplex, Gecode	nurse, physician, COVID, medical, patient	pharmaceutic industry	real-world		34	591
GeibingerMM19 [158]	16	precedence, release-date, resource, activity, re-scheduling, job, order, due-date, completion-time, scheduling, make-span, task	RCPSP	alternative con- straint, noOver- lap, cumulative, endBeforeStart	Java	CPO, Cplex, Gecode, MiniZinc	automotive		real-life, gener- ated instance, industrial part- ner, real-world, benchmark	time-tabling	57	614

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GeibingerMM21 [159]	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	time-tabling	35	592
GeitzGSSW22 [160]	18	make-span, order, setup-time, job, scheduling, completion-time, sequence dependent setup, resource, task, machine, preempt, producer/consumer, lateness, lazy clause generation, precedence, job-shop, batch process, transportation	single machine, RCPSP, JSSP	cumulative		OZ, OPL	robot		real-life, github, real-world	not-last, sweep	18	575
GelainPRVW17 [161]	16	resource, scheduling, order							CSPLib, real-life, benchmark		80	637
Geske05 [162]	18	machine, task, re-scheduling, job, activity, order, distributed, resource, scheduling, lateness, job-shop		cumulative	Prolog	CHIP, SIC-Stus	railway		real-life		219	776
GilesH16 [163]	16	inventory, setup-time, activity, task, transportation, order, scheduling, resource		cumulative, disjunctive		Cplex	pipeline	petro-chemical industry, chemical processing industry, chemical industry			94	651
GingrasQ16 [164]	7	resource, scheduling, task, order, make-span, completion-time, precedence	psplib, CuSP, RCPSP	disjunctive, cumulative		Choco Solver			benchmark	sweep, edge-finder, edge-finding, energetic reasoning	95	652
GodetLHS20 [167]	8	lazy clause generation, setup-time, release-date, scheduling, task, order, machine, make-span, cmax, completion-time, resource, job	parallel machine, PMSP, single machine	alldifferent, bin-packing, cumulative, disjunctive		OZ, Choco Solver, CHIP, Chuffed	satellite		github, real-life, benchmark, generated instance	not-last, time-tabling	42	599
GoldwaserS17 [170]	16	scheduling, machine, transportation, due-date, order, lazy clause generation, resource		cumulative, disjunctive	Python	Gurobi, Gecode	torpedo	steel industry	instance generator, github, generated instance		81	638
Goltz95 [171]	14	due-date, machine, task, job, completion-time, order, resource, scheduling, precedence, job-shop		cumulative, disjunctive	Prolog	CHIP			benchmark	edge-finding	275	832
GomesHS06 [172]	2	scheduling, distributed, task, multi-agent, order				Ilog Solver			real-life		207	764
GrimesH10 [173]	15	cmax, machine, job, setup-time, job-shop, flow-shop, sequence dependent setup, open-shop, task, batch process, resource, scheduling, make-span, precedence, order	Open Shop Scheduling Problem	disjunctive, cumulative, cycle		OZ		steel industry	benchmark	time-tabling, edge-finding	171	728

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GrimesH11 [174]	17	cmax, completion-time, machine, tardiness, job, release-date, earliness, lazy clause generation, job-shop, flow-shop, open-shop, task, due-date, resource, scheduling, make-span, precedence, order	RCPSP	disjunctive, cumulative		Cplex, Ilog Scheduler, Ilog Solver, OZ, OPL			benchmark	edge-finding	159	716
GrimesHM09 [175]	9	make-span, resource, job, precedence, open-shop, scheduling, task, order, job-shop, machine	Open Shop Scheduling Problem, OSP	disjunctive	Java	Choco Solver, Ilog Scheduler, Mistral			benchmark	not-last, edge-finding	179	736
GroleazNS20 [178]	17	tardiness, precedence, release-date, job-shop, setup-time, job, scheduling, resource, order, machine, inventory, preempt, due-date	GCSP	noOverlap, cycle, cumulative, circuit		CPO, OR-Tools		food industry	benchmark, industrial instance		43	600
GroleazNS20a [177]	9	scheduling, machine, inventory, transportation, due-date, distributed, order, tardiness, job, release-date, precedence, resource, setup-time, preempt	parallel machine, RCPSP	cycle, noOverlap, cumulative		Cplex, CPO		food industry	industrial partner, benchmark		44	601
GruianK98 [179]	8	task, resource, scheduling, order, activity, re-scheduling		cumulative, cycle, diffn, circuit		OPL, CHIP	pipeline, aircraft		benchmark		264	821
GuSS13 [180]	7	lazy clause generation, activity, order, distributed, scheduling, precedence, make-span, machine, resource	single machine	cumulative					benchmark	edge-finding, edge-finder, time-tabling	136	693
HanenKP21 [185]	17	job-shop, resource, scheduling, make-span, completion-time, task, machine, precedence, order, cmax, tardiness, job, lateness, preempt, release-date, due-date	RCPSP, CuSP, parallel machine	cumulative	Python	Claire	pipeline		Roadef, generated instance, random instance	energetic reasoning	36	593
He0GLW18 [188]	18	distributed, machine, precedence, re-scheduling, transportation, multi-agent, order, scheduling			Python	Gurobi	real-time pricing, energy-price		real-world, bit-bucket		69	626
HebrardTW05 [189]	1	order, job, machine, job-shop, scheduling									221	778
HechingH16 [190]	11	re-scheduling, job, task, order, scheduling, manpower		circuit, noOverlap		OPL, Cplex, OZ	patient, medical		real-world		96	653
HeinzB12 [191]	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					147	704
HeinzKB13 [192]	16	release-date, job-shop, resource, scheduling, order, machine, tardiness, job	single machine	cumulative		OPL, Cplex					137	694
HeinzS11 [194]	10	preempt, order, scheduling, resource, completion-time, machine, job	psplib, RCPSP	disjunctive, cumulative		Cplex			benchmark	energetic reasoning, time-tabling	160	717

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HentenryckM04 [199]	16	open-shop, resource, order, activity, job, due-date, completion-time, tardiness, scheduling, make-span, machine, task, job-shop, precedence		disjunctive, cycle, cumulative					benchmark		230	787
HentenryckM08 [200]	5	order		bin-packing			steel mill		CSPLib		190	747
HermenierDL11 [201]	15	precedence, distributed, resource, order, scheduling, completion-time, producer/consumer, machine, task		bin-packing, disjunctive, alldifferent, cumulative, cycle, table constraint		OZ, Choco Solver	datacenter				161	718
HillTV21 [202]	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		37	594
HoYLLCLC18 [203]	6	resource, task, machine, distributed, re-scheduling, order, job, scheduling			C		nurse, medical, patient		real-world		70	627
HoeveGSL07 [415]	6	re-scheduling, job, precedence, distributed, resource, task, job-shop, multi-agent, scheduling, machine, order		disjunctive		Ilog Scheduler, Cplex			benchmark	edge-finding	200	757
Hooker04 [204]	12	machine, task, precedence, release-date, make-span, order, tardiness, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		231	788
Hooker05a [206]	14	release-date, due-date, resource, scheduling, make-span, task, precedence, order, machine, tardiness, job		circuit, cumulative, disjunctive		OPL, Cplex, Ilog Scheduler					222	779
Hooker17 [208]	14	job, due-date, order, tardiness, scheduling, resource		circuit		OZ			benchmark, random instance		82	639
HookerY02 [209]	5	resource, scheduling, order, machine, job	RCPSP	disjunctive, cumulative							252	809
HoundjiSWD14 [210]	16	precedence, resource, scheduling, machine, inventory, transportation, due-date, order	single machine	circuit					bitbucket, generated instance		132	689
IfrimOS12 [212]	16	task, order, machine, job, re-scheduling, distributed, due-date, resource, scheduling		disjunctive			datacenter, energy-price		real-life		148	705
JelinekB16 [214]	10	scheduling, task, order, completion-time		table constraint, cumulative	Prolog	OZ, SICS-tus, OPL			real-life		97	654
JungblutK22 [216]	4	distributed, machine, make-span, scheduling, resource, order, task, preempt		circuit		MiniZinc			benchmark, github, real-world		19	576
JuvinHHL23 [217]	16	cmax, resource, job, setup-time, scheduling, task, order, job-shop, due-date, machine, preempt, make-span, flow-shop, completion-time, precedence	JSSP, parallel machine	endBeforeStart, disjunctive, alldifferent, cumulative, noOverlap	C++	CPO, Mistral			supplementary material, github, benchmark	not-last, edge-finding, not-first	4	561



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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
JuvinHL23 [218]	16	make-span, completion-time, task, precedence, order, cmax, machine, tardiness, job, setup-time, job-shop, flow-shop, scheduling		noOverlap, end-BeforeStart		Cplex, CPO			real-world		5	562
KamarainenS02 [219]	17	machine, job-shop, resource, precedence, transportation, earliness, activity, job, order, preempt, scheduling	KRFP			ECLiPSe			real-world, benchmark		253	810
KameugneFGOQ18 [221]	17	resource, task, cmax, precedence, make-span, scheduling, order, completion-time	RCSPSP, CuSP	cumulative, disjunctive	Java	CHIP, Choco Solver			benchmark, real-world	time-tabling, not-first, sweep, not-last, energetic reasoning	71	628
KameugneFND23 [222]	17	machine, resource, precedence, cmax, order, preempt, scheduling, make-span, completion-time, task, lazy clause generation	psplib, CuSP, RCSPSP	disjunctive, cumulative	Java	CHIP, Choco Solver			benchmark	sweep, energetic reasoning, edge-finding, not-last, not-first, edge-finder, time-tabling	6	563
KameugneFSN11 [223]	15	job-shop, release-date, resource, precedence, job, order, preempt, scheduling, make-span, completion-time, task	RCSPSP, psplib, CuSP	disjunctive, cumulative		Gecode			benchmark	edge-finding, not-last, not-first, time-tabling	162	719
KelarevaTK13 [226]	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		138	695
KeriK07 [228]	14	due-date, tardiness, temporal constraint reasoning, job, activity, order, earliness, make-span, scheduling, precedence, cmax, resource, job-shop	RCSPSP	cycle	C++					edge-finding	201	758
KhemmoudjPB06 [230]	13	resource, stock level, distributed, order, scheduling		cycle, cumulative	C++	CHIP			real-world		208	765

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KimCMLLP23 [231]	16	make-span, job, precedence, open-shop, distributed, tardiness, setup-time, earliness, job-shop, due-date, scheduling, order, transportation, machine	parallel machine, SCC	noOverlap	Python	Gurobi, OR-Tools		steel industry	real-world, benchmark, zenodo		7	564
KlankeBYE21 [232]	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		38	595
KletzanderM17 [233]	15	scheduling, machine, resource, transportation, order	parallel machine			OZ	torpedo	steel industry			83	640
KorbaaYG99 [235]	8	job, resource, task, job-shop, scheduling, machine, flow-shop, order, transportation, make-span		cycle, circuit	Prolog	CHIP, Ilog Solver, OZ	robot, hoist				261	818
KoschB14 [237]	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		133	690
KovacsEKV05 [240]	1	scheduling, resource, setup-time, job, job-shop, precedence							real-life		223	780
KovacsTKSG21 [244]	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		39	596
KovacsV04 [242]	15	job, job-shop, resource, scheduling, make-span, task, machine, precedence, order	single machine	disjunctive, cumulative		Ilog Scheduler			industrial partner, benchmark, real-life	edge-finding	232	789
KovacsV06 [243]	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		209	766
KreterSS15 [245]	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		111	668
KrogtLPHJ07 [414]	13	resource, order, job, inventory, activity, due-date, machine, job-shop, precedence, scheduling		circuit	Prolog	OPL	semiconductor aircraft		real-world		202	759
KucukY19 [249]	5	order, scheduling, distributed, resource, setup-time, sequence dependent setup, task		disjunctive, cycle, noOverlap		Cplex	satellite, earth observation		benchmark, generated instance	time-tabling	58	615
Kumar03 [248]	15	activity, order, scheduling, producer/consumer, resource		cycle						bi-partite matching, max-flow	242	799

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Laborie09 [250]	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		180	737
Laborie18a [251]	9	resource, job, release-date, scheduling, task, due-date, machine, precedence		cumulative, alternative constraint		Ilog Scheduler, CPO, OPL			real-life, benchmark, real-world	energetic reasoning	72	629
LacknerMMWW21 [253]	18	release-date, flow-shop, batch process, setup-time, job, order, due-date, tardiness, scheduling, make-span, machine, task, lateness, earliness	parallel machine, OSP, single machine	noOverlap, cumulative, end-BeforeStart		Chuffed, Cplex, OPL, CPO, OZ, OR-Tools, MiniZinc, Gurobi	semiconductor oven scheduling	electronics industry, steel industry, manufacturing industry	random instance, industrial partner, benchmark, instance generator, real-life, supplementary material		40	597
LahimerLH11 [255]	14	resource, task, machine, preempt, cmax, precedence, make-span, order, job, scheduling, completion-time	parallel machine, RCPSP	disjunctive	C++	Ilog Scheduler			benchmark	energetic reasoning	163	720
LauLN08 [257]	5	order, distributed, inventory, resource, scheduling, flow-shop, transportation, job-shop, machine, job							benchmark, real-world		191	748
LetortBC12 [259]	16	order, machine, make-span, precedence, resource, scheduling, task	psplib	cumulative, geost, bin-packing	Java, Prolog	Choco Solver, CHIP, SICStus	datacenter		Roadef, benchmark, random instance	sweep, edge-finding	149	706
LetortCB13 [260]	16	machine, make-span, precedence, resource, scheduling, task, order	psplib, RCPSP	cumulative, disjunctive, bin-packing	Java, Prolog	Choco Solver, SICStus			Roadef, benchmark, random instance	energetic reasoning, sweep, edge-finding	139	696
LiFJZLL22 [262]	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		20	577
LimBTBB15 [266]	15	job-shop, scheduling, multi-agent, order, machine, tardiness, job, re-scheduling, earliness				OPL	HVAC		benchmark	time-tabling	112	669
LimHTB16 [265]	18	machine, activity, re-scheduling, multi-agent, order, scheduling, distributed		cumulative		OPL	real-time pricing, HVAC, energy-price		real-world		98	655
LimRX04 [264]	5	scheduling, preempt, machine, job, completion-time, order, transportation				OZ	container terminal		generated instance		233	790

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Limtanyakul07 [267]	6	make-span, task, machine, release-date, resource, precedence, job, order, scheduling, due-date		cumulative		OPL	robot		real-life	energetic reasoning	203	760
LiuCGM17 [270]	17	transportation, order, cmax, scheduling, machine, task, activity			Python	OR-Tools, OPL, MiniZinc		tourism industry	github		84	641
LiuJ06 [271]	5	make-span, task, order, scheduling, resource		cycle, disjunctive							210	767
LiuLH19 [269]	9	order, resource, scheduling				Choco Solver, OZ			CSPlib, benchmark	time-tabling	59	616
LombardiBM15 [272]	16	completion-time, job-shop, resource, activity, precedence, scheduling, machine, distributed, order, job, make-span, task	JSSP, RCPSP, psplib						benchmark, real-world		113	670
LombardiBMB11 [273]	17	resource, order, activity, completion-time, scheduling, make-span, machine, task, precedence	RCPSP	cycle, cumulative	C++		hoist		benchmark, industrial instance, real-life		164	721
LombardiM09 [274]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task, preempt	RCPSP			Ilog Solver			real-world, instance generator		181	738
LombardiM10 [276]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task	RCPSP	disjunctive, cumulative		Ilog Solver			real-world, benchmark		172	729
LombardiM13 [279]	2	precedence, make-span, order, activity, scheduling, resource, task	RCPSP, psplib								140	697
LuoB22 [285]	17	order, scheduling, resource, re-scheduling, machine, batch process, job, job-shop		diffn, bin-packing, alwaysIn, cumulative	Python	CHIP, Cplex	super-computer, railway, rectangle-packing		generated instance, github, real-life, real-world, industry partner, industrial instance		21	578
Madi-WambaB16 [286]	16	precedence, job, order, scheduling, task, resource		cumulative	Java	Choco Solver, CHIP			real-world, benchmark, random instance, generated instance		99	656
Madi-WambaLOBM17 [287]	8	machine, task, activity, re-scheduling, job, precedence, distributed, scheduling, order, resource		bin-packing, cumulative	Prolog	SICStus	datacenter		real-world	sweep	85	642
MakMS10 [288]	5	scheduling, due-date, order, machine, inventory, task, job, activity, transportation, precedence, resource		cycle							173	730
MalapertN19 [289]	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		60	617
MaraveliasG04 [292]	20					OZ					234	791

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Mehdizadeh-Somarin23 [295]	14	multi-agent, job-shop, completion-time, re-scheduling, tardiness, machine, scheduling, cmax, flow-shop, job, task, setup-time, precedence, order, make-span, preempt	parallel machine, JSSP, single machine		Python	Cplex, OZ	robot, COVID		random instance		8	565
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		114	671
Mercier-AubinGQ20 [298]	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		45	602
MoffittPP05 [299]	6	scheduling, resource, order, activity, machine, cmax, make-span	Temporal Constraint Satisfaction Problem	cycle, disjunctive							224	781
MonetteDD07 [301]	14	precedence, job-shop, make-span, job, scheduling, completion-time, resource, open-shop, order, preempt, no preempt, task, machine	Open Shop Scheduling Problem, OSP	disjunctive		Gecode			benchmark	not-last, not-first, edge-finding	204	761
MonetteDH09 [302]	8	precedence, release-date, job-shop, tardiness, make-span, job, scheduling, completion-time, resource, order, preempt, activity, earliness, distributed, due-date, task, machine		cycle, disjunctive, cumulative					benchmark	not-last	182	739
MossigeGSMC17 [305]	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		86	643
MouraSCL08 [307]	16	scheduling, preempt, activity, order, transportation, inventory, precedence, distributed, resource		table constraint, disjunctive, cycle	C++	Ilog Solver, OZ, Ilog Scheduler	pipeline			max-flow	192	749
MouraSCL08a [306]	8	transportation, re-scheduling, order, scheduling, due-date, resource, inventory, distributed		disjunctive, cumulative	C++	Ilog Solver, Ilog Scheduler	pipeline		real-world, benchmark		193	750
MurinR19 [309]	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		61	618
MurphyMB15 [310]	17	scheduling, task, order, machine, activity, re-scheduling, resource		cycle, circuit, cumulative, disjunctive	Java	Choco Solver			real-world		115	672

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Muscettola02 [311]	16	job-shop, resource, activity, precedence, scheduling, order, job, cmax		cycle						edge-finding, max-flow	254	811
NattafM20 [315]	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		46	603
NishikawaSTT18 [317]	6	make-span, order, resource, activity, task, distributed, precedence, scheduling		alternative constraint, endBeforeStart		Cplex, OZ	pipeline, robot		real-world, benchmark		73	630
NishikawaSTT18a [318]	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		74	631
OddiPCC03 [327]	15	preempt, distributed, resource, scheduling, precedence, order, completion-time, task, machine, activity	single machine	cycle	Java		satellite, earth observation		benchmark		243	800
OuelletQ13 [328]	16	scheduling, task, order, preempt, make-span, completion-time, precedence, resource	CuSP, RCPSP, psplib	cumulative, disjunctive		Choco Solver			benchmark	edge-finding, not-first, edge-finder, energetic reasoning, not-last, time-tabling, sweep	141	698
OuelletQ18 [329]	18	scheduling, task, order, make-span, completion-time, precedence, resource	RCPSP, psplib	cumulative, disjunctive	Java	OZ, Choco Solver			benchmark, Roadeff	edge-finding, not-first, energetic reasoning, not-last, time-tabling	75	632
OuelletQ22 [330]	17	scheduling, task, order, preempt, activity, completion-time, resource, lazy clause generation		cumulative, disjunctive	Java	MiniZinc, Choco Solver	nurse		github, benchmark, random instance	edge-finding, not-first, energetic reasoning, not-last, time-tabling, sweep	22	579
OujanaAYB22 [331]	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		23	580

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ParkUJR19 [336]	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		62	619
PembertonG98 [337]	14	job-shop, resource, activity, preempt, scheduling, machine, order, job, task		geost, cycle		Ilog Solver, OPL	satellite, robot				265	822
PerezGSL23 [338]	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		9	566
PesantRR15 [340]	16	activity, transportation, lazy clause generation, scheduling, order		cumulative, table constraint		Gurobi, Gecode, Ilog Solver					116	673
PoderB08 [342]	8	resource, producer/consumer, release-date, task, activity, preempt, due-date, order, scheduling		cumulative		CHIP			sweep		194	751
PopovicCGNC22 [346]	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			24	581
PovedaAA23 [348]	21	make-span, resource, job, precedence, lazy clause generation, release-date, task, job-shop, scheduling, preempt, activity, order	RCPSP	cumulative, disjunctive	Python	Chuffed, Cplex, MiniZinc, CPO	automotive, aircraft		real-world, github, benchmark, industrial instance, real-life		10	567
Pralet17 [349]	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		87	644
PraletLJ15 [350]	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				117	674
Puget95 [352]	4	resource, job-shop, task, job, activity, order, scheduling, transportation, manpower		disjunctive		OPL			benchmark		276	833
QuSN06 [355]	4	task, scheduling, distributed, resource, precedence		circuit	Prolog	SICStus					211	768
QuirogaZH05 [356]	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				225	782
RendIPHPR12 [357]	17	re-scheduling, job, scheduling, order, machine, transportation			Java	OZ	medical, patient, nurse		real-world, CSPLib, benchmark		150	707

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
RiahiNS018 [358]	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		76	633
RodosekW98 [359]	15	task, order, transportation, machine, activity, make-span, job, resource, scheduling		circuit, disjunctive, cycle	Prolog	OPL, CHIP, ECLiPSe, Cplex	hoist, electroplating		benchmark		266	823
RossiTHP07 [360]	15	resource, inventory, scheduling, distributed, stock level, order		cumulative, cycle		OPL, Choco Solver					205	762
Sadykov04 [363]	7	release-date, due-date, preempt, scheduling, completion-time, task, precedence, machine, job, lateness	parallel machine, single machine	disjunctive						edge-finding	235	792
SchuttCSW12 [368]	17	scheduling, resource, order, preempt, activity, lazy clause generation, precedence, make-span		cumulative		CHIP			benchmark		151	708
SchuttFS13 [370]	17	resource, job, lazy clause generation, scheduling, task, order, job-shop, machine, activity, make-span, completion-time, precedence	RCPSP, FJS	disjunctive, span constraint, alternative constraint, cumulative		MiniZinc			benchmark	time-tabling, energetic reasoning	142	699
SchuttFS13a [369]	17	make-span, scheduling, completion-time, resource, order, task, machine, preempt, activity, lazy clause generation, precedence	RCPSP, psplib	disjunctive, cumulative, circuit		CHIP, OZ			benchmark	not-last, edge-finding, energetic reasoning	143	700
SchuttFSW09 [371]	16	scheduling, resource, open-shop, order, task, machine, preempt, activity, lazy clause generation, precedence, make-span, job	psplib	disjunctive, cumulative		ECLiPSe, CHIP, SICStus, OZ			benchmark, real-world	edge-finder	183	740
SchuttS16 [373]	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		100	657
SchuttW10 [374]	15	task, order, lazy clause generation, activity, preempt, release-date, due-date, resource, scheduling, make-span	psplib, CuSP, RCPSP	disjunctive, cumulative	Java	CHIP	rectangle-packing		benchmark	edge-finding, not-last, not-first	174	731
SerraNM12 [375]	17	preempt, resource, scheduling, precedence, order, machine, activity, release-date, inventory		alwaysIn, cumulative, cycle		OPL, Cplex			benchmark, real-world		152	709
SialaAH15 [380]	10	make-span, open-shop, task, machine, precedence, order, cmax, tardiness, job, setup-time, earliness, lazy clause generation, job-shop, resource, scheduling	RCPSP, JSSP	disjunctive, cumulative		Mistral			github, benchmark	edge-finding	118	675
SimoninAHL12 [381]	15	resource, activity, precedence, preempt, scheduling, order, task		disjunctive, span constraint, cumulative, cycle		CHIP	satellite			sweep	153	710



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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Simonis95 [383]	4	transportation, resource, scheduling, task, machine, producer/consumer, precedence, order		cumulative, cycle, diffn, circuit	Prolog	CHIP	aircraft	food industry			277	834
SimonisC95 [385]	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		278	835
SquillaciPR23 [387]	17	resource, activity, multi-agent, distributed, order, scheduling, task	OSP, Earth Observation Scheduling Problem, EOSP	noOverlap	Python	Cplex	earth orbit, earth observation, satellite		github, benchmark		11	568
SunLYL10 [390]	6	task, order, scheduling, distributed		cycle		Cplex, OPL	automotive				175	732
SzerediS16 [393]	10	task, order, machine, preempt, activity, make-span, resource, precedence, lazy clause generation, scheduling	RCPSP, psplib	cumulative		Cplex, MiniZinc, Chuffed, Gecode			benchmark		101	658
TangB20 [394]	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		47	604
TardivoDFMP23 [396]	18	activity, order, preempt, scheduling, make-span, lazy clause generation, task, resource, precedence	RCPSP, psplib, CuSP	disjunctive, cumulative	C++	CHIP, Gecode, MiniZinc			bitbucket, github, benchmark, real-world	energetic reasoning, not-last, not-first, edge-finding, time-tabling, sweep	12	569
TasselGS23 [397]	9	scheduling, preempt, flow-time, flow-shop, task, order, completion-time, machine, make-span, re-scheduling, job, precedence, tardiness, resource, job-shop	JSSP	cumulative, noOverlap, disjunctive	Java	Choco Solver			industrial instance, real-world, supplementary material, github, benchmark		13	570
Teppan22 [400]	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		26	583
Tesch16 [401]	27	scheduling, order, job, completion-time, precedence, resource, make-span	CuSP, psplib, RCPSP	cumulative, disjunctive	C++	OPL			Roadef	sweep, edge-finding, energetic reasoning, not-last, time-tabling, not-first	102	659

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Tesch18 [402]	17	scheduling, preempt, due-date, order, machine, task, job, completion-time, precedence, lateness, release-date, resource, make-span	CuSP, psplib, single machine, RCPSP	cumulative					Roadef	sweep, edge-finding, energetic reasoning, not-last, time-tabling	77	634
ThiruvadyBME09 [403]	15	tardiness, open-shop, machine, due-date, job, make-span, scheduling, order, resource, setup-time	single machine	cumulative	C++	Gecode					184	741
Tom19 [405]	6	job-shop, job, re-scheduling, task, tardiness, activity, resource, make-span, scheduling, machine, transportation	single machine		Java	OZ, OPL			real-world		63	620
TouatBT22 [407]	8	tardiness, job, activity, preempt, release-date, no preempt, earliness, distributed, due-date, job-shop, flow-shop, resource, scheduling, make-span, completion-time, task, machine, precedence, order	RCPSP, single machine	noOverlap		OZ, OPL, Cplex	robot, container terminal, satellite		benchmark, generated instance	time-tabling	27	584
Touraivane95 [408]	3	scheduling, order, task			Prolog		crew-scheduling robot		real-life		279	836
ValleMGT03 [411]	8	machine, order, transportation, make-span, resource, job, precedence, task, job-shop, scheduling				Ilog Solver			real-life	edge-finder	244	801
VanczaM01 [416]	15	resource, scheduling, precedence, task, machine, order		disjunctive, cycle		OZ	robot		real-life, real-world		257	814
VerfaillieL01 [417]	15	job, open-shop, order, scheduling, task, job-shop	Open Shop Scheduling Problem	cycle		Cplex, OPL	earth observation, satellite				258	815
Vilim02 [418]	1	scheduling, precedence, sequence dependent setup, batch process, activity, setup-time, resource		cumulative, disjunctive						edge-finding	255	812
Vilim03 [419]	1	scheduling, job, open-shop, order, job-shop		cumulative, disjunctive						not-last, edge-finding	245	802
Vilim04 [420]	13	scheduling, precedence, sequence dependent setup, batch process, machine, task, job, completion-time, activity, order, setup-time, resource, job-shop		cumulative, disjunctive					benchmark	sweep, not-last, edge-finding	236	793
Vilim05 [421]	14	scheduling, precedence, preempt, machine, task, job, open-shop, completion-time, activity, order, resource, make-span, job-shop		cumulative, disjunctive	C++				benchmark	not-last	226	783
Vilim09 [422]	15	scheduling, precedence, preempt, job, completion-time, activity, order, resource, job-shop		cumulative, cycle		CPO				energetic reasoning, not-last, edge-finding, not-first	185	742

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Vilim09a [423]	15	order, scheduling, resource, completion-time, task, activity, preempt		cycle, cumulative		Ilog Scheduler				edge-finding, not-last, energetic reasoning	186	743
Vilim11 [424]	16	scheduling, precedence, preempt, machine, task, completion-time, activity, order, manpower, resource	psplib, RCPSP	cumulative, disjunctive, cycle					benchmark	sweep, energetic reasoning, not-last, time-tabling, edge-finding	165	722
VilimBC04 [425]	15	distributed, job-shop, resource, scheduling, make-span, open-shop, completion-time, machine, precedence, order, job, activity		disjunctive, cumulative					benchmark, real-life	not-first, edge-finding, not-last	237	794
VilimLS15 [427]	17	machine, precedence, order, cmax, job, activity, earliness, job-shop, resource, scheduling, make-span, completion-time, task	psplib, RCPSP	noOverlap, disjunctive, cumulative		Cplex, CPO, OZ	rectangle-packing		benchmark	time-tabling	119	676
WangB20 [432]	8	job, order, machine, task, distributed, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		OZ, Gurobi	aircraft		github		48	605
WangB23 [433]	8	job, lazy clause generation, order, task, transportation, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		Gurobi	crew-scheduling, aircraft		real-world, random instance		14	571
WatsonB08 [435]	15	job-shop, resource, scheduling, make-span, completion-time, machine, order, cmax, job		disjunctive	C++	Ilog Scheduler			benchmark, real-world		195	752
WessenCS20 [436]	10	make-span, completion-time, precedence, job, scheduling, task, order, job-shop, multi-agent		circuit		Gecode, OZ	robot		real-world		49	606
WinterMMW22 [438]	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		28	585
Wolf03 [439]	15	completion-time, resource, job, make-span, machine, activity, job-shop, task, order, preempt, scheduling		cumulative, disjunctive	Java		pipeline		benchmark	not-last, not-first, edge-finding, sweep	246	803
WolfS05 [440]	14	preempt, activity, order, task, completion-time, scheduling, distributed, resource		cumulative		CHIP			real-world	energetic reasoning, not-last, sweep	227	784
WolinskiKG04 [441]	8	resource, precedence, scheduling, machine, order, distributed	SCC	cycle	Java		pipeline				239	796
WuBB05 [443]	1	scheduling, resource, job, make-span, release-date				Ilog Scheduler			benchmark		228	785

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
YangSS19 [444]	10	resource, completion-time, machine, task, activity, preempt, order, scheduling, lazy clause generation		cumulative, disjunctive	Prolog	Choco Solver, Gecode, CHIP, SIC-Stus, OPL, OR-Tools	rectangle-packing		generated instance	not-last, energetic reasoning, edge-finding	64	621
YoungFS17 [446]	10	lazy clause generation, resource, scheduling, make-span, task, machine, precedence, order, activity, preempt	RCPSP, pspplib	disjunctive, cumulative		Chuffed, MiniZinc			benchmark, github, instance generator	time-tabling	88	645
YuraszeckMC23 [448]	6	cmax, job, open-shop, distributed, order, preempt, scheduling, due-date, job-shop, flow-time, make-span, machine, release-date, precedence	OSSP, JSSP	noOverlap					github, benchmark		15	572
ZhangJZL22 [454]	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		29	586
ZhangLS12 [457]	4	scheduling, order, cmax								time-tabling	154	711
Zhou96 [458]	15	release-date, job-shop, due-date, task, order, scheduling, precedence, completion-time, job, machine		disjunctive	Prolog	Z3				edge-finding	274	831
ZhouGL15 [460]	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		120	677
ZhuS02 [461]	5	activity, scheduling, distributed, resource									256	813
ZibranR11 [462]	4	scheduling, order, activity			Java	OPL, Cplex					166	723
ZibranR11a [463]	10	scheduling, distributed, order, activity, resource				Cplex, OPL				time-tabling	167	724

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
AalianPG23 AalianPG23 [1]	Optimization of Short-Term Underground Mine Planning Using Constraint Programming	CP Opt	real-world	1	n		n			?	1	285
Bit-Monnot23 Bit-Monnot23 [63]	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	ARIES CP Opt OR-Tools Mistral OR-Tools	real-world, github, bench- mark	1	y		y	-	JSSP OSSP	-	2	320
EfthymiouY23 EfthymiouY23 [125]	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems		benchmark, random instance, generated instance, real-life, industrial instance	3	n		n	-	CHSP	-	3	360
JuvinHHL23 JuvinHHL23 [217]	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	CP Opt Mistral	supplementary material, github, bench- mark	6	ref		y		PJSSP	endBeforeStart span noOverlap	4	418
JuvinHL23 JuvinHL23 [218]	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	CP Opt Cplex	real-world	0	ref		n	-	Perm FSSP	endBeforeStart noOverlap sameSequence	5	419
KameugneFND23 KameugneFND23 [222]	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	?	benchmark	5	BL PSPLib		n	-	RCPSPs	cumulative	6	422
KimCMLLP23 KimCMLLP23 [231]	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Gurobi OR-Tools	real-world, benchmark, zenodo	0	y		n	-	SCC	alternative noOverlap	7	427
Mehdizadeh-Somarin23 Mehdizadeh-Somarin23 [295]	A Constraint Programming Model for a Reconfigurable Job Shop Scheduling Problem with Machine Availability	CP Opt	random instance	0	n		n	-	JSSP RMS	alternative endBeforeStart noOverlap	8	466
PerezGSL23 PerezGSL23 [338]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	9	488
PovedaAA23 PovedaAA23 [348]	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	CP Opt MiniZinc Chuffed	real-world, github, bench- mark, industrial instance, real- life	4	y		y		PP-MS- MMRCPSP/max- cal		10	492
SquillaciPR23 SquillaciPR23 [387]	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Cplex Studio	github, bench- mark	2	y		n	-	EOSP	?	11	514
TardivoDFMP23 TardivoDFMP23 [396]	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	MiniCPP MiniZinc	bitbucket, github, bench- mark, real- world	9	PSPLib BL Pack		y	-	RCPSP	cumulative	12	518
TasselGS23 TasselGS23 [397]	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	custom Choco	industrial instance, real- world, supple- mentary ma- terial, github, benchmark	0	ref		y	-	JSSP	noOverlap	13	519
WangB23 WangB23 [433]	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	FaCiLe	real-world, random instance	0	(y)		n	[432]	FJS	-	14	540
YuraszeckMC23 YuraszeckMC23 [448]	A competitive constraint programming approach for the group shop scheduling problem	CP Opt	github, bench- mark	0	ref		n	-	GSSP	noOverlap endBeforeStart	15	550

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
ArmstrongGOS22 ArmstrongGOS22 [16]	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	CP Opt	real-world, benchmark	0	(y)		-	[15]	$HFFm tt C_{\max}$	endBeforeStart alternative cumulative noOverlap	16	294
BoudreaultSLQ22 BoudreaultSLQ22 [80]	A Constraint Programming Approach to Ship Refit Project Scheduling	MiniZinc Chuffed	benchmark, generated instance, supplementary material, gitlab, real-life, industrial partner, github, real-world	9			y	-	RCPSP	cumulative	17	332
GeitzGSSW22 GeitzGSSW22 [160]	Solving the Extended Job Shop Scheduling Problem with AGVs - Classical and Quantum Approaches	firstCS QUBO	real-life, github, real-world	8	y		n	-	JSSP		18	381
JungblutK22 JungblutK22 [216]	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	MiniZinc	benchmark, github, real-world	0	y		y	-			19	417
LiFJZLL22 LiFJZLL22 [262]	Constraint Programming for a Novel Integrated Optimization of Blocking Job Shop Scheduling and Variable-Speed Transfer Robot Assignment	OPL CP Opt	benchmark	0	ref		n	-	BJSSP	endBeforeStart alternative noOverlap	20	447
LuoB22 LuoB22 [285]	Packing by Scheduling: Using Constraint Programming to Solve a Complex 2D Cutting Stock Problem	CPO	generated instance, github, real-life, real-world, industry partner, industrial instance	2	n		n	-	2SCSP-FF	pulse alwaysIn forbidExtent stateFunction	21	460
OuelletQ22 OuelletQ22 [330]	A MinCumulative Resource Constraint	Choco	github, benchmark, random instance	1	y		y	-		cumulative minCumulative	22	484
OujanaAYB22 OujanaAYB22 [331]	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	CP Opt	benchmark, industrial instance, real-world, real-life	0	n		n	-	HFFS	alternative span noOverlap endBeforeStart	23	485
PopovicCGNC22 PopovicCGNC22 [346]	Scheduling the Equipment Maintenance of an Electric Power Transmission Network Using Constraint Programming	CP Opt		0	n		n	-	TMS	alwaysIn noOverlap	24	491
SvancaraB22 SvancaraB22 [392]	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling			0							25	No
Teppan22 Teppan22 [400]	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	OPL	real-life, benchmark	0	ref		n	-	FJSSP	noOverlap alternative endBeforeStart	26	520
TouatBT22 TouatBT22 [407]	A Constraint Programming Model for the Scheduling Problem with Flexible Maintenance under Human Resource Constraints	OPL	benchmark, generated instance	0	n		n	-	Single Machine Scheduling	alternative noOverlap forbidExtent	27	525
WinterMMW22 WinterMMW22 [438]	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Cplex Gurobi CP Opt Sim Anneal	supplementary material, real-life, industry partner, zenodo, industrial partner, benchmark	0	y		y	-	PMSP	alternative noOverlap	28	543
ZhangJZL22 ZhangJZL22 [454]	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	OP Opt	benchmark	0	ref		n	-	HFSP	alternative endBeforeStart noOverlap cumulative	29	551

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
AntuoriHHEN21 AntuoriHHEN21 [13]	Combining Monte Carlo Tree Search and Depth First Search Methods for a Car Manufacturing Workshop Scheduling Problem	MCTS	gitlab, supplementary material	1	y		y				30	291
ArmstrongGOS21 ArmstrongGOS21 [15]	The Hybrid Flexible Flowshop with Transportation Times	MiniZinc Chuffed CP Opt SICStus	instance generator, industry partner, zenodo, supplementary material, real-world, industrial partner, benchmark	1	y		y	-	$HFFm tt C_{\max}$	cumulative diffn table	31	293
Astrand0F21 Astrand0F21 [22]	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	Gecode	benchmark, real-world, real-life, generated instance	0	ref generated		n	-		-	32	298
BenderWS21 BenderWS21 [54]	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	CP Opt		9	y		n	-	MRCPSP	noOverlap alternative	33	314
GeibingerKKMMW21 GeibingerKKMMW21 [156]	Physician Scheduling During a Pandemic	MiniZinc	real-world	3	y		n	-		nvalue	34	378
GeibingerMM21 GeibingerMM21 [159]	Constraint Logic Programming for Real-World Test Laboratory Scheduling	clingcon	real-life, github, generated instance, real-world, benchmark	0	y				TLSP RCPSP	disjunctive	35	380
HanenKP21 HanenKP21 [185]	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Python	Roadef, generated instance, random instance	1	ref		n	-	$P prec, r_i, d_i *$	-	36	397
HillTV21 HillTV21 [202]	A Computational Study of Constraint Programming Approaches for Resource-Constrained Project Scheduling with Autonomous Learning Effects	CP Opt	real-world	0	PSPlib		n	-	RCPSP	cumulative alternative endBeforeStart	37	407
KlankeBYE21 KlankeBYE21 [232]	Combining Constraint Programming and Temporal Decomposition Approaches - Scheduling of an Industrial Formulation Plant	OR-Tools	benchmark, random instance, real-life	0	n		n	-		cumulative circuit noOverlap	38	428
KovacsTKSG21 KovacsTKSG21 [244]	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Gurobi OR-Tools Cplex CP Opt	github, supplementary material, real-world, benchmark	2	y		y	-	extended RCPSP	cumulative	39	433
LacknerMMWW21 LacknerMMWW21 [253]	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	CP Opt Chuffed OR-Tools Gurobi OPL	random instance, industrial partner, benchmark, instance generator, real-life, supplementary material	3	y		y		OSP		40	442
BarzegaranZP20 BarzegaranZP20 [42]	Quality-Of-Control-Aware Scheduling of Communication in TSN-Based Fog Computing Platforms Using Constraint Programming	OR-Tools		5	n		n	-	FCP		41	308
GodetLHS20 GodetLHS20 [167]	Using Approximation within Constraint Programming to Solve the Parallel Machine Scheduling Problem with Additional Unit Resources	MiniZinc Choco Chuffed	github, real-life, benchmark, generated instance	0	JSON		y	-	PMSPAUR	disjunctive cumulative alldifferent enqueueCstr approxCstr	42	386

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GroleazNS20 GroleazNS20 [178]	Solving the Group Cumulative Scheduling Problem with CPO and ACO	CP Opt ACO	benchmark, industrial instance	0	-		-	[178]	GCSP	groupCumulative	43	393
GroleazNS20a GroleazNS20a [177]	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	CPO ACO	industrial partner, benchmark	0	y		n	-	GCSP	groupCumulative	44	394
Mercier-AubinGQ20 Mercier-AubinGQ20 [298]	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	MiniZinc Chuffed	industrial instance, industrial partner	1	a		a	-		circuit cumulative	45	468
NattafM20 NattafM20 [315]	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Cplex CP Opt	benchmark, industrial instance	7	-		-	[289]	PTC	alternative noOverlap	46	478
TangB20 TangB20 [394]	CP and Hybrid Models for Two-Stage Batching and Scheduling	Cplex CP Opt	real-world	0	n		n	-	2BPHFSP	span alwaysIn	47	517
WangB20 WangB20 [432]	Global Propagation of Transition Cost for Fixed Job Scheduling	FaCiLe	github	0	y		n	-	FJS	-	48	539
WessenCS20 WessenCS20 [436]	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Gecode	real-world	10	n		n	-		circuit alldifferent	49	542
BadicaBIL19 BadicaBIL19 [26]	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	ECLiPSe	github	0	dead		dead	-			50	300
BehrensLM19 BehrensLM19 [47]	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks	OR-Tools	real-world, github	0	y		y	-	STAAMS		51	310
BogaerdtW19 BogaerdtW19 [413]	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	custom Cplex CPO CP Opt OR-Tools	benchmark	4	n		n	-	Multi Machine Scheduling	noOverlap	52	324
ColT19 ColT19 [99]	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	CP Opt OR-Tools	github, benchmark, real-world	2	y		y	-	JSSP	noOverlap	53	346
FrimodigS19 FrimodigS19 [144]	Models for Radiation Therapy Patient Scheduling	Mini-Zinc Gecode Cplex	benchmark, real-world	1	n		n	-		cumulative regular bin-packing	54	369
FrohnertTR19 FrohnertTR19 [145]	Casual Employee Scheduling with Constraint Programming and Metaheuristics		benchmark, real-world	0							55	370
GalleguillosKSB19 GalleguillosKSB19 [147]	Constraint Programming-Based Job Dispatching for Modern HPC Applications	OR-Tools		5			y		on-line dispatch		56	372
GeibingerMM19 GeibingerMM19 [158]	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling		real-life, generated instance, industrial partner, real-world, benchmark	3							57	379
KucukY19 KucukY19 [249]	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem		benchmark, generated instance	0							58	438
LiuLH19 LiuLH19 [269]	Solving the Talent Scheduling Problem by Parallel Constraint Programming		CSPLib, benchmark	0							59	454
MalapertN19 MalapertN19 [289]	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications		generated instance, benchmark, industrial instance, Roadef	3							60	464
MurinR19 MurinR19 [309]	Scheduling of Mobile Robots Using Constraint Programming	CP Opt Cplex OPL	real-life, benchmark, github	3	y		y		JSPT	endBeforeStart alternative noOverlap	61	475



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ParkUJR19 ParkUJR19 [336]	Developing a Production Scheduling System for Modular Factory Using Constraint Programming		real-world	0							62	486
Tom19 Tom19 [405]	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling		real-world	0							63	524
YangSS19 YangSS19 [444]	Time Table Edge Finding with Energy Variables		generated instance	1							64	548
ArbaouiY18 ArbaouiY18 [14]	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming		benchmark	0							65	292
AstrandJZ18 AstrandJZ18 [23]	Fleet Scheduling in Underground Mines Using Constraint Programming			0							66	299
BenediktSMVH18 BenediktSMVH18 [56]	Energy-Aware Production Scheduling with Power-Saving Modes	CPO Gurobi	github, random instance, generated instance	1	y		y	-	Energy Aware Production Scheduling		67	315
DemirovicS18 DemirovicS18 [114]	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts		real-world, benchmark	5							68	353
He0GLW18 He0GLW18 [188]	A Fast and Scalable Algorithm for Scheduling Large Numbers of Devices Under Real-Time Pricing	Gurobi Python	real-world, bit-bucket	8	y		y	-	FSDN-DS DSP-MH-RTP		69	398
HoYCLLC18 HoYCLLC18 [203]	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints		real-world	0							70	408
KameugneFGOQ18 KameugneF-GOQ18 [221]	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint		benchmark, real-world	0							71	421
Laborie18a Laborie18a [251]	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling		real-life, benchmark, real-world	0							72	441
NishikawaSTT18 NishikawaSTT18 [317]	Scheduling of Malleable Fork-Join Tasks with Constraint Programming		real-world, benchmark	0							73	479
NishikawaSTT18a NishikawaSTT18a [318]	Scheduling of Malleable Tasks Based on Constraint Programming		real-world, benchmark, real-life	0							74	480
OuelletQ18 OuelletQ18 [329]	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning		benchmark, RoaDef	0							75	483
RiahiNS018 RiahiNS018 [358]	Local Search for Flowshops with Setup Times and Blocking Constraints		real-world, real-life, benchmark	0							76	499
Tesch18 Tesch18 [402]	Improving Energetic Propagations for Cumulative Scheduling		RoaDef	0							77	522
BofillCSV17 BofillCSV17 [66]	An Efficient SMT Approach to Solve MRCPSP/max Instances with Tight Constraints on Resources		benchmark	2							78	321
CappartS17 CappartS17 [89]	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	CPO	bitbucket, random instance, real-life	1	y		n	-	Rescheduling Railway Traffic		79	336
GelainPRVW17 GelainPRVW17 [161]	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems		CSPlib, real-life, benchmark	2							80	382
GoldwaserS17 GoldwaserS17 [170]	Optimal Torpedo Scheduling	Chuffed Gurobi	instance generator, github, generated instance	4	y		n	-	Torpedo Scheduling		81	387
Hooker17 Hooker17 [208]	Job Sequencing Bounds from Decision Diagrams		benchmark, random instance	0							82	412

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KletzanderM17 KletzanderM17 [233]	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem			2							83	429
LiuCGM17 LiuCGM17 [270]	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Chuffed OR-Tools HCSP SA	github	11	n			-	NightSplit		84	452
Madi-WambaLOBM17 Madi-WambaLOBM17 [287]	Green Energy Aware Scheduling Problem in Virtualized Datacenters		real-world	0							85	462
MossigeGSMC17 MossigeGSMC17 [305]	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems		industrial partner, real-world, benchmark, random instance, CSPLib, generated instance	4							86	472
Pralet17 Pralet17 [349]	An Incomplete Constraint-Based System for Scheduling with Renewable Resources		benchmark	1							87	493
YoungFS17 YoungFS17 [446]	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem		benchmark, github, instance generator	6							88	549
BonfiettiZLM16 BonfiettiZLM16 [76]	The Multirate Resource Constraint		generated instance, github, industrial instance, benchmark, real-world	1							89	330
BoothNB16 BoothNB16 [77]	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes		real-world	0							90	331
BridiLBBM16 BridiLBBM16 [84]	DARDIS: Distributed And Randomized Dispatching and Scheduling			0							91	333
CauwelaertDMS16 CauwelaertDMS16 [92]	Efficient Filtering for the Unary Resource with Family-Based Transition Times		real-life, bit-bucket, benchmark	2							92	339
FontaineMH16 FontaineMH16 [140]	Parallel Composition of Scheduling Solvers		benchmark	2							93	366
GilesH16 GilesH16 [163]	Solving a Supply-Delivery Scheduling Problem with Constraint Programming			0							94	384
GingrasQ16 GingrasQ16 [164]	Generalizing the Edge-Finder Rule for the Cumulative Constraint		benchmark	0							95	385
HechingH16 HechingH16 [190]	Scheduling Home Hospice Care with Logic-Based Benders Decomposition		real-world	0							96	400
JelinekB16 JelinekB16 [214]	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station		real-life	2							97	416
LimHTB16 LimHTB16 [265]	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control		real-world	4							98	449
Madi-WambaB16 Madi-WambaB16 [286]	The TaskIntersection Constraint		real-world, benchmark, random instance, generated instance	3							99	461
SchuttS16 SchuttS16 [373]	Explaining Producer/Consumer Constraints		benchmark	1							100	507
SzerediS16 SzerediS16 [393]	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling		benchmark	2							101	516

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
Tesch16 Tesch16 [401]	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $\mathcal{O}(n^2 \log n)$		Roadef	1							102	521
BartakV15 BartakV15 [40]	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints			0							103	No
BofillGSV15 BofillGSV15 [68]	MaxSAT-Based Scheduling of B2B Meetings		industrial instance	3							104	323
BurtLPS15 BurtLPS15 [86]	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feedrate Constraints: A Mine Planning Case Study		real-world, benchmark, industry partner	5							105	335
DejemeppeCS15 DejemeppeCS15 [111]	The Unary Resource with Transition Times		real-world, bitbucket, generated instance, benchmark	4							106	351
EvenSH15 EvenSH15 [130]	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling		real-life, real-world	0							107	364
GayHLS15 GayHLS15 [151]	Conflict Ordering Search for Scheduling Problems		benchmark, bitbucket	0							108	374
GayHS15 GayHS15 [152]	Simple and Scalable Time-Table Filtering for the Cumulative Constraint		bitbucket	2							109	375
GayHS15a GayHS15a [153]	Time-Table Disjunctive Reasoning for the Cumulative Constraint		benchmark, bitbucket, real-world	0							110	376
KreterSS15 KreterSS15 [245]	Modeling and Solving Project Scheduling with Calendars		benchmark	3							111	436
LimBTBB15 LimBTBB15 [266]	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings		benchmark	3							112	448
LombardiBM15 LombardiBM15 [272]	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty		benchmark, real-world	0							113	455
MelgarejoLS15 MelgarejoLS15 [7]	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems		real-world, benchmark	1							114	467
MurphyMB15 MurphyMB15 [310]	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System		real-world	3							115	476
PesantRR15 PesantRR15 [340]	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem			1							116	489
PraletLJ15 PraletLJ15 [350]	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search			0							117	494
SialaAH15 SialaAH15 [380]	Two Clause Learning Approaches for Disjunctive Scheduling		github, benchmark	5							118	510
VilimLS15 VilimLS15 [427]	Failure-Directed Search for Constraint-Based Scheduling		benchmark	8							119	538
ZhouGL15 ZhouGL15 [460]	On complex hybrid flexible flowshop scheduling problems based on constraint programming		real-world	0							120	554
AlesioNBG14 AlesioNBG14 [118]	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing		benchmark	2							121	289
BartoliniBBLM14 BartoliniBBLM14 [41]	Proactive Workload Dispatching on the EURORA Supercomputer			4							122	307
BessiereHMQW14 BessiereHMQW14 [61]	Buffered Resource Constraint: Algorithms and Complexity		benchmark, real-life	0							123	318
BofillEGPSV14 BofillEGPSV14 [67]	Scheduling B2B Meetings		industrial instance	6							124	322

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
BonfiettiLM14 BonfiettiLM14 [74]	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!		real-world, benchmark	2							125	328
DejemeppeD14 DejemeppeD14 [112]	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling		bitbucket	0							126	352
DerrienP14 DerrienP14 [116]	A New Characterization of Relevant Intervals for Energetic Reasoning		random instance	0							127	354
DerrienPZ14 DerrienPZ14 [117]	A Declarative Paradigm for Robust Cumulative Scheduling		benchmark, random instance, real-world	0							128	355
DoulabiRP14 DoulabiRP14 [122]	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling			0							129	358
FriedrichFMRSS14 FriedrichFMRSS14 [143]	Representing Production Scheduling with Constraint Answer Set Programming			0							130	No
GaySS14 GaySS14 [154]	Continuous Casting Scheduling with Constraint Programming		real-life, CSPlib	0							131	377
HoundjiSWD14 HoundjiSWD14 [210]	The StockingCost Constraint		bitbucket, generated instance	0							132	414
KoschB14 KoschB14 [237]	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes		benchmark	0							133	431
BonfiettiLM13 BonfiettiLM13 [73]	De-Cycling Cyclic Scheduling Problems			0							134	327
CireCH13 CireCH13 [96]	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	CP Opt Cplex		1	dead		n	-			135	343
GuSS13 GuSS13 [180]	A Lagrangian Relaxation Based Forward-Backward Improvement Heuristic for Maximising the Net Present Value of Resource-Constrained Projects	Chuffed	benchmark	1	dead			-	RCPSPDC	cumulative maxNVPPProp	136	396
HeinzKB13 HeinzKB13 [192]	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling			0							137	402
KelarevaTK13 KelarevaTK13 [226]	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	MiniZinc CPX G12FD SICStus Choco	real-world	5	ref		-	-	LSFRP BPCTOP	alldifferent alldifferentExcept	138	424
LetortCB13 LetortCB13 [260]	A Synchronized Sweep Algorithm for the <i>k</i> -dimensional cumulative Constraint		Roadef, benchmark, random instance	2	PSPlib		-	-	RCPSP	cumulative kDimensionalCum	139	446
LombardiM13 LombardiM13 [279]	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling			0							140	459
OuelletQ13 OuelletQ13 [328]	Time-Table Extended-Edge-Finding for the Cumulative Constraint		benchmark	1							141	482
SchuttFS13 SchuttFS13 [370]	Scheduling Optional Tasks with Explanation		benchmark	1							142	504
SchuttFS13a SchuttFS13a [369]	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Mercury G12	benchmark	5	PSPlib AT BL Pack KSD15D PackD		-	-	RCPSP	cumulative	143	505
BillautHL12 BillautHL12 [62]	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem		random instance	0							144	319

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BonfiettiLBM12 BonfiettiLBM12 [71]	Global Cyclic Cumulative Constraint		benchmark	3							145	326
BonfiettiM12 BonfiettiM12 [75]	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem		industrial instance	0							146	329
HeinzB12 HeinzB12 [191]	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling			0							147	401
IfrimOS12 IfrimOS12 [212]	Properties of Energy-Price Forecasts for Scheduling		real-life	1							148	415
LetortBC12 LetortBC12 [259]	A Scalable Sweep Algorithm for the cumulative Constraint		Roadef, benchmark, random instance	2							149	445
RendlPHPR12 RendlPHPR12 [357]	Hybrid Heuristics for Multimodal Homecare Scheduling		real-world, CSPlib, benchmark	2							150	498
SchuttCSW12 SchuttCSW12 [368]	Maximising the Net Present Value for Resource-Constrained Project Scheduling		benchmark	1							151	503
SerraNM12 SerraNM12 [375]	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach		benchmark, real-world	4							152	509
SimoninAHL12 SimoninAHL12 [381]	Scheduling Scientific Experiments on the Rosetta/Philae Mission	MOST Ilog Scheduler		0	n		n	-		cumulative dataTransfer	153	511
ZhangLS12 ZhangLS12 [457]	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method			0							154	552
BonfiettiLBM11 BonfiettiLBM11 [70]	A Constraint Based Approach to Cyclic RCPSP		generated instance, industrial instance, benchmark	3							155	325
ChapadosJR11 ChapadosJR11 [94]	Retail Store Workforce Scheduling by Expected Operating Income Maximization			0							156	341
ClercPBJ11 ClercPBJ11 [97]	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource		benchmark	1							157	344
EdisO11 EdisO11 [124]	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach			0							158	359
GrimesH11 GrimesH11 [174]	Models and Strategies for Variants of the Job Shop Scheduling Problem		benchmark	1							159	391
HeinzS11 HeinzS11 [194]	Explanations for the Cumulative Constraint: An Experimental Study		benchmark	1							160	403
HermenierDL11 HermenierDL11 [201]	Bin Repacking Scheduling in Virtualized Datacenters			1							161	406
KameugneFSN11 KameugneFSN11 [223]	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints		benchmark	1							162	423
LahimerLH11 LahimerLH11 [255]	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks		benchmark	2							163	443
LombardiBMB11 LombardiBMB11 [273]	Precedence Constraint Posting for Cyclic Scheduling Problems		benchmark, industrial instance, real-life	0							164	456
Vilim11 Vilim11 [424]	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources		benchmark	1							165	536
ZibranR11 ZibranR11 [462]	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach			0							166	556

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ZibranR11a	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring			0							167	557
ZibranR11a [463]												
BertholdHLMS10	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling			1							168	317
BertholdHLMS10 [60]												
CobanH10	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition			0							169	345
CobanH10 [98]												
Davenport10	Integrated Maintenance Scheduling for Semiconductor Manufacturing			0							170	349
Davenport10 [105]												
GrimesH10	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach		benchmark	1							171	390
GrimesH10 [173]												
LombardiM10	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution		real-world, benchmark	1							172	458
LombardiM10 [276]												
MakMS10	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems			0							173	463
MakMS10 [288]												
SchuttW10	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints		benchmark	1							174	508
SchuttW10 [374]												
SunLYL10	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming			0							175	515
SunLYL10 [390]												
Acuna-AgostMFG09	Constraint Programming and Mixed Integer Linear Programming for Rescheduling Trains under Disrupted Operations		Roadef	1							176	287
Acuna-AgostMFG09 [4]												
AronssonBK09	MILP formulations of cumulative constraints for railway scheduling - A comparative study		real-world, real-life	0							177	295
AronssonBK09 [17]												
Baptiste09	Constraint-Based Schedulers, Do They Really Work?			0							178	301
Baptiste09 [27]												
GrimesHM09	Closing the Open Shop: Contradicting Conventional Wisdom		benchmark	0							179	392
GrimesHM09 [175]												
Laborie09	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems		real-world, benchmark	2							180	440
Laborie09 [250]												
LombardiM09	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations		real-world, instance generator	1							181	457
LombardiM09 [274]												
MonetteDH09	Just-In-Time Scheduling with Constraint Programming		benchmark	0							182	471
MonetteDH09 [302]												
SchuttFSW09	Why Cumulative Decomposition Is Not as Bad as It Sounds		benchmark, real-world	1							183	506
SchuttFSW09 [371]												
ThiruvadyBME09	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling			0							184	523
ThiruvadyBME09 [403]												
Vilim09 Vilim09 [422]	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$			0							185	534
Vilim09a Vilim09a [423]												
Vilim09a	Max Energy Filtering Algorithm for Discrete Cumulative Resources			1							186	535
BarlattCG08	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems		real-world	1							187	304
BarlattCG08 [33]												
BeldiceanuCP08	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles		benchmark	0							188	312
BeldiceanuCP08 [51]												
DoomsH08	Gap Reduction Techniques for Online Stochastic Project Scheduling			0							189	357
DoomsH08 [121]												
HentenryckM08	The Steel Mill Slab Design Problem Revisited		CSPlib	0							190	405
HentenryckM08 [200]												

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
LauLN08 LauLN08 [257]	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)		benchmark, real-world	0							191	444
MouraSCL08 MouraSCL08 [307]	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network			0							192	473
MouraSCL08a MouraSCL08a [306]	Heuristics and Constraint Programming Hybridizations for a Real Pipeline Planning and Scheduling Problem		real-world, benchmark	0							193	474
PoderB08 PoderB08 [342]	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production			0							194	490
WatsonB08 WatsonB08 [435]	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem		benchmark, real-world	1							195	541
AkkerDH07 AkkerDH07 [412]	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems			0							196	288
BeldiceanuP07 BeldiceanuP07 [52]	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production			0							197	313
DavenportKRSH07 DavenportKRSH07 [106]	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing			0							198	350
GarganiR07 GarganiR07 [148]	An Efficient Model and Strategy for the Steel Mill Slab Design Problem		real-life, CSPLib	0							199	373
HoeveGSL07 HoeveGSL07 [415]	Optimal Multi-Agent Scheduling with Constraint Programming		benchmark	0							200	409
KeriK07 KeriK07 [228]	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method			2							201	425
KrogtLPHJ07 KrogtLPHJ07 [414]	Scheduling for Cellular Manufacturing		real-world	0							202	437
Limtanyakul07 Limtanyakul07 [267]	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming		real-life	0							203	451
MonetteDD07 MonetteDD07 [301]	A Position-Based Propagator for the Open-Shop Problem		benchmark	0							204	470
RossiTHP07 RossiTHP07 [360]	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost			0							205	501
BeniniBGM06 BeniniBGM06 [57]	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs		real-life	0							206	316
GomesHS06 GomesHS06 [172]	Constraint Programming for Distributed Planning and Scheduling		real-life	0							207	389
KhemmoudjPB06 KhemmoudjPB06 [230]	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages		real-world	0							208	426
KovacsV06 KovacsV06 [243]	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP		industrial partner, benchmark, generated instance	0							209	435
LiuJ06 LiuJ06 [271]	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming			0							210	453
QuSN06 QuSN06 [355]	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices			0							211	496

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AbrilSB05 AbrilSB05 [3]	Distributed Constraints for Large-Scale Scheduling Problems			0							212	286
ArtiouchineB05 ArtiouchineB05 [20]	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs		generated instance, random instance	0							213	297
CarchraeBF05 CarchraeBF05 [90]	Methods to Learn Abstract Scheduling Models			0							214	337
ChuX05 ChuX05 [95]	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems			0							215	342
DilkinaDH05 DilkinaDH05 [119]	Extending Systematic Local Search for Job Shop Scheduling Problems			0							216	356
FortinZDF05 FortinZDF05 [141]	Interval Analysis in Scheduling			0							217	367
FrankK05 FrankK05 [142]	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations		benchmark	0							218	368
Geske05 Geske05 [162]	Railway Scheduling with Declarative Constraint Programming		real-life	0							219	383
GodardLN05 GodardLN05 [165]	Randomized Large Neighborhood Search for Cumulative Scheduling			0							220	No
HebrardTW05 HebrardTW05 [189]	Computing Super-Schedules			0							221	399
Hooker05a Hooker05a [206]	Planning and Scheduling to Minimize Tardiness			0							222	411
KovacsEKV05 KovacsEKV05 [240]	Proterv-II: An Integrated Production Planning and Scheduling System		real-life	0							223	432
MoffittPP05 MoffittPP05 [299]	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints			0							224	469
QuirogaZH05 QuirogaZH05 [356]	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS			0							225	497
Vilim05 Vilim05 [421]	Computing Explanations for the Unary Resource Constraint		benchmark	4							226	533
Wolfs05 Wolfs05 [440]	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application		real-world	0							227	545
WuBB05 WuBB05 [443]	Scheduling with Uncertain Start Dates		benchmark	0							228	547
ArtiguesBF04 ArtiguesBF04 [18]	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times		benchmark	0							229	296
HentenryckM04 HentenryckM04 [199]	Scheduling Abstractions for Local Search		benchmark	0							230	404
Hooker04 Hooker04 [204]	A Hybrid Method for Planning and Scheduling		random instance	0							231	410
KovacsV04 KovacsV04 [242]	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling		industrial partner, benchmark, real-life	0							232	434
LimRX04 LimRX04 [264]	Solving the Crane Scheduling Problem Using Intelligent Search Schemes		generated instance	0							233	450
MaraveliasG04 MaraveliasG04 [292]	Using MILP and CP for the Scheduling of Batch Chemical Processes			0							234	465
Sadykov04 Sadykov04 [363]	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem			0							235	502
Vilim04 Vilim04 [420]	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint		benchmark	1							236	532
VilimBC04 VilimBC04 [425]	Unary Resource Constraint with Optional Activities		benchmark, real-life	0							237	537



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VillaverdeP04 VillaverdeP04 [428]	An Investigation of Scheduling in Distributed Constraint Logic Programming			0							238	No
WolinskiKG04 WolinskiKG04 [441]	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures			0							239	546
WolinskiKG04a WolinskiKG04a [442]	A constraints programming approach to communication scheduling on SoPC architectures			0							240	No
DannaP03 DannaP03 [103]	Structured vs. Unstructured Large Neighborhood Search: A Case Study on Job-Shop Scheduling Problems with Earliness and Tardiness Costs		benchmark	0							241	348
Kumar03 Kumar03 [248]	Incremental Computation of Resource-Envelopes in Producer-Consumer Models			0							242	439
OddiPCC03 OddiPCC03 [327]	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem		benchmark	0							243	481
ValleMGT03 ValleMGT03 [411]	On Selecting and Scheduling Assembly Plans Using Constraint Programming		real-life	0							244	527
Vilim03 Vilim03 [419]	Computing Explanations for Global Scheduling Constraints			0							245	531
Wolf03 Wolf03 [439]	Pruning while Sweeping over Task Intervals		benchmark	0							246	544
Bartak02 Bartak02 [35]	Visopt ShopFloor: On the Edge of Planning and Scheduling		real-life	0							247	305
Bartak02a Bartak02a [34]	Visopt ShopFloor: Going Beyond Traditional Scheduling		benchmark, real-life	0							248	306
BeldiceanuC02 BeldiceanuC02 [49]	A New Multi-resource cumulatives Constraint with Negative Heights		real-life, random instance, benchmark	0							249	311
ElkhyariGJ02 ElkhyariGJ02 [126]	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems			0							250	361
ElkhyariGJ02a ElkhyariGJ02a [127]	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools		benchmark, real-life	0							251	362
HookerY02 HookerY02 [209]	A Relaxation of the Cumulative Constraint			0							252	413
KamarainenS02 KamarainenS02 [219]	Local Probing Applied to Scheduling		real-world, benchmark	2							253	420
Muscettola02 Muscettola02 [311]	Computing the Envelope for Stepwise-Constant Resource Allocations			0							254	477
Vilim02 Vilim02 [418]	Batch Processing with Sequence Dependent Setup Times			0							255	530
ZhuS02 ZhuS02 [461]	A Meeting Scheduling System Based on Open Constraint Programming			0							256	555
VanczaM01 VanczaM01 [416]	A Constraint Engine for Manufacturing Process Planning		real-life, real-world	0							257	528
VerfaillieL01 VerfaillieL01 [417]	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View			0							258	529
AngelsmarkJ00 AngelsmarkJ00 [12]	Some Observations on Durations, Scheduling and Allen's Algebra			0							259	290
FocacciLN00 FocacciLN00 [139]	Solving Scheduling Problems with Setup Times and Alternative Resources		real-world	0							260	365
KorbaaYG99 KorbaaYG99 [235]	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming			0							261	430

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CestaOS98	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints			0							262	340
CestaOS98 [93]												
FrostD98 FrostD98 [146]	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units			0							263	371
GruianK98	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming		benchmark	0							264	395
GruianK98 [179]												
PembertonG98	A constraint-based approach to satellite scheduling			0							265	487
PembertonG98 [337]												
RodosekW98	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems		benchmark	0							266	500
RodosekW98 [359]												
BaptisteP97	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems		benchmark	0							267	303
BaptisteP97 [30]												
BeckDF97	Five Pitfalls of Empirical Scheduling Research		benchmark,	0							268	309
BeckDF97 [43]			real-world									
BoucherBVBL97	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem			0							269	No
BoucherBVBL97 [79]												
Caseau97 Caseau97 [91]	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel		benchmark	0							270	338
PapeB97 PapeB97 [334]	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling			0							271	No
BrusoniCLMMT96	Resource-Based vs. Task-Based Approaches for Scheduling Problems			0							272	334
BrusoniCLMMT96 [85]												
Colombani96	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem			0							273	347
Colombani96 [101]												
Zhou96 Zhou96 [458]	A Constraint Program for Solving the Job-Shop Problem			0							274	553
Goltz95 Goltz95 [171]	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling		benchmark	0							275	388
Puget95 Puget95 [352]	Applications of Constraint Programming		benchmark	0							276	495
Simonis95	The CHIP System and Its Applications			0							277	512
Simonis95 [383]												
SimonisC95	Modelling Producer/Consumer Constraints		real-life	0							278	513
SimonisC95 [385]												
Touraivane95	Constraint Programming and Industrial Applications		real-life	0							279	526
Touraivane95 [408]												
JourdanFRD94	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming			0							280	No
JourdanFRD94 [215]												
NuijtenA94	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling			0							281	No
NuijtenA94 [325]												
AggounB92	Extending CHIP in order to solve complex scheduling and placement problems			0							282	No
AggounB92 [5]												
BaptisteLV92	Hoist scheduling problem: an approach based on constraint logic programming			0							283	302
BaptisteLV92 [32]												
ErtlK91 ErtlK91 [128]	Optimal Instruction Scheduling using Constraint Logic Programming		real-world, benchmark	0							284	363

### 3 Journal Articles

Table 5: ARTICLES from bibtex (Total 167)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
PrataAN23	PrataAN23	Bruno A. Prata, Levi R. Abreu, Marcelo S. Nagano	Yes	[351]	2024	Results in Control and Optimization	17	1108	1152
abs-2402-00459	S. Nguyen, Dhananjay R. Thiruvady, Y. Sun, M. Zhang	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	Yes	[316]	2024	CoRR	21	1151	1153
abs-2402-00459	Levi Ribeiro de Abreu, Marcelo Seido Nagano, Bruno A. Prata	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	No	[109]	2023	Int. J. Prod. Res.	20	No	1154
AkramNHRSA23	AkramNHRSA23	Bilal Omar Akram, Nor Kamariah Noordin, F. Hashim, Mohd Fadlee A. Rasid, Mustafa Ismael Salman, Abdulrahman M. Abdulghani	Yes	[8]	2023	IEEE Access	16	1012	1155
AlfieriGPS23	AlfieriGPS23	A. Alfieri, M. Garraffa, E. Pastore, F. Salassa	Yes	[10]	2023	Computers and Industrial Engineering	13	1013	1156
Caballero23	Caballero23	Jordi Coll Caballero	Yes	[87]	2023	Constraints An Int. J.	1	1032	1157
CzerniachowskaWZ23	CzerniachowskaWZ23	C. Kateryna, W. Radosław, Żywicki, Krzysztof	Yes	[102]	2023	Advances in Science and Technology Research Journal	14	1035	1158
GurPAE23	GurPAE23	S. Gür, M. Pinarbasi, Haci Mehmet Alakas, T. Eren	Yes	[181]	2023	Central Eur. J. Oper. Res.	25	1050	1159
IsikYA23	IsikYA23	Eyüp Ensar Isik, Seyda Topaloglu Yildiz, Özge Satir Akpunar	Yes	[213]	2023	Soft Comput.	28	1062	1160
LacknerMMWW23	LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Yes	[254]	2023	Constraints An Int. J.	42	1075	1161
MontemanniD23	MontemanniD23	R. Montemanni, M. Dell'Amico	Yes	[304]	2023	Algorithms	13	1089	1162
MontemanniD23a	MontemanniD23a	R. Montemanni, M. Dell'Amico	Yes	[303]	2023	EURO J. Comput. Optim.	20	1090	1163
NaderiRR23	NaderiRR23	N. Bahman, R. Rubén, R. Vahid	Yes	[312]	2023	INFORMS Journal on Computing	27	1092	1164
ShaikhK23	ShaikhK23	Aftab Ahmed Shaikh, Abdullah Ayub Khan	No	[376]	2023	Int. J. Electron. Secur. Digit. Forensics	12	No	1165
YuraszeckMCCR23	YuraszeckMCCR23	F. Yuraszeck, E. Montero, D. Canut-de-Bon, N. Cuneo, M. Rojel	Yes	[450]	2023	IEEE Access	11	1134	1166
abs-2305-19888	abs-2305-19888	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek	Yes	[197]	2023	CoRR	42	1148	1167
abs-2306-05747	abs-2306-05747	P. Tassel, M. Gebser, K. Schekotihin	Yes	[398]	2023	CoRR	9	1149	1168
abs-2312-13682	abs-2312-13682	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	Yes	[339]	2023	CoRR	20	1150	1169
AbreuN22	AbreuN22	Levi Ribeiro de Abreu, Marcelo Seido Nagano	Yes	[108]	2022	Comput. Ind. Eng.	20	1010	1170
BourreauGGLT22	BourreauGGLT22	E. Bourreau, T. Garaix, M. Gondran, P. Lacomme, N. Tchernev	Yes	[81]	2022	Int. J. Prod. Res.	19	1030	1171
CampeauG22	CampeauG22	L. Campeau, M. Gamache	Yes	[88]	2022	Constraints An Int. J.	18	1033	1172

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
ColT22 ColT22	Giacomo Da Col, Erich Christian Teppan	Industrial-size job shop scheduling with constraint programming	Yes	[100]	2022	Operations Research Perspectives	19	1034	1173
FarsiTM22 FarsiTM22	A. Farsi, S. Ali Torabi, M. Mokhtarzadeh	Integrated surgery scheduling by constraint programming and meta-heuristics	No	[136]	2022	Journal of Management Science and Engineering Management	null	No	1174
Fatemi-AnarakiMFN22 Fatemi-AnarakiMFN22	S. Fatemi-Anaraki, R. Tavakkoli-Moghaddam, M. Foumani, B. Vahedi-Nouri	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches	No	[137]	2022	Omega	null	No	1175
FetgoD22 FetgoD22	S��verine Betmbe Fetgo, Cl��mentin Tayou Djam��gni	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited	Yes	[138]	2022	Oper. Res. Forum	32	1043	1176
HeinzNVH22 HeinzNVH22	V. Heinz, A. Nov��k, M. Vlk, Z. Hanz��lek	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers	Yes	[196]	2022	Comput. Ind. Eng.	16	1055	1177
MullerMKP22 MullerMKP22	D. M��ller, Marcus Gerhard M��ller, D. Kress, E. Pesch	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning	Yes	[308]	2022	Eur. J. Oper. Res.	18	1091	1178
PohlAK22 PohlAK22	M. Pohl, C. Artigues, R. Kolisch	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach	Yes	[344]	2022	Eur. J. Oper. Res.	16	1106	1179
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	[377]	2022	Int. J. Prod. Res.	18	No	1180
SubulanC22 SubulanC22	K. Subulan, G. ��akir	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem	Yes	[388]	2022	Soft Comput.	38	1121	1181
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	[447]	2022	Int. J. Prod. Res.	18	No	1182
YuraszeckMPV22 YuraszeckMPV22	F. Yuraszeck, G. Mej��a, J. Pereira, M. Vil��	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem	Yes	[449]	2022	Mathematics	26	1135	1183
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	[389]	2022	CoRR	17	1147	1184
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	1009	1185
AbreuAPNM21 AbreuAPNM21	Levi Ribeiro de Abreu, Kennedy A. G. Ara��jo, Bruno de Athayde Prata, Marcelo Seido Nagano, J. V. Moccellini	A new variable neighbourhood search with a constraint programming search strategy for the open shop scheduling problem with operation repetitions	No	[107]	2021	Engineering Optimization	null	No	1186
Bedhief21 Bedhief21	Asma Ouled Bedhief	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines	Yes	[45]	2021	Journal Europ��en des Syst��mes Automatis��s	7	1021	1187
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	[135]	2021	Comput. Oper. Res.	15	1042	1188
HamPK21 HamPK21	A. Ham, M. Park, Kyung Min Kim	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming	Yes	[184]	2021	Mathematical Problems in Engineering	12	1053	1189
HubnerGSV21 HubnerGSV21	F. H��bner, P. Gerhards, C. St��rck, R. Volk	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics	Yes	[211]	2021	J. Sched.	22	1061	1190
KoehlerBFFHPSSS21 KoehlerBFFHPSSS21	J. Koehler, J. B��rgler, 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	[234]	2021	Constraints An Int. J.	51	1067	1191

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
PandeyS21a PandeyS21a	V. Pandey, P. Saini	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization	Yes	[333]	2021	J. Supercomput.	29	1103	1192
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	[353]	2021	IEEE Trans Autom. Sci. Eng.	12	1110	1193
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[429]	2021	Comput. Ind. Eng.	14	1128	1194
ZhangYW21 ZhangYW21	L. Zhang, C. Yu, T. N. Wong	A graph-based constraint programming approach for the integrated process planning and scheduling problem	Yes	[455]	2021	Comput. Oper. Res.	10	1140	1195
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	No	1196
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	1015	1197
BadicaBI20 BadicaBI20	A. Badica, C. Badica, M. Ivanovic	Block structured scheduling using constraint logic programming	No	[25]	2020	AI Commun.	17	No	1198
BenediktMH20 BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	Yes	[55]	2020	Constraints An Int. J.	19	1025	1199
FallahiAC20 FallahiAC20	Abdellah El Fallahi, El Yaakoubi Anass, M. Cherkaoui	Tabu search and constraint programming-based approach for a real scheduling and routing problem	No	[134]	2020	International Journal of Applied Management Science	null	No	1200
LunardiBLRV20 LunardiBLRV20	William T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem	Yes	[283]	2020	Comput. Oper. Res.	20	1085	1201
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	[297]	2020	Comput. Ind. Eng.	13	1088	1202
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	[300]	2020	Int. J. Comput. Integr. Manuf.	14	No	1203
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	[345]	2020	Int. J. Prod. Res.	18	No	1204
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	[354]	2020	Eur. J. Oper. Res.	18	1109	1205
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	[362]	2020	Oper. Res. Forum	33	1112	1206
WallaceY20 WallaceY20	M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem	Yes	[431]	2020	Constraints An Int. J.	19	1130	1207
ZouZ20 ZouZ20	X. Zou, L. Zhang	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic	No	[464]	2020	Automation in Construction	1	No	1208
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	[129]	2019	Comput. Chem. Eng.	10	1038	1209
GurEA19 GurEA19	Şeyda Gür, T. Eren, Hacı Mehmet Alakaş	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study	Yes	[465]	2019	Mathematics	24	1049	1210
HauderBRPA19 HauderBRPA19	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	[186]	2019	ArXiv	62	1054	1211
NishikawaSTT19 NishikawaSTT19	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	A Constraint Programming Approach to Scheduling of Malleable Tasks	Yes	[319]	2019	Int. J. Netw. Comput.	16	1095	1212

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[321]	2019	Comput. Ind. Eng.	13	1097	1213
WikarekS19 WikarekS19	J. Wikarek, P. Sitek	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems	Yes	[437]	2019	Vietnam. J. Comput. Sci.	22	1132	1214
YounespourAKE19 YounespourAKE19	M. Younespour, A. Atighehchian, K. Kianfar, Ehsan Tarkesh Esfahani	Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy	Yes	[445]	2019	Operations research for health care	11	1133	1215
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	[48]	2019	CoRR	8	1143	1216
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	1144	1217
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	[187]	2019	CoRR	62	1145	1218
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	[157]	2019	CoRR	16	1146	1219
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[28]	2018	Discret. Appl. Math.	10	1016	1220
BorghesiBLMB18 BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[78]	2018	Sustain. Comput. Informatics Syst.	13	1029	1221
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	[132]	2018	Constraints An Int. J.	22	1040	1222
GedikKEK18 GedikKEK18	R. Gedik, D. Kalathia, G. Egilmez, E. Kirac	A constraint programming approach for solving unrelated parallel machine scheduling problem	Yes	[155]	2018	Comput. Ind. Eng.	11	1046	1223
GokgurHO18 GokgurHO18	B. Gökgür, B. Hnich, S. Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	No	[169]	2018	Int. J. Prod. Res.	17	No	1224
Ham18 Ham18	A. Ham	Integrated scheduling of m-truck, m-drone, and m-depot constrained by time-window, drop-pickup, and m-visit using constraint programming	Yes	[183]	2018	Transportation Research Part C: Emerging Technologies	14	1052	1225
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	[252]	2018	Constraints An Int. J.	41	1074	1226
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	[347]	2018	Eur. J. Oper. Res.	12	1107	1227
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	[378]	2018	IEEE Trans. Syst. Man Cybern. Syst.	16	1117	1228
TangLWSK18 TangLWSK18	Y. Tang, R. Liu, F. Wang, Q. Sun, Amr A. Kandil	Scheduling Optimization of Linear Schedule with Constraint Programming	Yes	[395]	2018	Comput. Aided Civ. Infrastructure Eng.	28	1122	1229
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	[456]	2018	IEEE Trans. Engineering Management	18	1139	1230
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[246]	2017	Constraints An Int. J.	31	1072	1231
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[314]	2017	Constraints An Int. J.	18	1094	1232
Bonfietti16 Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	No	[69]	2016	Intelligenza Artificiale	13	No	1233
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[83]	2016	IEEE Trans. Parallel Distributed Syst.	14	1031	1234

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
DoulabiRP16 DoulabiRP16	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling	No	[123]	2016	INFORMS J. Comput.	17	No	1235
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	[320]	2016	Comput. Chem. Eng.	17	1096	1236
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	[451]	2016	J. Intell. Manuf.	17	1136	1237
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[131]	2015	CoRR	16	1039	1238
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	[168]	2015	Eur. J. Oper. Res.	12	1047	1239
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[220]	2015	Constraints An Int. J.	2	1063	1240
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[261]	2015	Constraints An Int. J.	52	1077	1241
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[313]	2015	Constraints An Int. J.	21	1093	1242
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[379]	2015	Constraints An Int. J.	2	1118	1243
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[382]	2015	Constraints An Int. J.	23	1119	1244
WangMD15 WangMD15	T. Wang, N. Meskens, D. Duvivier	Scheduling operating theatres: Mixed integer programming vs. constraint programming	Yes	[434]	2015	Eur. J. Oper. Res.	13	1131	1245
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[72]	2014	Artif. Intell.	28	1028	1246
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[176]	2014	Sustain. Comput. Informatics Syst.	16	1048	1247
KameugneFSN14 KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[224]	2014	Constraints An Int. J.	27	1064	1248
NovashH14 NovashH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[324]	2014	Expert Syst. Appl.	14	1100	1249
BegB13 BegB13	Mirza Omer Beg, Peter van Beek	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures	Yes	[46]	2013	ACM Trans. Embed. Comput. Syst.	23	1022	1250
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[195]	2013	Constraints An Int. J.	36	1056	1251
OzturkTHO13 OzturkTHO13	C. Öztürk, S. Tunali, B. Hnich, M. Arslan Ornek	Balancing and scheduling of flexible mixed model assembly lines	Yes	[332]	2013	Constraints An Int. J.	36	1102	1252
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[193]	2012	Constraints An Int. J.	12	1057	1253
LimtanyakulS12 LimtanyakulS12	K. Limtanyakul, U. Schwiegelshohn	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Yes	[268]	2012	Constraints An Int. J.	32	1079	1254
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[278]	2012	Constraints An Int. J.	35	1081	1255
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[277]	2012	Artif. Intell.	10	1082	1256
NovashH12 NovashH12	Juan M. Novas, Gabriela P. Henning	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations	Yes	[323]	2012	Comput. Chem. Eng.	17	1099	1257
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[38]	2011	Constraints An Int. J.	5	1019	1258
BeckFW11 BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	No	[44]	2011	INFORMS J. Comput.	14	No	1259

Table 5: ARTICLES from bibtex (Total 167)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demassey, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[50]	2011	Ann. Oper. Res.	24	1023	1260
BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[58]	2011	Ann. Oper. Res.	27	1026	1261
HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[182]	2011	Ann. Oper. Res.	16	1051	1262
KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[227]	2011	J. Intell. Manuf.	10	1065	1263
KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[239]	2011	Constraints An Int. J.	24	1070	1264
KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[241]	2011	Constraints An Int. J.	24	1071	1265
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	[366]	2011	Constraints An Int. J.	23	1114	1266
SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[372]	2011	Constraints An Int. J.	33	1116	1267
TopalogluO11	S. Topaloglu, I. Ozkarahan	A constraint programming-based solution approach for medical resident scheduling problems	Yes	[406]	2011	Comput. Oper. Res.	10	1124	1268
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	[409]	2011	Comput. Ind. Eng.	7	1125	1269
BartakCS10	R. Barták, O. Cepek, P. Surynek	Discovering implied constraints in precedence graphs with alternatives	Yes	[37]	2010	Ann. Oper. Res.	31	1018	1270
BartakSR10	R. Barták, Miguel A. Salido, F. Rossi	New trends in constraint satisfaction, planning, and scheduling: a survey	Yes	[39]	2010	Knowl. Eng. Rev.	31	1020	1271
LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[275]	2010	Artif. Intell.	30	1080	1272
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	[280]	2010	Constraints An Int. J.	39	1083	1273
NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[322]	2010	Comput. Chem. Eng.	20	1098	1274
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	[453]	2010	Eng. Appl. Artif. Intell.	20	1138	1275
BocewiczBB09	G. Bocewicz, I. Bach, Zbigniew Antoni Banaszak	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling	No	[65]	2009	Int. J. Intell. Inf. Database Syst.	19	No	1276
GarridoAO09	A. Garrido, M. Arangú, E. Onaindia	A constraint programming formulation for planning: from plan scheduling to plan generation	Yes	[149]	2009	J. Sched.	30	1044	1277
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	[361]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	1111	1278
abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[341]	2009	CoRR	12	1142	1279
GarridoOS08	A. Garrido, E. Onaindia, Óscar Sapena	Planning and scheduling in an e-learning environment. A constraint-programming-based approach	Yes	[150]	2008	Eng. Appl. Artif. Intell.	11	1045	1280
KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[238]	2008	Eng. Appl. Artif. Intell.	7	1069	1281
LiessM08	O. Liess, P. Michelon	A constraint programming approach for the resource-constrained project scheduling problem	Yes	[263]	2008	Ann. Oper. Res.	12	1078	1282
MalikMB08	Abid M. Malik, J. McInnes, Peter van Beek	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming	No	[291]	2008	Int. J. Artif. Intell. Tools	18	No	1283
Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[384]	2007	Constraints An Int. J.	30	1120	1284
Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[207]	2006	Constraints An Int. J.	19	1060	1285



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KhayatLR06 KhayatLR06	Ghada El Khayat, A. Langevin, D. Riopel	Integrated production and material handling scheduling using mathematical programming and constraint programming	Yes	[229]	2006	Eur. J. Oper. Res.	15	1066	1286
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	[364]	2006	INFORMS J. Comput.	9	No	1287
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	[391]	2006	Int. J. Parallel Emergent Distributed Syst.	19	No	1288
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[205]	2005	Constraints An Int. J.	17	1059	1289
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	[426]	2005	Constraints An Int. J.	23	1127	1290
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[452]	2005	Inteligencia Artif.	10	1137	1291
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	[343]	2004	Eur. J. Oper. Res.	16	1105	1292
KuchcinskiW03 KuchcinskiW03	K. Kuchcinski, C. Wolinski	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming	Yes	[247]	2003	J. Syst. Archit.	15	1073	1293
Tsang03 Tsang03	Edward P. K. Tsang	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems	Yes	[410]	2003	J. Sched.	2	1126	1294
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	[282]	2002	J. Oper. Res. Soc.	8	No	1295
Timpe02 Timpe02	C. Timpe	Solving planning and scheduling problems with combined integer and constraint programming	Yes	[404]	2002	OR Spectr.	18	1123	1296
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	[293]	2001	Ann. Oper. Res.	17	1086	1297
Mason01 Mason01	Andrew J. Mason	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling	Yes	[294]	2001	Ann. Oper. Res.	38	1087	1298
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	1014	1299
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	1017	1300
HeipckeCCS00 HeipckeCCS00	S. Heipcke, Y. Colombani, Cristina C. B. Cavalcante, Cid C. de Souza	Scheduling under Labour Resource Constraints	Yes	[198]	2000	Constraints An Int. J.	8	1058	1301
KorbaaYG00 KorbaaYG00	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming	Yes	[236]	2000	Eur. J. Control	10	1068	1302
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	[281]	2000	Eur. J. Control	4	1084	1303
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[365]	2000	Constraints An Int. J.	30	1113	1304
SchildW00 SchildW00	K. Schild, J. Würtz	Scheduling of Time-Triggered Real-Time Systems	Yes	[367]	2000	Constraints An Int. J.	23	1115	1305
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	No	[386]	2000	INFORMS J. Comput.	12	No	1306
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	Yes	[59]	1999	Constraints An Int. J.	7	1027	1307
BelhadjiI98 BelhadjiI98	S. Belhadji, A. Isli	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	Yes	[53]	1998	Constraints An Int. J.	9	1024	1308

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NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[326]	1998	J. Heuristics	16	1101	1309
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[335]	1998	Constraints An Int. J.	25	1104	1310
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	[104]	1997	Constraints An Int. J.	20	1036	1311
FalaschiGMP97 FalaschiGMP97	M. Falaschi, M. Gabbrielli, K. Marriott, C. Palamidessi	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators	Yes	[133]	1997	Inf. Comput.	27	1041	1312
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[256]	1997	Artif. Intell. Eng.	15	1076	1313
Zhou97 Zhou97	J. Zhou	A Permutation-Based Approach for Solving the Job-Shop Problem	Yes	[459]	1997	Constraints An Int. J.	29	1141	1314
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[430]	1996	Constraints An Int. J.	30	1129	1315
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	1011	1316
Tay92 Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	No	[399]	1992	Comput. J.	null	No	1317
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[120]	1990	J. Log. Program.	19	1037	1318

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
AbohashimaEG21 [2]	14	scheduling, order, resource, setup-time, cmax, machine, transportation	parallel machine	cycle	Python	Gurobi			real-world, generated instance, github		875	1185
AbreuN22 [108]	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		860	1170
AggounB93 [6]	17	task, machine, precedence, order, job, activity, due-date, job-shop, flow-shop, resource, scheduling		circuit, bin-packing, dis-junctive, cumulative	Prolog	OPL, CHIP	perfect-square, rectangle-packing		real-world		1006	1316
AkramNHRSA23 [8]	16	resource, completion-time, preempt, scheduling, order, machine, task, distributed		cycle, bin-packing	Python	OR-Tools	medical, agriculture		benchmark		845	1155
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		846	1156
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, earliness, due-date	RCPSP	cycle, cumulative, disjunctive		OZ					989	1299
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, dis-junctive, cycle	C++	OZ, Gecode	robot	potash industry, mining industry, mineral industry	benchmark, real-world, real-life		887	1197
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				time-tabling, edge-finding, edge-finder	910	1220
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	edge-finding, edge-finder, energetic reasoning	990	1300
BartakCS10 [37]	31	resource, setup-time, task, job-shop, scheduling, machine, activity, flow-shop, order, job, precedence	RCPSP	disjunctive	Prolog	SICStus			benchmark, real-life, real-world		960	1270

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BartakS11 [38]	5	distributed, resource, scheduling, task, multi-agent, order		cumulative		OPL			random instance, in-world, real-life		948	1258
BartakSR10 [39]	31	scheduling, machine, preempt, activity, flow-shop, order, temporal constraint reasoning, completion-time, make-span, cmax, job, precedence, release-date, open-shop, distributed, tardiness, resource, task, lateness, job-shop, multi-agent, due-date	TCSP, single machine, Temporal Constraint Satisfaction Problem	cumulative, disjunctive		CPO, Choco Solver, OPL	robot		real-life, real-world	edge-finding, not-last, sweep, not-first	961	1271
Bedhief21 [45]	7	setup-time, preempt, no preempt, sequence dependent setup, due-date, transportation, flow-shop, scheduling, make-span, completion-time, machine, job, order, release-date, tardiness	single machine, parallel machine	noOverlap		OZ, OPL, Cplex	robot, medical		real-life		877	1187
BegB13 [46]	23	scheduling, re-scheduling, machine, resource, task, completion-time, order, distributed	TMS	cycle			pipeline		benchmark		940	1250
BeldiceanuCDP11 [50]	24	cmax, preempt, resource, task, order, scheduling		diffn, geost, disjunctive, cumulative, bin-packing	Prolog	SICStus, CHIP	rectangle-packing, perfect-square		benchmark	edge-finding, sweep, energetic reasoning	950	1260
BelhadjiI98 [53]	9	precedence, release-date, job-shop, order, job, scheduling, resource, task, machine, preempt, due-date	Temporal Constraint Satisfaction Problem, TCSP, JSSP	disjunctive					real-life		998	1308
BenediktMH20 [55]	19	preempt, order, job, re-scheduling, task, job-shop, scheduling, machine	single machine	noOverlap, end-BeforeStart		Gurobi	robot		github, benchmark, random instance, generated instance		889	1199
BeniniLMR11 [58]	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		951	1261
BensanaLV99 [59]	7	order		cycle		Cplex, Ilog Solver	satellite, earth observation		benchmark		997	1307
BonfiettiLBM14 [72]	28	buffer-capacity, scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, task, job-shop	RCPSP	circuit, cumulative, cycle		Ilog Solver	pipeline, hoist, robot, medical		real-world, generated instance, industrial instance, benchmark	time-tabling, sweep	936	1246
BorghesiBLMB18 [78]	13	job, re-scheduling, make-span, resource, distributed, activity, task, machine, scheduling, order		cumulative, cycle			super-computer		benchmark, real-life		911	1221

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BourreauGGLT22 [81]	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		861	1171
BridiBLMB16 [83]	14	re-scheduling, make-span, job, scheduling, resource, order, machine, activity, distributed, tardiness		cycle, cumulative, circuit		OZ	medical, super-computer		real-world, real-life		924	1234
Caballero23 [87]	1	resource, scheduling	RCPSP								847	1157
CampeauG22 [88]	18	task, order, activity, make-span, completion-time, precedence, resource, job, scheduling	RCPSP, RCPSPDC	alwaysIn, noOverlap, endBeforeStart, cumulative, cycle	Python	Cplex, OZ		mining industry	real-life, real-world	edge-finding	862	1172
ColT22 [100]	19	no preempt, tardiness, task, order, transportation, due-date, flow-shop, completion-time, distributed, preempt, scheduling, precedence, make-span, machine, batch process, resource, job, open-shop, job-shop, lateness, setup-time	single machine, PMSP, Open Shop Scheduling Problem, FJS, JSSP, OSSP, parallel machine	alldifferent, cumulative, noOverlap, circuit, disjunctive	Java, C++	MiniZinc, CPO, OR-Tools, Cplex, OPL	robot, semiconductor, oven scheduling		generated instance, supplementary material, github, real-life, benchmark, real-world		863	1173
CzerniachowskaWZ23 [102]	14	setup-time, transportation, flow-shop, machine, activity, order, completion-time, task, job, resource, job-shop, make-span, scheduling	PTC, JSSP, parallel machine	endBeforeStart, noOverlap		OPL, OZ, Cplex, CPO	automotive, robot	manufacturing industry, pharmaceutical industry, automotive industry	benchmark, Roadeff, real-world		848	1158
Darby-DowmanLMZ97 [104]	20	machine, scheduling, order, task, make-span, resource	MGAP, single machine	span constraint, disjunctive	Prolog	Cplex, ECLiPSe	pipeline, aircraft		real-life, real-world, benchmark		1001	1311
DincbasSH90 [120]	19	task, machine, job-shop, distributed, precedence, scheduling, resource, order, job		circuit, disjunctive	Prolog	CHIP, OPL			real-life		1008	1318
EscobetPQPRA19 [129]	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			899	1209
EvenSH15a [131]	16	preempt, distributed, transportation, resource, scheduling, completion-time, task, machine, order		disjunctive, cumulative	Java	Choco Solver, OPL			real-world, real-life	sweep	928	1238
FahimiOQ18 [132]	22	completion-time, resource, job, precedence, batch process, lazy clause generation, open-shop, scheduling, distributed, setup-time, task, order, lateness, job-shop, due-date, machine, preempt, make-span, sequence dependent setup	RCPSP, pspLib	cumulative, disjunctive, alldifferent		Choco Solver			benchmark, random instance	not-last, time-tabling, sweep, edge-finding, not-first	912	1222
FalaschiGMP97 [133]	27	order, scheduling			Prolog						1002	1312

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FanXG21 [135]	15	due-date, no preempt, preempt, tardiness, job, order, batch process, machine, task, earliness, completion-time, flow-shop, distributed, precedence, setup-time, resource, make-span, job-shop, scheduling, flow-time	single machine, parallel machine	cycle	Java, Python	OZ, ECLiPSe, Cplex, Gurobi	semiconductor	manufacturing industry	benchmark	max-flow	878	1188
FetgoD22 [138]	32	task, precedence, cmax, preempt, lazy clause generation, make-span, order, scheduling, resource, completion-time	CuSP, RCPSP	cumulative	Python, Java	OZ, CHIP, Choco Solver			benchmark, real-world	not-first, not-last, energetic reasoning, edge-finding, sweep, edge-finder, time-tabling	866	1176
GarridoAO09 [149]	30	re-scheduling, precedence, scheduling, make-span, resource, order, task		disjunctive	Java	CPO, OPL, Choco Solver			benchmark		967	1277
GarridoOS08 [150]	11	scheduling, make-span, resource, order, activity, task, machine			Java, C	Choco Solver, CPO			real-world		970	1280
GedikKEK18 [155]	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		913	1223
GoelSHFS15 [168]	12	precedence, resource, inventory, setup-time, scheduling, activity, task, order, transportation, machine		cumulative, noOverlap, disjunctive, alwaysIn		OPL, Cplex, CPO	pipeline				929	1239
GrimesIOS14 [176]	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		937	1247
GurEA19 [465]	24	order, distributed, resource, job-shop, scheduling, re-scheduling, job, completion-time				OZ, Cplex	patient, medical		real-life		900	1210
GurPAE23 [181]	25	re-scheduling, order, scheduling, distributed, resource, inventory, machine		cumulative		OPL, Cplex, OZ	physician, patient, COVID, nurse		real-life		849	1159
HachemiGR11 [182]	16	task, precedence, job-shop, transportation, make-span, scheduling, resource, order, job, activity		cycle, alldifferent		OPL, Ilog Scheduler, Cplex	crew-scheduling, forestry	food industry			952	1262

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Ham18 [183]	14	cmax, precedence, batch process, resource, completion-time, make-span, scheduling, machine, inventory, transportation, job-shop, job, distributed, sequence dependent setup, due-date, task, order	parallel machine	cumulative, noOverlap, endBeforeStart, disjunctive, cycle		Cplex, OPL	robot, aircraft, semiconductor				915	1225
HamPK21 [184]	12	distributed, precedence, cmax, setup-time, resource, make-span, job-shop, scheduling, sequence dependent setup, tardiness, re-scheduling, order, machine, task, job, completion-time, flow-shop scheduling, order, tardiness, flow-shop, job, make-span, task, completion-time, release-date, job-shop, resource, activity, precedence, earliness, machine, inventory, transportation, due-date, setup-time	parallel machine, single machine, FJS	noOverlap, endBeforeStart, cycle		OPL, Cplex	robot, agriculture, semiconductor		benchmark, github		879	1189
HauderBRPA19 [186]	62	scheduling, order, tardiness, flow-shop, job, make-span, task, completion-time, release-date, job-shop, resource, activity, precedence, earliness, machine, inventory, transportation, due-date, setup-time	RCPSP, FJS	cycle, endBeforeStart, cumulative		Cplex, OPL, OZ	aircraft	food-processing industry, steel industry	real-world, benchmark, industry partner		901	1211
HeinzNVH22 [196]	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		867	1177
HeinzSB13 [195]	36	preempt, due-date, resource, scheduling, precedence, order, completion-time, machine, job, release-date	RCPSP, single machine, psplib	disjunctive, cumulative		MiniZinc, Cplex	satellite		benchmark	time-tabling, edge-finding	941	1251
HeinzSSW12 [193]	12	inventory, task, order		bin-packing		Cplex	steel mill	steel industry, process industry	real-world, CSPLib		943	1253
HeipckeCCS00 [198]	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		991	1301
Hooker05 [205]	17	machine, job, task, precedence, release-date, due-date, make-span, order, tardiness, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance	edge-finding	979	1289
Hooker06 [207]	19	machine, job, task, precedence, release-date, due-date, make-span, order, tardiness, scheduling, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		975	1285
HubnerGSV21 [211]	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		880	1190

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
IsikYA23 [213]	28	tardiness, scheduling, machine, distributed, job, resource, completion-time, flow-shop, batch process, setup-time, job-shop, release-date, due-date, task, precedence, transportation, earliness, order, cmax, sequence dependent setup, preempt, make-span	parallel machine, single machine	circuit, noOverlap, cumulative, endBeforeStart		OPL, Cplex, OZ	medical, robot	steel industry	real-world, benchmark, generated instance, real-life	energetic reasoning	850	1160
Kameugne15 [220]	2	resource, scheduling, task, preempt, completion-time		cumulative						not-last, edge-finding, not-first	930	1240
KameugneFSN14 [224]	27	job-shop, release-date, resource, precedence, job, order, preempt, scheduling, make-span, completion-time, task	RCPSP, psplib, CuSP	disjunctive, cumulative		CHIP, Gecode			random instance, benchmark	energetic reasoning, edge-finding, not-last, not-first, edge-finder, time-tabling	938	1248
KelbelH11 [227]	10	release-date, inventory, earliness, due-date, preempt, job-shop, resource, scheduling, make-span, distributed, task, precedence, order, completion-time, machine, tardiness, job	JSSP	cumulative, disjunctive		Ilog Solver, OPL, Cplex			benchmark, random instance, generated instance	edge-finder, edge-finding	953	1263
KhayatLR06 [229]	15	job-shop, due-date, scheduling, preempt, task, order, machine, activity, make-span, cmax, job, precedence, resource, setup-time				OPL, Cplex			real-life, benchmark		976	1286
KoehlerBFFHPSSS21 [234]	51	flow-shop, scheduling, lateness, job, task, make-span, machine, tardiness, precedence, resource, job-shop, flow-time, order	CTW, single machine	cycle, circuit, cumulative, disjunctive, alldifferent	C , Python	Z3, MiniZinc, OPL, Cplex, Gurobi, OR-Tools, Chuffed	cable tree, automotive, robot		real-world, benchmark, github		881	1191
KorbaaYG00 [236]	10										992	1302
KovacsB08 [238]	7	order, tardiness, job, activity, preempt, release-date, resource, scheduling, completion-time, machine	single machine	bin-packing, disjunctive, cumulative, cycle		Ilog Scheduler, Ilog Solver	aircraft		benchmark	sweep	971	1281
KovacsB11 [239]	24	flow-time, precedence, order, tardiness, job, activity, preempt, release-date, earliness, distributed, due-date, job-shop, flow-shop, resource, scheduling, make-span, completion-time, machine	parallel machine, single machine	disjunctive, cumulative, cycle	C++	Ilog Scheduler, Ilog Solver			benchmark	edge-finding	954	1264



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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KovacsK11 [241]	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					955	1265
KreterSS17 [246]	31	scheduling, task, order, machine, preempt, activity, make-span, completion-time, precedence, resource, lazy clause generation	RCPSP, parallel machine	cycle, alwaysIn, cumulative, diffn		CPO, Cplex, MiniZinc, CHIP, Chuffed			benchmark	edge-finding	921	1231
KuchcinskiW03 [247]	15	scheduling, precedence, resource, distributed, order		cycle, circuit	Java		pipeline		benchmark		983	1293
LaborieRSV18 [252]	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	edge-finding	916	1226
LacknerMMWW23 [254]	42	release-date, batch process, setup-time, job, order, due-date, tardiness, scheduling, make-span, machine, task, lateness, job-shop, earliness	parallel machine, OSP, single machine	alternative constraint, disjunctive, bin-packing, noOverlap, cumulative, endBeforeStart		Chuffed, Cplex, OPL, CPO, OR-Tools, MiniZinc, Gurobi	semiconductor, oven scheduling	electronics industry, steel industry, manufacturing industry	random instance, industrial partner, benchmark, instance generator, zenodo, real-life	time-tabling	851	1161
LammaMM97 [256]	15	job-shop, resource, scheduling, precedence, order, task, job, distributed		circuit, disjunctive	C++, Prolog	ECLiPSe, OPL, CHIP	railway		real-life		1003	1313
LetortCB15 [261]	52	machine, make-span, job, precedence, resource, scheduling, task, order	psplib	cumulative, cycle, bin-packing	Java, Prolog	Choco Solver, CHIP, SICStus			generated instance, RoadeF, benchmark, random instance	energetic reasoning, sweep, edge-finding	931	1241
LiessM08 [263]	12	preempt, resource, scheduling, machine, job, activity, precedence, job-shop, task, make-span, order, cmax	RCPSP, psplib	disjunctive, cumulative	C++	OZ			benchmark	edge-finding	972	1282
LimtanyakulS12 [268]	32	release-date, scheduling, order, completion-time, job, resource, activity, tardiness, machine, due-date, precedence		table constraint, disjunctive, bin-packing, cumulative		OZ, Ilog Scheduler, Cplex	robot, automotive	automotive industry	random instance, real-life, generated instance, industrial partner, benchmark	not-last, energetic reasoning, not-first, edge-finding	944	1254
LombardiM10a [275]	30	due-date, distributed, order, job, make-span, release-date, re-scheduling, task, completion-time, resource, activity, precedence, preempt, scheduling, machine	TCSP	cycle, span constraint, cumulative, disjunctive, table constraint	C	Cplex			real-world, benchmark, real-life	sweep	962	1272

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LombardiM12 [278]	35	precedence, flow-shop, job-shop, transportation, completion-time, re-scheduling, make-span, sequence dependent setup, order, setup-time, job, activity, earliness, scheduling, due-date, resource, task, machine, inventory, preempt, distributed, manpower, lazy clause generation, tardiness	parallel machine, RCPSP, psplib	cycle, disjunctive, cumulative, circuit		OZ, OR-Tools	aircraft	chemical industry	real-world, benchmark	energetic reasoning, edge-finding	945	1255
LombardiM12a [277]	10	order, make-span, completion-time, resource, activity, precedence, producer/consumer, scheduling distributed, stock level,	psplib, RCPSP	disjunctive		Ilog Solver			benchmark		946	1256
LopesCSM10 [280]	39	distributed, resource, inventory, job-shop, due-date, scheduling, activity, task, order, transportation, make-span, job, precedence, re-scheduling		disjunctive, table constraint, cycle, alldifferent	C++	Ilog Scheduler, Ilog Solver, OZ, OPL	pipeline	oil industry	benchmark, real-world	max-flow	963	1273
LopezAKYG00 [281]	4										993	1303
LunardiBLRV20 [283]	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		891	1201
MartinPY01 [293]	17	scheduling, task, order, machine, transportation, re-scheduling, resource		circuit	Prolog	ECLiPSe, Ilog Solver	railway, aircraft		real-life		987	1297
Mason01 [294]	38	scheduling, order, task, activity, transportation				OPL, Cplex	railway, crew-scheduling, nurse				988	1298
MengZRZL20 [297]	13	earliness, job-shop, scheduling, machine, preempt, sequence dependent setup, flow-time, flow-shop, order, completion-time, transportation, make-span, cmax, job, precedence, batch process, open-shop, distributed, tardiness, resource, no preempt, setup-time, task	Open Shop Scheduling Problem, OSP, parallel machine, FJS	alternative constraint, noOverlap, endBeforeStart		OPL, Gecode, Gurobi, OR-Tools, Cplex	robot, semi-conductor		supplementary material, benchmark		892	1202
MontemanniD23 [304]	13	resource, distributed, order, scheduling, machine, task		circuit	Python	OPL, OR-Tools, Gurobi	robot		benchmark, supplementary material		852	1162
MontemanniD23a [303]	20	order, completion-time, task, transportation, scheduling		circuit	Python	OR-Tools			benchmark		853	1163

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MullerMKP22 [308]	18	precedence, job-shop, batch process, scheduling, completion-time, make-span, order, setup-time, job, activity, due-date, resource, task, machine, preempt, cmax	FJS	disjunctive, circuit	Java, Python	Chuffed, MiniZinc, OZ, Gecode, Choco Solver, OPL, Cplex, OR-Tools	robot, semiconductor		benchmark, random instance, real-world, github		868	1178
NaderiRR23 [312]	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		854	1164
NattafAL15 [313]	21	resource, release-date, due-date, scheduling, preempt, task, order, activity, make-span	CECSP, CuSP, RCPSp	cumulative	C++	Cplex			generated instance	sweep, energetic reasoning	932	1242
NattafAL17 [314]	18	resource, release-date, scheduling, task, order, activity, make-span, job	CECSP	disjunctive, cumulative	C++	Cplex			real-world	edge-finding, energetic reasoning	922	1232
NishikawaSTT19 [319]	16	re-scheduling, make-span, order, preempt, resource, activity, task, distributed, machine, precedence, scheduling	parallel machine	cumulative, alternative constraint		Cplex, OZ	pipeline, robot		real-world, benchmark		902	1212
NovaraNH16 [320]	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		926	1236
Novas19 [321]	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		903	1213
NovasH10 [322]	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				964	1274

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
NovasH12 [323]	17	precedence, make-span, transportation, order, scheduling, resource, completion-time, machine, job, task, activity		cycle		Ilog Solver, OZ, OPL, Ilog Scheduler	semiconductor robot, hoist, electroplating, container terminal				947	1257
NovasH14 [324]	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		939	1249
NuijtenP98 [326]	16	resource, setup-time, job-shop, scheduling, preempt, manpower, flow-shop, task, order, completion-time, transportation, machine, make-span, job, precedence	JSSP, single machine	disjunctive	C++	Ilog Solver, Ilog Scheduler, OPL	satellite		real-life	edge-finding	999	1309
OzturkTHO13 [332]	36	order, setup-time, job, activity, scheduling, completion-time, resource, task, machine, preempt, cmax, precedence, flow-shop, make-span	SBSFMMAL	cycle, disjunctive, cumulative		OPL, Cplex, CHIP, Ilog Solver, OZ			real-world, real-life	edge-finding	942	1252
PandeyS21a [333]	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		882	1192
PapaB98 [335]	25	due-date, preempt, machine, re-scheduling, job, activity, order, task, make-span, completion-time, scheduling, flow-shop, distributed, cmax, setup-time, resource, job-shop	PJSSP, JSSP	cumulative, table constraint, disjunctive	C++	Ilog Solver, CHIP, Claire	hoist		benchmark	edge-finder, energetic reasoning, edge-finding	1000	1310
PoderBS04 [343]	16	preempt, due-date, resource, scheduling, precedence, order, task, machine, activity, producer/consumer, release-date	RCPSP	cumulative	Prolog	CHIP		chemical industry			982	1292
PohlAK22 [344]	16	resource, activity, completion-time, setup-time, lateness, release-date, precedence, transportation, earliness, order, sequence dependent setup, re-scheduling, tardiness, inventory, scheduling, machine, job	SCC, single machine	noOverlap, cumulative	Python	Gurobi, Cplex, OZ	aircraft		benchmark, real-world		869	1179
PourDERB18 [347]	12	scheduling, task, order, machine, transportation, job				Cplex, OR-Tools	crew-scheduling, railway		real-life, benchmark, real-world, generated instance		917	1227

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
PrataAN23 [351]	17	machine, tardiness, job, lateness, activity, re-scheduling, flow-time, setup-time, release-date, inventory, earliness, sequence dependent setup, distributed, due-date, preempt, job-shop, batch process, flow-shop, resource, scheduling, make-span, open-shop, completion-time, task, precedence, order	single machine, parallel machine, Open Shop Scheduling Problem	circuit, cumulative		OZ, CHIP	robot, aircraft, energy-price, dairy	manufacturing industry	benchmark, real-world, real-life	time-tabling	842	1152
QinDCS20 [354]	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		895	1205
QinWSLS21 [353]	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				883	1193
RuggieroBBMA09 [361]	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		968	1278
SacramentoSP20 [362]	33	preempt, distributed, machine, precedence, task, flow-shop, job-shop, open-shop, transportation, scheduling, order, completion-time, job, resource, make-span, activity	parallel machine, Open Shop Scheduling Problem	disjunctive, cumulative, alternative constraint, end-BeforeStart, noOverlap	Java	Cplex, OZ, CPO	container terminal		benchmark, real-life, zenodo, real-world		896	1206
SakkoutW00 [365]	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	edge-finding, edge-finder	994	1304
SchausHMCMD11 [366]	23	order, task	SCC	bin-packing			steel mill	steel industry	benchmark, CSPlib, generated instance		956	1266
SchildW00 [367]	23	distributed, job-shop, flow-shop, resource, scheduling, completion-time, task, machine, precedence, order, job	single machine	disjunctive, cycle, bin-packing		OZ, Ilog Solver	automotive	automotive industry, aerospace industry		time-tabling, edge-finding	995	1305
SchuttFSW11 [372]	33	scheduling, completion-time, resource, open-shop, order, task, machine, preempt, activity, lazy clause generation, precedence, make-span	psplib, RCPSP	disjunctive, cumulative, circuit, span constraint		Ilog Scheduler, ECLiPSe, CHIP, SICStus, OZ			benchmark, real-world	not-last, not-first, edge-finding, edge-finder	957	1267
ShinBBHO18 [378]	16	scheduling, task, order, machine, preempt, activity, transportation, resource, inventory, job					patient, physician, medical, nurse		github, real-world		918	1228
Siala15 [379]	2	resource, scheduling		disjunctive					benchmark		933	1243

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SimoninAHL15 [382]	23	resource, activity, precedence, preempt, scheduling, order, inventory, transportation, task, make-span		disjunctive, span constraint, cumulative, cycle		CHIP	earth observation, satellite, pipeline, robot			sweep	934	1244
Simonis07 [384]	30	due-date, job-shop, batch process, transportation, resource, scheduling, make to order, task, machine, producer/consumer, order, bill of material, job, activity, re-scheduling, setup-time, release-date, sequence dependent setup		disjunctive, cumulative, alldifferent, cycle, diffn, bin-packing	Prolog	OZ, OPL, CHIP, Ilog Scheduler	aircraft, patient, nurse, medical			time-tabling, sweep, bi-partite matching	974	1284
SubulanC22 [388]	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		871	1181
TangLWSK18 [395]	28	scheduling, task, order, preempt, activity, job, transportation, re-scheduling, resource	RCPSP	cycle, circuit	C	Cplex, OZ, OPL	crew-scheduling, railway, pipeline				919	1229
Timpe02 [404]	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			986	1296
TopalogluO11 [406]	10	order, re-scheduling, task, distributed, transportation, preempt, scheduling				Cplex, OPL, OZ, Ilog Solver	nurse, medical, physician, patient		real-life	time-tabling	958	1268
TrojetHL11 [409]	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		959	1269
Tsang03 [410]	2	resource, scheduling							real-life	time-tabling	984	1294
VilimBC05 [426]	23	setup-time, sequence dependent setup, distributed, job-shop, batch process, resource, scheduling, make-span, open-shop, completion-time, task, machine, precedence, order, job, activity		disjunctive, cumulative, cycle					benchmark, real-life	not-first, sweep, edge-finding, not-last	980	1290
VlkHT21 [429]	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		884	1194
Wallace96 [430]	30	job-shop, transportation, distributed, task, resource, scheduling, multi-agent, order, machine, job, activity		circuit, disjunctive, cycle	Prolog, Lisp	CHIP, Ilog Solver, ECLiPSe, OZ, OPL	automotive, aircraft, railway, robot	process industry, automotive industry		time-tabling	1005	1315

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
WallaceY20 [431]	19	scheduling, machine, flow-shop, order, transportation, job, lazy clause generation, resource, task, job-shop	CHSP	circuit, cumulative, disjunctive, cycle		Chuffed, OPL, Gecode, Gurobi, Cplex, MiniZinc	robot, hoist, electroplating, yard crane, container terminal		random instance, real-life, real-world, benchmark	edge-finding, time-tabling	897	1207
WangMD15 [434]	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	time-tabling	935	1245
WikarekS19 [437]	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				904	1214
YounespourAKE19 [445]	11	precedence, re-scheduling, resource, inventory, order, scheduling, completion-time, cmax, activity, make-span, distributed, machine		noOverlap, alternative constraint, span constraint, cumulative		OPL, Z3	nurse, medical, patient		real-life, real-world		905	1215
YuraszeckMCCR23 [450]	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, world, benchmark		856	1166
YuraszeckMPV22 [449]	26	completion-time, sequence dependent setup, resource, setup-time, task, distributed, open-shop, machine, due-date, transportation, flow-shop, flow-time, job-shop, scheduling, order, job, re-scheduling, make-span, release-date	Open Shop Scheduling Problem, OSSP, single machine, JSSP	noOverlap, disjunctive	Java	Cplex	semiconductor, automotive, robot	manufacturing industry	generated instance, github, benchmark, real-life		873	1183
ZarandiKS16 [451]	17	make-span, job, scheduling, completion-time, resource, order, task, machine, preempt, earliness, distributed, due-date, tardiness, flow-shop, job-shop, transportation	single machine			Ilog Solver	robot		real-world	time-tabling	927	1237
ZeballosH05 [452]	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				981	1291
ZeballosQH10 [453]	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		965	1275

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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ZhangW18 [456]	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		920	1230
ZhangYW21 [455]	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		885	1195
Zhou97 [459]	29	release-date, job-shop, due-date, task, order, preempt, scheduling, precedence, completion-time, job, machine		cumulative, disjunctive	Prolog	CHIP, Ilog Scheduler, Z3			benchmark	edge-finding, edge-finder	1004	1314
abs-0907-0939 [341]	12	resource, order, activity, due-date, preempt, scheduling, make-span, release-date, task		cumulative	Java	Choco Solver, CHIP			real-world	sweep, energetic reasoning, edge-finding	969	1279
abs-1901-07914 [48]	8	multi-agent, scheduling, order, resource, make-span, distributed, machine, task			Python	OZ, MiniZinc, OR-Tools	robot		benchmark, real-world, github		906	1216
abs-1902-01193 [9]	9	order, resource, activity, BOM, task, scheduling			C++, Prolog, Python	Ilog Solver, CHIP, OPL	medical, nurse			time-tabling	907	1217
abs-1902-09244 [187]	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		908	1218
abs-1911-04766 [157]	16	release-date, scheduling, order, completion-time, job, re-scheduling, resource, make-span, activity, due-date, precedence, task	RCPSP	noOverlap, disjunctive, cumulative, alternative constraint, endBeforeStart	Java	OZ, MiniZinc, CPO, Chuffed, Gecode, Cplex	automotive		real-world, generated instance, industrial partner, github, benchmark, instance generator, real-life	time-tabling	909	1219
abs-2211-14492 [389]	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		874	1184



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

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
abs-2305-19888 [197]	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		857	1167
abs-2306-05747 [398]	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		858	1168
abs-2312-13682 [339]	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		859	1169
abs-2402-00459 [316]	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		843	1153

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
PrataAN23 PrataAN23 [351]	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	-	benchmark, real-world, real-life	1	-		-	-	survey	-	842	1108
abs-2402-00459 abs-2402-00459 [316]	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	OR-Tools	instance generator, real-world, generated instance, github, benchmark	2	y		n	-	RCJS	cumulatives	843	1151
AbreuNP23 AbreuNP23 [109]	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	?		0	?		?	?	?	?	844	No
AkramNHRSA23 AkramNHRSA23 [8]	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming	OR-Tools	benchmark	0	n		n	-	TSN	-	845	1012
AlfieriGPS23 AlfieriGPS23 [10]	Permutation flowshop problems minimizing core waiting time and core idle time		benchmark	0							846	1013
Caballero23 Caballero23 [87]	Scheduling through logic-based tools	SAT		1	-		-	PhD Thesis	RCPSP	-	847	1032
CzerniachowskaWZ23 CzerniachowskaWZ23 [102]	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations		benchmark, Roadef, real-world	0							848	1035
GurPAE23 GurPAE23 [181]	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Cplex	real-life	0	n		n	-	-	-	849	1050
IsikYA23 IsikYA23 [213]	Constraint programming models for the hybrid flow shop scheduling problem and its extensions	OPL CP Opt	real-world, benchmark, generated instance, real-life	4	y		y	-	HFSP	alternative endBeforeStart noOverlap cumulative	850	1062
LacknerMMWW23 LacknerMMWW23 [254]	Exact methods for the Oven Scheduling Problem	MiniZinc OPL	random instance, industrial partner, benchmark, instance generator, zenodo, real-life	0	DZN JSON		y	[253]	OSP	alternative noOverlap forbidExtent	851	1075
MontemanniD23 MontemanniD23 [304]	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	OR-Tools	benchmark, supplementary material	6	ref	y	n	-	PDSTSP	circuit	852	1089
MontemanniD23a MontemanniD23a [303]	Constraint programming models for the parallel drone scheduling vehicle routing problem	OR-Tools	benchmark	0	ref		n	-	PDSTSP	circuit multipleCircuit	853	1090
NaderiRR23 NaderiRR23 [312]	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook		github, benchmark	8							854	1092
ShaikhK23 ShaikhK23 [376]	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	?		0	?		?	?	?	?	855	No
YuraszeckMCCR23 YuraszeckMCCR23 [450]	A Constraint Programming Formulation of the Multi-Mode Resource-Constrained Project Scheduling Problem for the Flexible Job Shop Scheduling Problem	CP Opt	github, real-world, benchmark	0	ref		n	-	FJSSP	alternative endBeforeStart cumulative	856	1134
abs-2305-19888 abs-2305-19888 [197]	Constraint Programming and Constructive Heuristics for Parallel Machine Scheduling with Sequence-Dependent Setups and Common Servers	CP Opt Gurobi	real-world, generated instance, gitlab, benchmark	1	y	y	n	-	$P seq, ser C_{max}$	alternative noOverlap cumulative	857	1148

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
abs-2306-05747 abs-2306-05747 [398]	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	custom Choco	real-world, supplementary material, github, industrial instance, benchmark	0	ref		n	-	JSSP	noOverlap	858	1149
abs-2312-13682 abs-2312-13682 [339]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	859	1150
AbreuN22 AbreuN22 [108]	A new hybridization of adaptive large neighborhood search with constraint programming for open shop scheduling with sequence-dependent setup times	Cplex CP Opt	real-world, benchmark	0	y		n	-	OSSPST	noOverlap	860	1010
BourreauGGLT22 BourreauGGLT22 [81]	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)		real-world, benchmark	2							861	1030
CampeauG22 CampeauG22 [88]	Short- and medium-term optimization of underground mine planning using constraint programming	CP Opt	real-life, real-world	0	ref		n			pulse alwaysIn endBeforeStart noOverlap	862	1033
ColT22 ColT22 [100]	Industrial-size job shop scheduling with constraint programming		generated instance, supplementary material, github, real-life, benchmark, real-world	4							863	1034
FarsiTM22 FarsiTM22 [136]	Integrated surgery scheduling by constraint programming and meta-heuristics			0							864	No
Fatemi-AnarakiMFN22 Fatemi-AnarakiMFN22 [137]	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches			0							865	No
FetgoD22 FetgoD22 [138]	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited		benchmark, real-world	7							866	1043
HeinzNVH22 HeinzNVH22 [196]	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers		real-world, generated instance, benchmark, gitlab	3							867	1055
MullerMKP22 MullerMKP22 [308]	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning		benchmark, random instance, real-world, github	3							868	1091
PohlAK22 PohlAK22 [344]	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach		benchmark, real-world	2							869	1106
ShiYXQ22 ShiYXQ22 [377]	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach			0							870	No
SubulanC22 SubulanC22 [388]	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem		real-life, benchmark, real-world	2							871	1121

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
YunusogluY22 YunusogluY22 [447]	Constraint programming approach for multi-resource-constrained unrelated parallel machine scheduling problem with sequence-dependent setup times			0							872	No
YuraszeckMPV22 YuraszeckMPV22 [449]	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem		generated instance, github, benchmark, real-life	5							873	1135
abs-2211-14492 abs-2211-14492 [389]	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling		benchmark, random instance, generated instance	1							874	1147
AbohashimaEG21 AbohashimaEG21 [2]	A Mathematical Programming Model and a Firefly-Based Heuristic for Real-Time Traffic Signal Scheduling With Physical Constraints		real-world, generated instance, github	0							875	1009
AbreuAPNM21 AbreuAPNM21 [107]	A new variable neighbourhood search with a constraint programming search strategy for the open shop scheduling problem with operation repetitions			0							876	No
Bedhief21 Bedhief21 [45]	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines		real-life	0							877	1021
FanXG21 FanXG21 [135]	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints		benchmark	0							878	1042
HamPK21 HamPK21 [184]	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming		benchmark, github	4							879	1053
HubnerGSV21 HubnerGSV21 [211]	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics		benchmark, real-life	4							880	1061
KoehlerBFFHPSSS21 KoehlerBFFH-PSSS21 [234]	Cable tree wiring - benchmarking solvers on a real-world scheduling problem with a variety of precedence constraints	CP Opt OR-Tools Chuffed Cplex Gurobi Z3 OptiMathSat	real-world, benchmark, github	9	DZN		y	-	CTW	alldifferent inverse	881	1067
PandeyS21a PandeyS21a [333]	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization		benchmark	1							882	1103
QinWSLS21 QinWSLS21 [353]	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint			0							883	1110
VlkHT21 VlkHT21 [429]	Constraint programming approaches to joint routing and scheduling in time-sensitive networks		industrial partner, random instance, github, benchmark	0							884	1128
ZhangYW21 ZhangYW21 [455]	A graph-based constraint programming approach for the integrated process planning and scheduling problem		benchmark	0							885	1140

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
AlizdehS20 AlizdehS20 [11]	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming			0							886	No
AstrandJZ20 AstrandJZ20 [24]	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search		benchmark, real-world, real-life	0							887	1015
BadicaBI20 BadicaBI20 [25]	Block structured scheduling using constraint logic programming			0							888	No
BenediktMH20 BenediktMH20 [55]	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	CP Opt Gurobi	github, benchmark, random instance, generated instance	4	JSON		y				889	1025
FallahiAC20 FallahiAC20 [134]	Tabu search and constraint programming-based approach for a real scheduling and routing problem			0							890	No
LunardiBLRV20 LunardiBLRV20 [283]	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem		benchmark, random instance, generated instance, github	1							891	1085
MengZRZL20 MengZRZL20 [297]	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem		supplementary material, benchmark	0							892	1088
MokhtarzadehTNF20 MokhtarzadehTNF20 [300]	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach			0							893	No
Polo-MejiaALB20 Polo-MejiaALB20 [345]	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility			0							894	No
QinDCS20 QinDCS20 [354]	Combining mixed integer programming and constraint programming to solve the integrated scheduling problem of container handling operations of a single vessel		real-life, benchmark	0							895	1109
SacramentoSP20 SacramentoSP20 [362]	Constraint Programming and Local Search Heuristic: a Matheuristic Approach for Routing and Scheduling Feeder Vessels in Multi-terminal Ports		benchmark, real-life, zenodo, real-world	4							896	1112
WallaceY20 WallaceY20 [431]	A new constraint programming model and solving for the cyclic hoist scheduling problem	MiniZinc	random instance, real-life, real-world, benchmark	2	DZN		y		CHSP		897	1130
ZouZ20 ZouZ20 [464]	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic			0							898	No
EscobetPQPRA19 EscobetPQPRA19 [129]	Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach			1							899	1038
GurEA19 GurEA19 [465]	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study		real-life	11							900	1049
HauderBRPA19 HauderBRPA19 [186]	On constraint programming for a new flexible project scheduling problem with resource constraints		real-world, benchmark, industry partner	0							901	1054
NishikawaSTT19 NishikawaSTT19 [319]	A Constraint Programming Approach to Scheduling of Malleable Tasks		real-world, benchmark	0							902	1095

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
Novas19 Novas19 [321]	Production scheduling and lot streaming at flexible job-shops environments using constraint programming		benchmark	0							903	1097
WikarekS19 WikarekS19 [437]	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems			0							904	1132
YounespourAKE19 YounespourAKE19 [445]	Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy		real-life, real-world	6							905	1133
abs-1901-07914 abs-1901-07914 [48]	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks		benchmark, real-world, github	0							906	1143
abs-1902-01193 abs-1902-01193 [9]	Solving Nurse Scheduling Problem Using Constraint Programming Technique			0							907	1144
abs-1902-09244 abs-1902-09244 [187]	On constraint programming for a new flexible project scheduling problem with resource constraints		benchmark, industry partner, real-world	0							908	1145
abs-1911-04766 abs-1911-04766 [157]	Investigating Constraint Programming and Hybrid Methods for Real World Industrial Test Laboratory Scheduling		real-world, generated instance, industrial partner, github, benchmark, instance generator, real-life	10							909	1146
BaptisteB18 BaptisteB18 [28]	Redundant cumulative constraints to compute preemptive bounds			1							910	1016
BorghesiBLMB18 BorghesiBLMB18 [78]	Scheduling-based power capping in high performance computing systems		benchmark, real-life	3							911	1029
FahimiOQ18 FahimiOQ18 [132]	Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last	Choco	benchmark, random instance	0	(y)		n		RCPSP	disjunctive cumulative	912	1040
GedikKEK18 GedikKEK18 [155]	A constraint programming approach for solving unrelated parallel machine scheduling problem		benchmark	9							913	1046
GokgurHO18 GokgurHO18 [169]	Parallel machine scheduling with tool loading: a constraint programming approach			0							914	No
Ham18 Ham18 [183]	Integrated scheduling of m-truck, m-drone, and m-depot constrained by time-window, drop-pickup, and m-visit using constraint programming			7							915	1052
LaborieRSV18 LaborieRSV18 [252]	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	OP Opt	real-world, CSPLib, benchmark	3	-		-	-	-	-	916	1074
PourDERB18 PourDERB18 [347]	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem		real-life, benchmark, real-world, generated instance	1							917	1107
ShinBBHO18 ShinBBHO18 [378]	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling		github, real-world	4							918	1117
TangLWSK18 TangLWSK18 [395]	Scheduling Optimization of Linear Schedule with Constraint Programming			0							919	1122

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
ZhangW18 ZhangW18 [456]	Flexible Assembly Job-Shop Scheduling With Sequence-Dependent Setup Times and Part Sharing in a Dynamic Environment: Constraint Programming Model, Mixed-Integer Programming Model, and Dispatching Rules		benchmark	0							920	1139
KreterSS17 KreterSS17 [246]	Using constraint programming for solving RCPSP/max-cal	MiniZinc Chuffed Cplex	benchmark	5	dead			[245]	RCPSP	cumulative cumulativeCalend.	921	1072
NattafAL17 NattafAL17 [314]	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Cplex	real-world	2	n		n	-	CECSP	-	922	1094
Bonfietti16 Bonfietti16 [69]	A constraint programming scheduling solver for the MPOpt programming environment			0							923	No
BridiBLMB16 BridiBLMB16 [83]	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines		real-world, real-life	0							924	1031
DoulabiRP16 DoulabiRP16 [123]	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling			0							925	No
NovaraNH16 NovaraNH16 [320]	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation		CSPlib, bench- mark	5							926	1096
ZarandiKS16 ZarandiKS16 [451]	A constraint programming model for the scheduling of JIT cross-docking systems with preemption		real-world	0							927	1136
EvenSH15a EvenSH15a [131]	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling		real-world, real-life	2							928	1039
GoelSHFS15 GoelSHFS15 [168]	Constraint programming for LNG ship scheduling and inventory management			0							929	1047
Kameugne15 Kameugne15 [220]	Propagation techniques of resource constraint for cumulative scheduling	-		2	-		-	PhDThesis	RCPSP		930	1063
LetortCB15 LetortCB15 [261]	Synchronized sweep algorithms for scalable scheduling constraints	Choco SICStus	generated in- stance, Roade- f, bench- mark, ran- dom instance	4	dead		-	[260]	-	cumulative dimCumulativePr	931	1077
NattafAL15 NattafAL15 [313]	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Cplex	generated in- stance	1	n		n		CSCSP		932	1093
Siala15 Siala15 [379]	Search, propagation, and learning in sequencing and scheduling problems	-	benchmark	2	-		-	PhD Thesis			933	1118
SimoninAHL15 SimoninAHL15 [382]	Scheduling scientific experiments for comet exploration	MOST Ilog Scheduler		0	n		n	[381]		cumulative dataTransfer	934	1119
WangMD15 WangMD15 [434]	Scheduling operating theatres: Mixed integer programming vs. constraint programming		real-life, real-world	2							935	1131
BonfiettiLBM14 BonfiettiLBM14 [72]	CROSS cyclic resource-constrained scheduling solver		real-world, generated instance, industrial instance, benchmark	0							936	1028
GrimesIOS14 GrimesIOS14 [176]	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling		real-world, real-life	9							937	1048
KameugneFSN14 KameugneFSN14 [224]	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Gecode	random in- stance, bench- mark	2	y			[223]	CuSP	cumulative	938	1064

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
NovasH14 NovasH14 [324]	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming		benchmark	0							939	1100
BegB13 BegB13 [46]	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures		benchmark	0							940	1022
HeinzSB13 HeinzSB13 [195]	Using dual presolving reductions to reformulate cumulative constraints	Cplex SCIP	benchmark	1	ref		-	-	RCPSP RCPSP/max	cumulative	941	1056
OzturkTHO13 OzturkTHO13 [332]	Balancing and scheduling of flexible mixed model assembly lines	Ilog Solver Ilog Scheduler Cplex	real-world, real-life	2	y		-	-	SBSFMMAL	alddifferent disjunctive	942	1102
HeinzSSW12 HeinzSSW12 [193]	Solving steel mill slab design problems		real-world, CSPLib	2	Cplex		dead	-	SMSDP	-	943	1057
LimtanyakulS12 LimtanyakulS12 [268]	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Cplex Ilog Scheduler	random instance, real-life, generated instance, industrial partner, benchmark	1	dead		-	-			944	1079
LombardiM12 LombardiM12 [278]	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	-	real-world, benchmark	0	-		-	-	survey	-	945	1081
LombardiM12a LombardiM12a [277]	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling		benchmark	1							946	1082
NovasH12 NovasH12 [323]	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations			0							947	1099
BartakS11 BartakS11 [38]	Constraint satisfaction for planning and scheduling problems	-	random instance, real-world, real-life	2	-		-		survey		948	1019
BeckFW11 BeckFW11 [44]	Combining Constraint Programming and Local Search for Job-Shop Scheduling			0							949	No
BeldiceanuCDP11 BeldiceanuCDP11 [50]	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles		benchmark	1							950	1023
BeniniLMR11 BeniniLMR11 [58]	Optimal resource allocation and scheduling for the CELL BE platform		benchmark, real-world, instance generator	0							951	1026
HachemiGR11 HachemiGR11 [182]	A hybrid constraint programming approach to the log-truck scheduling problem			1							952	1051
KelbelH11 KelbelH11 [227]	Solving production scheduling with earliness/tardiness penalties by constraint programming		benchmark, random instance, generated instance	3							953	1065
KovacsB11 KovacsB11 [239]	A global constraint for total weighted completion time for unary resources	Ilog Scheduler	benchmark	2	n		n	-		Completion	954	1070
KovacsK11 KovacsK11 [241]	Constraint programming approach to a bilevel scheduling problem	Ilog Solver		2	n		n	-	Bilevel Opt		955	1071
SchausHMCMD11 SchausHMCMD11 [366]	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Comet	benchmark, CSPLib, generated instance	3	dead				SMSDP		956	1114
SchuttFSW11 SchuttFSW11 [372]	Explaining the cumulative propagator	MiniZinc	benchmark, real-world	7	PSPLib		-	-	RCPSP	cumulative	957	1116
TopalogluO11 TopalogluO11 [406]	A constraint programming-based solution approach for medical resident scheduling problems		real-life	2							958	1124



Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
TrojetHL11 TrojetHL11 [409]	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework		real-world	2							959	1125
BartakCS10 BartakCS10 [37]	Discovering implied constraints in precedence graphs with alternatives		benchmark, real-life, real-world	3							960	1018
BartakSR10 BartakSR10 [39]	New trends in constraint satisfaction, planning, and scheduling: a survey		real-life, real-world	0							961	1020
LombardiM10a LombardiM10a [275]	Allocation and scheduling of Conditional Task Graphs		real-world, benchmark, real-life	3							962	1080
LopesCSM10 LopesCSM10 [280]	A hybrid model for a multiproduct pipeline planning and scheduling problem	Ilog Solver	benchmark, real-world	2	-		-	[307, 306]			963	1083
NovashH10 NovashH10 [322]	Reactive scheduling framework based on domain knowledge and constraint programming			0							964	1098
ZeballosQH10 ZeballosQH10 [453]	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations		benchmark, real-world	4							965	1138
BocewiczBB09 BocewiczBB09 [65]	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling			0							966	No
GarridoAO09 GarridoAO09 [149]	A constraint programming formulation for planning: from plan scheduling to plan generation		benchmark	8							967	1044
RuggieroBBMA09 RuggieroBBMA09 [361]	Reducing the Abstraction and Optimality Gaps in the Allocation and Scheduling for Variable Voltage/Frequency MPSoC Platforms		instance generator, real-life	0							968	1111
abs-0907-0939 abs-0907-0939 [341]	The Soft Cumulative Constraint		real-world	0							969	1142
GarridoOS08 GarridoOS08 [150]	Planning and scheduling in an e-learning environment. A constraint-programming-based approach		real-world	0							970	1045
KovacsB08 KovacsB08 [238]	A global constraint for total weighted completion time for cumulative resources		benchmark	0							971	1069
LiessM08 LiessM08 [263]	A constraint programming approach for the resource-constrained project scheduling problem		benchmark	0							972	1078
MalikMB08 MalikMB08 [291]	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming			0							973	No
Simonis07 Simonis07 [384]	Models for Global Constraint Applications	CHIP		0	n		n			cumulative diffn cycle inverse cumulative	974	1120
Hooker06 Hooker06 [207]	An Integrated Method for Planning and Scheduling to Minimize Tardiness	OPL Cplex Ilog Scheduler	random instance	2	n		n	[206]	CuSP		975	1060
KhayatLR06 KhayatLR06 [229]	Integrated production and material handling scheduling using mathematical programming and constraint programming		real-life, bench-mark	1							976	1066
SadykovW06 SadykovW06 [364]	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates			0							977	No
SureshMOK06 SureshMOK06 [391]	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach			0							978	No

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
Hooker05 Hooker05 [205]	A Hybrid Method for the Planning and Scheduling	OPL Cplex Ilog Scheduler	random instance	0	n		n	[204]	CuSP	cumulative	979	1059
VilimBC05 VilimBC05 [426]	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities		benchmark, real-life	0	n		n	[425]	JSSP	disjunctive	980	1127
ZeballosH05 ZeballosH05 [452]	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources			0							981	1137
PoderBS04 PoderBS04 [343]	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption			0							982	1105
KuchcinskiW03 KuchcinskiW03 [247]	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming		benchmark	0							983	1073
Tsang03 Tsang03 [410]	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems		real-life	0							984	1126
LorigeonBB02 LorigeonBB02 [282]	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint			0							985	No
Timpe02 Timpe02 [404]	Solving planning and scheduling problems with combined integer and constraint programming			0							986	1123
MartinPY01 MartinPY01 [293]	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application		real-life	0							987	1086
Mason01 Mason01 [294]	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling			0							988	1087
ArtiguesR00 ArtiguesR00 [19]	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes			0							989	1014
BaptisteP00 BaptisteP00 [31]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	CLAIRE	benchmark	0	n		n		RCCSP	cumulative	990	1017
HeipckeCCS00 HeipckeCCS00 [198]	Scheduling under Labour Resource Constraints	COME SchedEns	benchmark, instance generator	0	dead		n	-			991	1058
KorbaaYG00 KorbaaYG00 [236]	Solving Transient Scheduling Problems with Constraint Programming			0							992	1068
LopezAKYG00 LopezAKYG00 [281]	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina			0							993	1084
SakkoutW00 SakkoutW00 [365]	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Cplex ECLiPSe	benchmark, real-world	0	n		n	-	KRFP		994	1113
SchildW00 SchildW00 [367]	Scheduling of Time-Triggered Real-Time Systems	OZ		0	n		n	-		disjunctive	995	1115
SourdN00 SourdN00 [386]	Multiple-Machine Lower Bounds for Shop-Scheduling Problems			0							996	No
BensanaLV99 BensanaLV99 [59]	Earth Observation Satellite Management	Ilog Solver	benchmark	0	?		-	-			997	1027
BelhadjiI98 BelhadjiI98 [53]	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	-	real-life	0	n		n	-	TCSP JSSP		998	1024
NuijtenP98 NuijtenP98 [326]	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler		real-life	0							999	1101

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
PapaB98 PapaB98 [335]	Resource Constraints for Preemptive Job-shop Scheduling	Ilog Solver	benchmark	0	dead		-	-	PJSSP	disjunctive flow	1000	1104
Darby-DowmanLMZ97 Darby-DowmanLMZ97 [104]	Constraint Logic Programming and Integer Programming Approaches and Their Collaboration in Solving an Assignment Scheduling Problem	Claire Cplex ECLiPSe	real-life, real-world, bench-mark	0	n		n	-	MGAP		1001	1036
FalaschiGMP97 FalaschiGMP97 [133]	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators			0							1002	1041
LammaMM97 LammaMM97 [256]	A distributed constraint-based scheduler		real-life	0							1003	1076
Zhou97 Zhou97 [459]	A Permutation-Based Approach for Solving the Job-Shop Problem	-	benchmark	0	n		n	[458]	JSSP	sort alldifferent permutation	1004	1141
Wallace96 Wallace96 [430]	Practical Applications of Constraint Programming	-		0	-		-	-	Survey	-	1005	1129
AggounB93 AggounB93 [6]	Extending CHIP in order to solve complex scheduling and placement problems		real-world	0							1006	1011
Tay92 Tay92 [399]	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling			0							1007	No
DincbasSH90 DincbasSH90 [120]	Solving Large Combinatorial Problems in Logic Programming		real-life	0							1008	1037

## 4 Authors

Table 8: Co-Authors of Articles/Papers

Author	Entries
Michela Milano	BorghesiBLMB18 [78], BonfiettiZLM16 [76], BridiBLMB16 [83], BridiLBBM16 [84], LombardiBM15 [272], BartoliniBBLM14 [41], BonfiettiLM14 [74], BonfiettiLBM14 [72], BonfiettiLM13 [73], LombardiM13 [279], LombardiM12 [278], BonfiettiLBM12 [71], LombardiM12a [277], BonfiettiM12 [75], BonfiettiLBM11 [70], LombardiBMB11 [273], BeniniLMR11 [58], LombardiM10 [276], LombardiM10a [275], LombardiM09 [274], RuggieroBBMA09 [361], BeniniBGM06 [57], LamaMM97 [256], BrusoniCLMMT96 [85]
Michele Lombardi	BorghesiBLMB18 [78], BonfiettiZLM16 [76], BridiBLMB16 [83], BridiLBBM16 [84], LombardiBM15 [272], BartoliniBBLM14 [41], BonfiettiLM14 [74], BonfiettiLBM14 [72], BonfiettiLM13 [73], LombardiM13 [279], LombardiM12 [278], BonfiettiLBM12 [71], LombardiM12a [277], BonfiettiLBM11 [70], LombardiBMB11 [273], BeniniLMR11 [58], LombardiM10 [276], LombardiM10a [275], LombardiM09 [274], HoeveGSL07 [415]
Andreas Schutt	YangSS19 [444], KreterSS17 [246], YoungFS17 [446], GoldwaserS17 [170], SchuttS16 [373], SzerediS16 [393], KreterSS15 [245], EvenSH15 [130], EvenSH15a [131], SchuttFS13 [370], SchuttFS13a [369], GuSS13 [180], SchuttCSW12 [368], SchuttFSW11 [372], SchuttW10 [374], SchuttFSW09 [371]
Nicolas Beldiceanu	Madi-WambaLOBM17 [287], Madi-WambaB16 [286], LetortCB15 [261], LetortCB13 [260], LetortBC12 [259], ClercqPBJ11 [97], BeldiceanuCDP11 [50], BeldiceanuCP08 [51], PoderB08 [342], BeldiceanuP07 [52], PoderBS04 [343], BeldiceanuC02 [49], AggounB93 [6], AggounB92 [5]
J. Christopher Beck	LuoB22 [285], TangB20 [394], BoothNB16 [77], KoschB14 [237], HeinzSB13 [195], HeinzKB13 [192], HeinzB12 [191], KovacsB11 [239], BeckFW11 [44], WatsonB08 [435], KovacsB08 [238], CarchraeBF05 [90], WuBB05 [443], BeckDF97 [43]
Emmanuel Hebrard	JuvinHHL23 [217], AntuoriHHEN21 [13], GodetLHS20 [167], SimoninAHL15 [382], SialaAH15 [380], BessiereHMQW14 [61], SimoninAHL12 [381], BillautHL12 [62], GrimesH11 [174], GrimesH10 [173], GrimesHM09 [175], HebrardTW05 [189]
Peter J. Stuckey	YangSS19 [444], DemirovicS18 [114], KreterSS17 [246], SchuttS16 [373], KreterSS15 [245], BurtLPS15 [86], SchuttFS13 [370], SchuttFS13a [369], GuSS13 [180], SchuttCSW12 [368], SchuttFSW11 [372], SchuttFSW09 [371]
Roman Barták	SvancaraB22 [392], JelínekB16 [214], BartakV15 [40], Bartak14 [36], BartakS11 [38], BartakCS10 [37], BartakSR10 [39], VilimBC05 [426], VilimBC04 [425], Bartak02 [35], Bartak02a [34]
Pierre Lopez	JuvinHHL23 [217], JuvinHL23 [218], Polo-MejiaALB20 [345], NattafAL17 [314], SimoninAHL15 [382], NattafAL15 [313], SimoninAHL12 [381], BillautHL12 [62], LahimerLH11 [255], TrojetHL11 [409], LopezAKYG00 [281]
Petr Vilím	LaborieRSV18 [252], VilimLS15 [427], Vilim11 [424], Vilim09 [422], Vilim09a [423], VilimBC05 [426], Vilim05 [421], VilimBC04 [425], Vilim04 [420], Vilim03 [419], Vilim02 [418]
Christian Artigues	PovedaAA23 [348], PohlAK22 [344], Polo-MejiaALB20 [345], NattafAL17 [314], SimoninAHL15 [382], NattafAL15 [313], SialaAH15 [380], SimoninAHL12 [381], ArtiguesBF04 [18], ArtiguesR00 [19]
Luca Benini	BorghesiBLMB18 [78], BridiBLMB16 [83], BridiLBBM16 [84], BonfiettiLBM14 [72], BonfiettiLBM12 [71], BonfiettiLBM11 [70], LombardiBMB11 [273], BeniniLMR11 [58], RuggieroBBMA09 [361], BeniniBGM06 [57]
Alessio Bonfietti	BonfiettiZLM16 [76], Bonfietti16 [69], LombardiBM15 [272], BonfiettiLM14 [74], BonfiettiLBM14 [72], BonfiettiLM13 [73], BonfiettiLBM12 [71], BonfiettiM12 [75], BonfiettiLBM11 [70], LombardiBMB11 [273]
Philippe Laborie	LunardiBLRV20 [283], LaborieRSV18 [252], Laborie18a [251], MelgarejoLS15 [7], VilimLS15 [427], Laborie09 [250], BaptisteLPN06 [29], GodardLN05 [165], FocacciLN00 [139]
John N. Hooker	Hooker17 [208], HechingH16 [190], CireCH13 [96], CobanH10 [98], Hooker06 [207], Hooker05 [205], Hooker05a [206], Hooker04 [204], HookerY02 [209]
Claude-Guy Quimper	BoudreaultSLQ22 [80], OuelletQ22 [330], Mercier-AubinGQ20 [298], FahimiOQ18 [132], KameugneFGOQ18 [221], OuelletQ18 [329], GingrasQ16 [164], BessiereHMQW14 [61], OuelletQ13 [328]
Pierre Schaus	CappartS17 [89], CauwelaertDMS16 [92], DejemeppeCS15 [111], GayHLS15 [151], GayHS15 [152], GayHS15a [153], HoundjiSWD14 [210], GaySS14 [154], SchausHMCMD11 [366]
Pascal Van Hentenryck	FontaineMH16 [140], EvenSH15 [130], EvenSH15a [131], SchausHMCMD11 [366], MonetteDH09 [302], DoomsH08 [121], HentenryckM08 [200], HentenryckM04 [199], DincbasSH90 [120]
Philippe Baptiste	BaptisteB18 [28], Baptiste09 [27], BaptisteLPN06 [29], ArtiouchineB05 [20], BaptisteP00 [31], PapaB98 [335], BaptisteP97 [30], PapeB97 [334]
Mats Carlsson	WessenCS20 [436], MossigeGSMC17 [305], LetortCB15 [261], LetortCB13 [260], LetortBC12 [259], BeldiceanuCDP11 [50], BeldiceanuCP08 [51], BeldiceanuC02 [49]
Nysret Musliu	LacknerMMWW23 [254], WinterMMW22 [438], LacknerMMWW21 [253], GeibingerKKMMW21 [156], GeibingerMM21 [159], GeibingerMM19 [158], abs-1911-04766 [157], KletzanderM17 [233]
Helmut Simonis	ArmstrongGOS22 [16], ArmstrongGOS21 [15], GrimesIOS14 [176], IfrimOS12 [212], Simonis07 [384], SimonisC95 [385], Simonis95 [383], DincbasSH90 [120]
Zdenek Hanzálek	Mehdizadeh-Somarin23 [295], abs-2305-19888 [197], HeinzNVH22 [196], VlkHT21 [429], BenediktMH20 [55], BenediktSMVH18 [56], KelbelH11 [227]
Gabriela P. Henning	NovaraNH16 [320], NovasH14 [324], NovasH12 [323], NovasH10 [322], ZeballosQH10 [453], ZeballosH05 [452], QuirogaZH05 [356]
Stefan Heinz	HeinzSB13 [195], HeinzKB13 [192], HeinzSSW12 [193], HeinzB12 [191], HeinzS11 [194], BertholdHLSM10 [60]
András Kovács	KovacsB11 [239], KovacsK11 [241], KovacsB08 [238], KovacsV06 [243], KovacsEKV05 [240], KovacsV04 [242]
Claude Le Pape	BaptisteLPN06 [29], BaptisteP00 [31], PapaB98 [335], NuijtenP98 [326], BaptisteP97 [30], PapeB97 [334]
Emmanuel Poder	BeldiceanuCDP11 [50], abs-0907-0939 [341], BeldiceanuCP08 [51], PoderB08 [342], BeldiceanuP07 [52], PoderBS04 [343]
Mark Wallace	WallaceY20 [431], HeOGLW18 [188], SchuttFSW09 [371], SakkoutW00 [365], RodosekW98 [359], Wallace96 [430]
Yves Deville	HoundjiSWD14 [210], DejemeppeD14 [112], SchausHMCMD11 [366], MonetteDH09 [302], MonetteDD07 [301]
Thibaut Feydy	YoungFS17 [446], SchuttFS13 [370], SchuttFS13a [369], SchuttFSW11 [372], SchuttFSW09 [371]

Table 8: Co-Authors of Articles/Papers

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Roger Kameugne	KameugneFND23 [222], KameugneFGOQ18 [221], Kameugne15 [220], KameugneFSN14 [224], KameugneFSN11 [223]
Juan M. Novas	Novas19 [321], NovaraNH16 [320], NovasH14 [324], NovasH12 [323], NovasH10 [322]
Wim Nuijten	BaptisteLPN06 [29], GodardLN05 [165], SourdN00 [386], FocacciLN00 [139], NuijtenP98 [326]
Louis-Martin Rousseau	DoulabiRP16 [123], PesantRR15 [340], DoulabiRP14 [122], ChapadosJR11 [94], HachemiGR11 [182]
Marek Vlk	abs-2305-19888 [197], HeinzNVH22 [196], VlkHT21 [429], BenediktSMVH18 [56], BartakV15 [40]
André A. Ciré	CireCH13 [96], LopesCSM10 [280], MouraSCL08 [307], MouraSCL08a [306]
Andrea Bartolini	BorghesiBLMB18 [78], BridiBLMB16 [83], BridiLBBM16 [84], BartoliniBBLM14 [41]
Cyrille Dejemeppe	CauwelaertDMS16 [92], Dejemeppe16 [110], DejemeppeCS15 [111], DejemeppeD14 [112]
Steven Gay	GayHLS15 [151], GayHS15 [152], GayHS15a [153], GaySS14 [154]
Tobias Geibinger	GeibingerKKMMW21 [156], GeibingerMM21 [159], GeibingerMM19 [158], abs-1911-04766 [157]
Diarmuid Grimes	GrimesIOS14 [176], GrimesH11 [174], GrimesH10 [173], GrimesHM09 [175]
Krzysztof Kuchcinski	WolinskiKG04 [441], WolinskiKG04a [442], KuchcinskiW03 [247], GruianK98 [179]
Laurent Michel	TardivoDFMP23 [396], SchausHMCMD11 [366], HentenryckM08 [200], HentenryckM04 [199]
Florian Mischek	GeibingerKKMMW21 [156], GeibingerMM21 [159], GeibingerMM19 [158], abs-1911-04766 [157]
Jean-Noël Monette	CauwelaertDMS16 [92], SchausHMCMD11 [366], MonetteDH09 [302], MonetteDD07 [301]
Margaux Nattaf	NattafM20 [315], MalapertN19 [289], NattafAL17 [314], NattafAL15 [313]
Barry O’Sullivan	ArmstrongGOS22 [16], ArmstrongGOS21 [15], GrimesIOS14 [176], IfrimOS12 [212]
Yanick Ouellet	OuelletQ22 [330], FahimiOQ18 [132], KameugneFGOQ18 [221], OuelletQ18 [329]
Gilles Pesant	AalianPG23 [1], DoulabiRP16 [123], PesantRR15 [340], DoulabiRP14 [122]
Thierry Petit	DerrienP14 [116], DerrienPZ14 [117], ClercqPBJ11 [97], abs-0907-0939 [341]
Christine Solnon	GroleazNS20 [178], GroleazNS20a [177], SacramentoSP20 [362], MelgarejoLS15 [7]
József Váncza	KovacsV06 [243], KovacsEKV05 [240], KovacsV04 [242], VanczaM01 [416]
Felix Winter	LacknerMMWW23 [254], WinterMMW22 [438], LacknerMMWW21 [253], GeibingerKKMMW21 [156]
Armin Wolf	GeitzGSSW22 [160], SchuttW10 [374], WolfS05 [440], Wolf03 [439]
Max Åstrand	Astrand0F21 [22], Astrand21 [21], AstrandJZ20 [24], AstrandJZ18 [23]
Miguel A. Salido	BartakS11 [38], BartakSR10 [39], AbrilSB05 [3]
Séverine Betmbe Fetgo	KameugneFND23 [222], FetgoD22 [138], KameugneFGOQ18 [221]
Miquel Bofill	BofillCSV17 [66], BofillGSV15 [68], BofillEGPSV14 [67]
Thomas Bridi	BridiBLMB16 [83], BridiLBBM16 [84], BartoliniBBLM14 [41]
Cid C. de Souza	MouraSCL08 [307], MouraSCL08a [306], HeipckeCCS00 [198]
Ondrej Cepek	BartakCS10 [37], VilimBC05 [426], VilimBC04 [425]
Erich Christian Teppan	Teppan22 [400], ColT22 [100], ColT19 [99]
Sophie Demassey	HermenierDL11 [201], BeldiceanuCDP11 [50], Demassey03 [113]
Alban Derrien	Derrien15 [115], DerrienP14 [116], DerrienPZ14 [117]
Michele Garraffa	AlfieriGPS23 [10], ArmstrongGOS22 [16], ArmstrongGOS21 [15]
Martin Gebser	TasselGS23 [397], abs-2306-05747 [398], KovacsTKSG21 [244]
Jean-Claude Gentina	KorbaaYG00 [236], LopezAKYG00 [281], KorbaaYG99 [235]
Renaud Hartert	GayHLS15 [151], GayHS15 [152], GayHS15a [153]
Brahim Hnich	GokgurHO18 [169], OzturkTHO13 [332], RossiTHP07 [360]
Andrew J. Davenport	Davenport10 [105], DavenportKRSH07 [106], BeckDF97 [43]
Mikael Johansson	Astrand0F21 [22], AstrandJZ20 [24], AstrandJZ18 [23]
Narendra Jussien	ClercqPBJ11 [97], ElkhyariGJ02 [126], ElkhyariGJ02a [127]
Tamás Kis	KovacsK11 [241], KeriK07 [228], KovacsEKV05 [240]
Ouajdi Korbaa	KorbaaYG00 [236], LopezAKYG00 [281], KorbaaYG99 [235]
Arnaud Letort	LetortCB15 [261], LetortCB13 [260], LetortBC12 [259]
Arnaud Malapert	NattafM20 [315], MalapertN19 [289], GrimesHM09 [175]
Tony Minoru Tamura Lopes	LopesCSM10 [280], MouraSCL08 [307], MouraSCL08a [306]
Hiroki Nishikawa	NishikawaSTT19 [319], NishikawaSTT18 [317], NishikawaSTT18a [318]
Cédric Pralet	SquillaciPR23 [387], Pralet17 [349], PraletLJ15 [350]
Dhananjay R. Thiruvady	abs-2402-00459 [316], abs-2211-14492 [389], ThiruvadyBME09 [403]
Levi Ribeiro de Abreu	AbreuNP23 [109], AbreuN22 [108], AbreuAPNM21 [107]
Jens Schulz	HeinzSB13 [195], HeinzS11 [194], BertholdHLMS10 [60]
Marcelo Seido Nagano	AbreuNP23 [109], AbreuN22 [108], AbreuAPNM21 [107]
Kana Shimada	NishikawaSTT19 [319], NishikawaSTT18 [317], NishikawaSTT18a [318]
Gilles Simonin	GodetLHS20 [167], SimoninAHL15 [382], SimoninAHL12 [381]
Josep Suy	BofillCSV17 [66], BofillGSV15 [68], BofillEGPSV14 [67]

Table 8: Co-Authors of Articles/Papers

Author	Entries
Ittetsu Taniguchi	NishikawaSTT19 [319], NishikawaSTT18 [317], NishikawaSTT18a [318]
Pierre Tassel	TasselGS23 [397], abs-2306-05747 [398], KovacsTKSG21 [244]
Hiroyuki Tomiyama	NishikawaSTT19 [319], NishikawaSTT18 [317], NishikawaSTT18a [318]
Seyda Topaloglu Yildiz	IsikYA23 [213], YunusogluY22 [447], KucukY19 [249]
Arnaldo Vieira Moura	LopesCSM10 [280], MouraSCL08 [307], MouraSCL08a [306]
Mateu Villaret	BofillCSV17 [66], BofillGSV15 [68], BofillEGPSV14 [67]
Daniel Walkiewicz	LacknerMMWW23 [254], WinterMMW22 [438], LacknerMMWW21 [253]
Toby Walsh	GelainPRVW17 [161], BessiereHMQW14 [61], HebrardTW05 [189]
Christophe Wolinski	WolinskiKG04 [441], WolinskiKG04a [442], KuchcinskiW03 [247]
Pascal Yim	KorbaaYG00 [236], LopezAKYG00 [281], KorbaaYG99 [235]
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Maya B. Gokhale	WolinskiKG04 [441], WolinskiKG04a [442]
Amelia Badica	BadicaBI20 [25], BadicaBIL19 [26]
Costin Badica	BadicaBI20 [25], BadicaBIL19 [26]
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Andreas Beham	abs-1902-09244 [187], HauderBRPA19 [186]
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Luca Console	BrusoniCLMMT96 [85]
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Ariel Liebman	He0GLW18 [188]
Olivier Liess	LiessM08 [263]
Andrew Lim	LimRX04 [264]
Nir Lipovetzky	BurtLPS15 [86]
Tong Liu	LiuCGM17 [270]
Lingxuan Liu	QinWSLS21 [353]
Ke Liu	LiuLH19 [269]
Rengkui Liu	TangLWSK18 [395]
Yuechang Liu	LiuJ06 [271]
Doina Logofatu	BadicaBIL19 [26]
Thomas Lorigeon	LorigeonBB02 [282]
Chang Lv	MengZRZL20 [297]
Zhimin Lv	ZhangLS12 [457]
Sven Löffler	LiuLH19 [269]
J. M. van den Akker	AkkerDH07 [412]
Abdulrahman M. Abdulghani	AkramNHRSA23 [8]
O. M. Alade	abs-1902-01193 [9]
Shahrzad M. Pour	PourDERB18 [347]
Franco M. Novara	NovaraNH16 [320]
Rafael M. Gasca	ValleMGTO3 [411]
Jun Ma	MakMS10 [288]
Amy Mainville Cohn	BarlattCG08 [33]
Kai-Ling Mak	MakMS10 [288]
V. Mani	SureshMOK06 [391]
Oscar Manzano	MurphyMB15 [310]
Kourosh Marjani Rasmussen	PourDERB18 [347]
Kim Marriott	FalaschiGMP97 [133]
Fae Martin	MartinPY01 [293]
Jacopo Mauro	LiuCGM17 [270]

Table 8: Co-Authors of Articles/Papers

Author	Entries
Jim McInnes	MalikMB08 [291]
Zahra Mehdizadeh-Somarin	Mehdizadeh-Somarin23 [295]
Haci Mehmet Alakas	GurPAE23 [181]
Haci Mehmet Alakaş	GurEA19 [465]
Sebastian Meiswinkel	WinterMMW22 [438]
Gonzalo Mejía	YuraszeckMPV22 [449]
Gonzalo Mejía	YuraszeckMC23 [448]
Hein Meling	MossigeGSMC17 [305]
Julien Menana	Menana11 [296]
Jean-Marc Menaud	Madi-WambaLOBM17 [287]
Leilei Meng	MengZRZL20 [297]
Alexandre Mercier-Aubin	Mercier-AubinGQ20 [298]
Vera Mersheeva	FriedrichFMRST14 [143]
Nadine Meskens	WangMD15 [434]
Bernd Meyer	ThiruvadyBME09 [403]
Kyung Min Kim	HamPK21 [184]
Gautam Mitra	Darby-DowmanLMZ97 [104]
Elizabeth Montero	YuraszeckMCCR23 [450]
Kyungduk Moon	KimCMLLP23 [231]
Morten Mossige	MossigeGSMC17 [305]
Alix Munier Kordon	HanenKP21 [185]
Stanislav Murfn	MurinR19 [309]
Nicola Muscettola	Muscettola02 [311]
David Müller	MullerMKP22 [308]
András Márkus	VanczaM01 [416]
Marc-André Ménard	BessiereHMQW14 [61]
Christina N. Burt	BurtLPS15 [86]
T. N. Wong	ZhangYW21 [455]
S. N. Omkar	SureshMOK06 [391]
Goldie Nejat	BoothNB16 [77]
Shiva Nejati	AlesioNBG14 [118]
Franklin Nguewouo	PopovicCGNC22 [346]
Alain Nguyen	AntuoriHHEN21 [13]
Gilberto Nishioka	SerraNM12 [375]
Thierry Noulamo	KameugneFND23 [222]
Jari Nurmi	QuSN06 [355]
A. O. Amusat	abs-1902-01193 [9]
Ceyda Oguz	EdisO11 [124]
Bilal Omar Akram	AkramNHRSA23 [8]
Mirza Omer Beg	BegB13 [46]
Anne-Cécile Orgerie	Madi-WambaLOBM17 [287]
Mohand Ou Idir Khemmoudj	KhemmoudjPB06 [230]
Pierre Ouellet	OuelletQ13 [328]
Soukaina Oujana	OujanaAYB22 [331]
Asma Ouled Bedhief	Bedhief21 [45]
Irem Ozkarahan	TopalogluO11 [406]
Débora P. Ronconi	LunardiBLRV20 [283]
Edward P. K. Tsang	Tsang03 [410]
W. P. M. Nuijten	NuijtenA94 [325]
Miquel Palahí	BofillEGPSV14 [67]
Catuscia Palamidessi	FalaschiGMP97 [133]
Pere Palà-Schönwälder	EscobetPQPRA19 [129]
Vaibhav Pandey	PandeyS21a [333]
Hoonseok Park	ParkUJR19 [336]
Myoung-Ju Park	HamPK21 [184]
Erica Pastore	AlfieriGPS23 [10]

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Author	Entries
Theo Pedersen	HanenKP21 [185]
Bart Peintner	MoffittPP05 [299]
Jordi Pereira	YuraszeckMPV22 [449]
Laurent Perron	DannaP03 [103]
Mehmet Pinarbasi	GurPAE23 [181]
Arthur Pinkney	MartinPY01 [293]
David Pisinger	SacramentoSP20 [362]
Maximilian Pohl	PohlAK22 [344]
Nicola Policella	OddiPCC03 [327]
Oliver Polo-Mejía	Polo-MejiaALB20 [345]
Paul Pop	BarzegaranZP20 [42]
Louis Popovic	PopovicCGNC22 [346]
Marc Porcheron	KhemmoudjPB06 [230]
Marc Pouly	KoehlerBFFHPSSS21 [234]
Guillaume Pováda	PovedaAA23 [348]
Matthias Prandtstetter	RendlPHPR12 [357]
Jakob Puchinger	RendlPHPR12 [357]
Jean-Francois Puget	Puget95 [352]
Vicenç Puig	EscobetPQPRA19 [129]
Kenneth Pulliam	KrogtLPHJ07 [414]
Kenny Qili Zhu	ZhuS02 [461]
Ming Qin	QinWSLS21 [353]
Tianbao Qin	QinDCS20 [354]
Yang Qu	QuSN06 [355]
Yuchen Quan	ShiYXQ22 [377]
Joseba Quevedo	EscobetPQPRA19 [129]
Dominik R. Bleidorn	KlankeBYE21 [232]
Aliza R. Heching	HechingH16 [190]
Adrian R. Pearce	BurtLPS15 [86]
Levi R. Abreu	PrataAN23 [351]
Wichniarek, Radosław	CzerniachowskaWZ23 [102]
Vinasétan Ratheil Houndji	HoundjiSWD14 [210]
Chandra Reddy	DavenportKRSH07 [106]
Philippe Refalo	GarganiR07 [148]
Yaping Ren	MengZRZL20 [297]
Andrea Rendl	RendlPHPR12 [357]
Hamid Reza Feyzmahdavian	Astrand0F21 [22]
Vahid Riahi	RiahiNS018 [358]
Diane Riopel	KhayatLR06 [229]
Gregory Rix	PesantRR15 [340]
Robert Rodosek	RodosekW98 [359]
Brian Rodrigues	LimRX04 [264]
Jerome Rogerie	LaborieRSV18 [252]
Mohammad Rohaninejad	Mehdizadeh-Somarin23 [295]
Maximiliano Rojel	YuraszeckMCCR23 [450]
Juli Romera	EscobetPQPRA19 [129]
Roberto Rossi	RossiTHP07 [360]
François Roubellat	ArtiguesR00 [19]
Stéphanie Roussel	SquillaciPR23 [387]
Didier Rozzonelli	JourdanFRD94 [215]
Ruiz, Rubén	NaderiRR23 [312]
Hana Rudová	MurinR19 [309]
Martin Ruskowski	ParkUJR19 [336]
Anna Ryabokon	FriedrichFMRSS14 [143]
William S. Havens	DilkinaDH05 [119]
Mark S. Fox	BeckDF97 [43]

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Author	Entries
Marcelo S. Nagano	PrataAN23 [351]
Mohamed S. Gheith	AbohashimaEG21 [2]
David Sacramento	SacramentoSP20 [362]
Shahram Saeidi	AlizdehS20 [11]
Poonam Saini	PandeyS21a [333]
Fabio Salassa	AlfieriGPS23 [10]
Sophia Saller	KoehlerBFFHPSSS21 [234]
Anastasia Salyaeva	KoehlerBFFHPSSS21 [234]
Maria Sander	FriedrichFMRSS14 [143]
Eric Sanlaville	PoderBS04 [343]
Óscar Sapena	GarridoOS08 [150]
Özge Satir Akpunar	IsikYA23 [213]
Abdul Sattar	RiahiNS018 [358]
Peter Scheiblechner	KoehlerBFFHPSSS21 [234]
Klaus Schild	SchildW00 [367]
Thomas Schlechte	HeinzSSW12 [193]
Thorsten Schmidt	BenderWS21 [54]
Günter Schmidt	BlazewiczEP19 [64]
Gunnar Schrader	WolfS05 [440]
Philipp Schrott-Kostwein	KovacsTKSG21 [244]
Uwe Schwiegelshohn	LimtanyakulS12 [268]
Lena Secher Ejlersen	PourDERB18 [347]
Thiago Serra	SerraNM12 [375]
Mei Sha	QinDCS20 [354]
Yufen Shao	GoelSHFS15 [168]
Ganquan Shi	ShiYXQ22 [377]
Zhongshun Shi	QinWSLS21 [353]
Leyuan Shi	QinWSLS21 [353]
Stuart Siegel	DavenportKRSH07 [106]
Maria Silvia Pini	GelainPRVW17 [161]
Vanessa Simard	BoudreaultSLQ22 [80]
Paweł Sitek	WikarekS19 [437]
M. Slusky	GoelSHFS15 [168]
Juha-Pekka Soininen	QuSN06 [355]
Xiaoqing Song	ZhangLS12 [457]
Francis Sourd	SourdN00 [386]
Helge Spieker	MossigeGSMC17 [305]
Samuel Squillaci	SquillaciPR23 [387]
Andreas Starzacher	FriedrichFMRSS14 [143]
Wolfgang Steigerwald	GeitzGSSW22 [160]
Rüdiger Stephan	HeinzSSW12 [193]
Malgorzata Sterna	BlazewiczEP19 [64]
Robin Stöhr	GeitzGSSW22 [160]
Christian Stürck	HubnerGSV21 [211]
Kaile Su	RiahiNS018 [358]
Wei Su	MakMS10 [288]
Kemal Subulan	SubulanC22 [388]
Premysl Sucha	BenediktSMVH18 [56]
Quanxin Sun	TangLWSK18 [395]
Zheng Sun	SunLYL10 [390]
Suresh Sundaram	SureshMOK06 [391]
Pavel Surynek	BartakCS10 [37]
Jirí Svancara	SvancaraB22 [392]
Ria Szeredi	SzerediS16 [393]
Alina Sirbu	GalleguillosKSB19 [147]
Christos T. Maravelias	MaraveliasG04 [292]



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Author	Entries
Willian T. Lunardi	LunardiBLRV20 [283]
Siyu Tang	VlkHT21 [429]
Yuanjie Tang	TangLWSK18 [395]
Fabio Tardivo	TardivoDFMP23 [396]
Armagan Tarim	RossiTHP07 [360]
Ehsan Tarkesh Esfahani	YounespourAKE19 [445]
Reza Tavakkoli-Moghaddam	Fatemi-AnarakiMFN22 [137]
Nikolay Tchernev	BourreauGGLT22 [81]
Erich Teppan	FriedrichFMRST14 [143]
Paolo Terenziani	BrusoniCLMMT96 [85]
Willian Tessaro Lunardi	Lunardi20 [284]
Stephan Teuschl	FrohnerTR19 [145]
Jordan Ticktin	HillTV21 [202]
Kevin Tierney	KelarevaTK13 [226]
Christian Timpe	Timpe02 [404]
Mary Tom	Tom19 [405]
Seyda Topaloglu	TopalogluO11 [406]
Miguel Toro	ValleMGT03 [411]
Meriem Touat	TouatBT22 [407]
Touraivane	Touraivane95 [408]
Mariem Trojet	TrojetHL11 [409]
Semra Tunalı	OzturkTHO13 [332]
Paul Tyler	HebrardTW05 [189]
Jumyung Um	ParkUJR19 [336]
J. V. Moccellini	AbreuAPNM21 [107]
Behdin Vahedi-Nouri	Fatemi-AnarakiMFN22 [137]
Roshanaei, Vahid	NaderiRR23 [312]
Karen Villaverde	VillaverdeP04 [428]
Mariona Vilà	YuraszeckMPV22 [449]
Rebekka Volk	HubnerGSV21 [211]
Holger Voos	LunardiBLRV20 [283]
Thomas W. M. Vossen	HillTV21 [202]
Kai Waelti	KoehlerBFFHPSSS21 [234]
Runsen Wang	QinWSLS21 [353]
Futian Wang	TangLWSK18 [395]
Shouyang Wang	ZhangW18 [456]
Tao Wang	WangMD15 [434]
Jan Weglarz	BlazewiczEP19 [64]
Christine Wei Wu	WuBB05 [443]
Kong Wei Lye	LauLN08 [257]
Johan Wessén	WessenCS20 [436]
Jaroslav Wikarek	WikarekS19 [437]
Campbell Wilson	He0GLW18 [188]
Michael Winkler	HeinzSSW12 [193]
David Wittwer	BenderWS21 [54]
Jörg Würtz	SchildW00 [367]
Quanshi Xia	ChuX05 [95]
Hegen Xiong	FanXG21 [135]
Zhou Xu	LimRX04 [264]
Yang Xu	ShiYXQ22 [377]
Tanya Y. Tang	TangB20 [394]
El Yaakoubi Anass	FallahiAC20 [134]
Hong Yan	HookerY02 [209]
Moli Yang	YangSS19 [444]
Zhouwang Yang	ShiYXQ22 [377]
Jia-Sheng Yao	HoYCLLC18 [203]

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Author	Entries
Min Yao	SunLYL10 [390]
Seung Yeob Shin	ShinBBHO18 [378]
Vassilios Yfantis	KlankeBYE21 [232]
Maryam Younespour	YounespourAKE19 [445]
Chunxia Yu	ZhangYW21 [455]
Xinghuo Yu	MartinPY01 [293]
Oleg Yu. Gusikhin	BarlattCG08 [33]
Pinar Yunusoglu	YunusogluY22 [447]
Marco Zaffalon	Darby-DowmanLMZ97 [104]
Stéphane Zampelli	DerrienPZ14 [117]
Bahram Zarrin	BarzegaranZP20 [42]
Mengjie Zhang	abs-2402-00459 [316]
Haotian Zhang	ZhangJZL22 [454]
Luping Zhang	ZhangYW21 [455]
Chaoyong Zhang	MengZRZL20 [297]
Biao Zhang	MengZRZL20 [297]
Sicheng Zhang	ZhangW18 [456]
Xujun Zhang	ZhangLS12 [457]
Lihui Zhang	ZouZ20 [464]
Jinlian Zhou	ZhouGL15 [460]
Pawel Zielinski	FortinZDF05 [141]
Xin Zou	ZouZ20 [464]
Mathijs de Weerd	BogaerdW19 [413]
Bruno de Athayde Prata	AbreuAPNM21 [107]
Roman van der Krogt	KrogtLPHJ07 [414]
Pim van den Bogaerd	BogaerdW19 [413]
Stefano Di Alesio	AlesioNBG14 [118]
Selin Özpeynirci	GokgurHO18 [169]
Cemalettin Öztürk	OzturkTHO13 [332]
Nahum Álvarez	PovedaAA23 [348]
Seán Óg Murphy	MurphyMB15 [310]
Gizem Çakir	SubulanC22 [388]

## 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 [388]		abs-1902-01193 [9]
Concepts	activity	TardivoDFMP23 [396], AalianPG23 [1], PovedaAA23 [348], TouatBT22 [407], CampeauG22 [88], SubulanC22 [388], BenderWS21 [54], KlankeBYE21 [232], HubnerGSV21 [211], AstrandJZ20 [24], BadicaBIL19 [26], abs-1902-09244 [187], abs-1911-04766 [157], GeibingerMM19 [158], HauderBRPA19 [186], MurinR19 [309], YounespourAKE19 [445], LaborieRSV18 [252], BorghesiBLMB18 [78], TangLWSK18 [395], AstrandJZ18 [23], CappartS17 [89], Pralet17 [349], KreterSS17 [246], LiuCGM17 [270], BofillCSV17 [66], YoungFS17 [446], BonfiettiZLM16 [76], GilesH16 [163]... (Total: 104)	YuraszeckMCCR23 [450], Bit-Monnot23 [63], BoudreaultSLQ22 [80], PopovicCGNC22 [346], LunardiBLRV20 [283], YangSS19 [444], EscobetPQPRA19 [129], Novas19 [321], ShinBBHO18 [378], SchuttS16 [373], BoothNB16 [77], VilimLS15 [427], GoelSHFS15 [168], DoulabiRP14 [122], LombardiM13 [279], BonfiettiM12 [75], ChapadosJR11 [94], ZibranR11 [462], SchuttFSW09 [371], PoderB08 [342], GarridoOS08 [150], KrogLPHJ07 [414], Simonis07 [384], KhayatLR06 [229], Geske05 [162], MoffittPP05 [299], DannaP03 [103], Bartak02 [35], KamarainenS02 [219]... (Total: 33)	PrataAN23 [351], CzerniachowskaWZ23 [102], abs-2312-13682 [339], SquillaciPR23 [387], abs-2305-19888 [197], PerezGSL23 [338], HeinzNVH22 [196], PohlAK22 [344], abs-2211-14492 [389], OuelletQ22 [330], MullerMKP22 [308], ZhangYW21 [455], HillTV21 [202], GeibingerMM21 [159], PandeyS21a [333], AstrandOF21 [22], QinDCS20 [354], Mercier-AubinGQ20 [298], SacramentoSP20 [362], NishikawaSTT19 [319], abs-1902-01193 [9], Tom19 [405], GalleguillosKSB19 [147], NishikawaSTT18 [317], NishikawaSTT18a [318], DemirovicS18 [114], MossigeGSMC17 [305], Madi-WambaLOBM17 [287], NattafAL17 [314]... (Total: 64)
Concepts	batch process	LacknerMMWW23 [254], LacknerMMWW21 [253], QinWSLS21 [353], NovaraNH16 [320], KoschB14 [237]	TangB20 [394], NovasH10 [322], Vilim02 [418], SimonisC95 [385]	PrataAN23 [351], IsikYA23 [213], YuraszeckMCCR23 [450], MullerMKP22 [308], OujanaAYB22 [331], LuoB22 [285], LiFJZLL22 [262], ColT22 [100], AbreuN22 [108], GeitzGSSW22 [160], FanXG21 [135], ZhangYW21 [455], KlankeBYE21 [232], MengZRZL20 [297], EscobetPQPRA19 [129], Ham18 [183], FahimiOQ18 [132], LaborieRSV18 [252], CauwelaertDMS16 [92], GrimesH10 [173], Simonis07 [384], VilimBC05 [426], ArtiguesBF04 [18], Vilim04 [420]
Concepts	bill of material			Simonis07 [384]
Concepts	buffer-capacity			LiFJZLL22 [262], OujanaAYB22 [331], RiahiNS018 [358], BonfiettiLBM14 [72], NovasH14 [324], ZeballosH05 [452]
Concepts	cmax	JuvinHHL23 [217], YuraszeckMCCR23 [450], YuraszeckMC23 [448], KameugneFND23 [222], NaderiRR23 [312], abs-2305-19888 [197], IsikYA23 [213], FetgoD22 [138], AbreuN22 [108], abs-2211-14492 [389], QinWSLS21 [353], AbohashimaEG21 [2], ArmstrongGOS21 [15], QinDCS20 [354], MengZRZL20 [297], GodetLHS20 [167], WikarekS19 [437], YounespourAKE19 [445], MalapertN19 [289], Ham18 [183], GedikKEK18 [155], KameugneFGOQ18 [221], VilimLS15 [427], OzturkTHO13 [332], BillautHL12 [62], GrimesH11 [174], BeldiceanuCDP11 [50], LahimerLH11 [255], GrimesH10 [173]... (Total: 32)	Mehdizadeh-Somarin23 [295], BoudreaultSLQ22 [80], MullerMKP22 [308], ArmstrongGOS22 [16], HamPK21 [184], ParkUJR19 [336], Novas19 [321], ArbaouiY18 [14], WangMD15 [434], ZhouGL15 [460], ZhangLS12 [457], BartakSR10 [39], MoffittPP05 [299], Muscettola02 [311], ArtiguesR00 [19]	JuvinHL23 [218], Teppan22 [400], ZhangYW21 [455], HanenKP21 [185], HubnerGSV21 [211], LiuCGM17 [270], BofillCSV17 [66], SialaAH15 [380], KoschB14 [237], WatsonB08 [435], LiessM08 [263], AkkerDH07 [412], KeriK07 [228], KhayatLR06 [229], BaptisteP00 [31], FocacciLN00 [139]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	completion-time	PrataAN23 [351], JuvinHL23 [218], Mehdizadeh-Somarin23 [295], AlfieriGPS23 [10], NaderiRR23 [312], KameugneFND23 [222], YuraszeckMPV22 [449], AbreuN22 [108], SubulanC22 [388], OuelletQ22 [330], FetgoD22 [138], KlankeBYE21 [232], Bedhief21 [45], ArmstrongGOS21 [15], LunardiBLRV20 [283], QinDCS20 [354], YounespourAKE19 [445], FahimiOQ18 [132], RiahiNS018 [358], ZhangW18 [456], ArbaouiY18 [14], GedikKEK18 [155], KameugneFGOQ18 [221], GingrasQ16 [164], DejemeppeCS15 [111], ZhouGL15 [460], KoschB14 [237], OzturkTHO13 [332], OuelletQ13 [328]... (Total: 46)	CzerniachowskaWZ23 [102], abs-2305-19888 [197], MullerMKP22 [308], ColT22 [100], Teppan22 [400], TouatBT22 [407], OujanaAYB22 [331], HeinzNVH22 [196], abs-2211-14492 [389], LiFJZLL22 [262], HanenKP21 [185], FanXG21 [135], GeibingerMM21 [159], QinWSLS21 [353], NattafM20 [315], Mercier-AubinGQ20 [298], YangSS19 [444], abs-1902-09244 [187], BogaerdtW19 [413], abs-1911-04766 [157], MalapertN19 [289], HauderBRPA19 [186], GeibingerMM19 [158], ParkUJR19 [336], Ham18 [183], OuelletQ18 [329], KreterSS17 [246], CappartS17 [89], ZarandiKS16 [451]... (Total: 51)	abs-2402-00459 [316], TasselGS23 [397], MontemanniD23a [303], AkramNHRSA23 [8], IsikYA23 [213], abs-2306-05747 [398], PerezGSL23 [338], JuvinHHL23 [217], PopovicCGNC22 [346], PohlAK22 [344], GeitzGSSW22 [160], CampeauG22 [88], ZhangJZL22 [454], WinterMMW22 [438], ArmstrongGOS22 [16], HubnerGSV21 [211], VlkHT21 [429], PandeyS21a [333], HamPK21 [184], WessenCS20 [436], MengZRZL20 [297], GodetLHS20 [167], SacramentoSP20 [362], AstrandJZ20 [24], BadicaBIL19 [26], Novas19 [321], MurinR19 [309], GurEA19 [465], Tesch18 [402]... (Total: 72)
Concepts	continuous-process			GaySS14 [154], Bartak02 [35], SimonisC95 [385]
Concepts	distributed	PrataAN23 [351], NaderiRR23 [312], MengZRZL20 [297], He0GLW18 [188], BridiLBBM16 [84], BridiBLMB16 [83], ZhouGL15 [460], BonfiettiLM14 [74], BartakS11 [38], BartakSR10 [39], RuggieroBBMA09 [361], HoeveGSL07 [415], RossiTHP07 [360], GomesHS06 [172], Geske05 [162], LammaMM97 [256]	IsikYA23 [213], OujanaAYB22 [331], JungblutK22 [216], AbreuN22 [108], YuraszeckMPV22 [449], NishikawaTT19 [319], BorghesiBLMB18 [78], ZhangW18 [456], ZarandiKS16 [451], AlesioNBG14 [118], BegB13 [46], HermenierDL11 [201], LopesCSM10 [280], SunLYL10 [390], BeniniBGM06 [57], ZhuS02 [461], SchildW00 [367], Wallace96 [430]	YuraszeckMC23 [448], KimCMLLP23 [231], Bit-Monnot23 [63], AlfieriGPS23 [10], MontemanniD23 [304], abs-2305-19888 [197], SquillaciPR23 [387], GurPAE23 [181], AkramNHRSA23 [8], abs-2211-14492 [389], HeinzNVH22 [196], TouatBT22 [407], BoudreaultSLQ22 [80], Teppan22 [400], ColT22 [100], LiFJZLL22 [262], WinterMMW22 [438], HamPK21 [184], GeibingerKKMMW21 [156], PandeyS21a [333], FanXG21 [135], BenderWS21 [54], KovacsTKSG21 [244], ZhangYW21 [455], VlkHT21 [429], SacramentoSP20 [362], GroleazNS20a [177], BarzegaranZP20 [42], WangB20 [432]... (Total: 90)
Concepts	due-date	OujanaAYB22 [331], ColT22 [100], FanXG21 [135], AntuoriHHEN21 [13], TangB20 [394], Mercier-AubinGQ20 [298], abs-1902-09244 [187], Novas19 [321], abs-1911-04766 [157], HauderBRPA19 [186], Tesch18 [402], GoldwaserS17 [170], NovaraNH16 [320], DoulabiRP14 [122], KoschB14 [237], HoundjiSWD14 [210], LimtanyakulS12 [268], KelbelH11 [227], NovasH10 [322], ZeballosQH10 [453], BartakSR10 [39], MonetteDH09 [302], Simonis07 [384], KrogtLPHJ07 [414], Hooker06 [207], Sadykov04 [363], PapaB98 [335], Zhou97 [459], Zhou96 [458], Colombani96 [101]	PrataAN23 [351], LacknerMMWW23 [254], IsikYA23 [213], NaderiRR23 [312], abs-2211-14492 [389], WinterMMW22 [438], LacknerMMWW21 [253], GeibingerMM21 [159], GroleazNS20a [177], GeibingerMM19 [158], FahimiOQ18 [132], ZarandiKS16 [451], GrimesIOS14 [176], HeinzSB13 [195], GrimesH11 [174], LombardiM10a [275], MakMS10 [288], SchuttW10 [374], Davenport10 [105], ThiruvadyBME09 [403], abs-0907-0939 [341], MouraSCL08a [306], Limtanyakul07 [267], Hooker05a [206], ZeballosH05 [452], ChuX05 [95], QuirogaZH05 [356], ArtiguesR00 [19], BelhadjiI98 [53]... (Total: 31)	abs-2402-00459 [316], YuraszeckMC23 [448], KimCMLLP23 [231], JuvinHHL23 [217], ZhangJZL22 [454], SubulanC22 [388], TouatBT22 [407], YuraszeckMPV22 [449], MullerMKP22 [308], KlankeBYE21 [232], HubnerGSV21 [211], Bedhief21 [45], KovacsTKSG21 [244], VlkHT21 [429], HanenKP21 [185], LunardiBLRV20 [283], GroleazNS20 [178], AstrandJZ20 [24], ParkUJR19 [336], EscobetPQPRA19 [129], GedikKEK18 [155], LaborieRSV18 [252], Laborie18a [251], Ham18 [183], Pralet17 [349], Hooker17 [208], NattafAL15 [313], PraletLJ15 [350], HeinzB12 [191]... (Total: 58)
Concepts	earliness	PrataAN23 [351], KimCMLLP23 [231], TouatBT22 [407], PohlAK22 [344], abs-1902-09244 [187], HauderBRPA19 [186], LaborieRSV18 [252], ZarandiKS16 [451], LombardiM12 [278], KelbelH11 [227], GrimesH11 [174], Laborie09 [250], MonetteDH09 [302], KeriK07 [228], DannaP03 [103]	MengZRZL20 [297], KovacsB11 [239], Davenport10 [105]	abs-2402-00459 [316], NaderiRR23 [312], IsikYA23 [213], AlfieriGPS23 [10], LacknerMMWW23 [254], FanXG21 [135], LacknerMMWW21 [253], Mercier-AubinGQ20 [298], ColT19 [99], ZhangW18 [456], NovaraNH16 [320], VilimLS15 [427], LimBTBB15 [266], SialaAH15 [380], HeinzB12 [191], EdisO11 [124], KovacsK11 [241], ZeballosQH10 [453], NovasH10 [322], KovacsV06 [243], QuirogaZH05 [356], Bartak02a [34], KamarainenS02 [219], Bartak02 [35], ArtiguesR00 [19]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	flow-shop	PrataAN23 [351], CzerniachowskaWZ23 [102], NaderiRR23 [312], AlfieriGPS23 [10], IsikYA23 [213], JuvinHL23 [218], ArmstrongGOS22 [16], OujanaAYB22 [331], ColT22 [100], ZhangJZL22 [454], AbreuN22 [108], LiFJZLL22 [262], QinWSLS21 [353], ArmstrongGOS21 [15], Bedhief21 [45], MengZRZL20 [297], AstrandJZ20 [24], Novas19 [321], ParkUJR19 [336], ZhangW18 [456], ZhouGL15 [460]	Mehdizadeh-Somarin23 [295], YuraszeckMPV22 [449], KoehlerBFFHPSSS21 [234], FanXG21 [135], TangB20 [394], HauderBRPA19 [186], abs-1902-09244 [187], LaborieRSV18 [252], GrimesH11 [174], KovacsB11 [239], BartakSR10 [39], AggounB93 [6]	TasselGS23 [397], AalianPG23 [1], YuraszeckMCCR23 [450], abs-2305-19888 [197], JuvinHHL23 [217], abs-2306-05747 [398], abs-2211-14492 [389], TouatBT22 [407], HeinzNVH22 [196], Teppan22 [400], LacknerMMWW21 [253], HillTV21 [202], KovacsTKSG21 [244], PandeyS21a [333], HamPK21 [184], WallaceY20 [431], SacramentoSP20 [362], LunardiBLRV20 [283], WikarekS19 [437], RiahiNS018 [358], ZarandiKS16 [451], OzturkTHO13 [332], LombardiM12 [278], BillautHL12 [62], KovacsK11 [241], BartakCS10 [37], GrimesH10 [173], LauLN08 [257], BarlattCG08 [33]... (Total: 37)
Concepts	flow-time	YuraszeckMPV22 [449], FanXG21 [135], NattafM20 [315], MalapertN19 [289], ZhangW18 [456]	PrataAN23 [351], AlfieriGPS23 [10]	TasselGS23 [397], abs-2306-05747 [398], YuraszeckMC23 [448], YuraszeckMCCR23 [450], LiFJZLL22 [262], AbreuN22 [108], KoehlerBFFHPSSS21 [234], MengZRZL20 [297], ParkUJR19 [336], Novas19 [321], KovacsB11 [239], EdisO11 [124], QuirogaZH05 [356]
Concepts	inventory	SubulanC22 [388], GilesH16 [163], GoelSHFS15 [168], SerraNM12 [375], LopesCSM10 [280], RossiTHP07 [360], Timpe02 [404], BeckDF97 [43]	Novas19 [321], MakMS10 [288], LauLN08 [257], MouraSCL08a [306], DavenportKRSH07 [106], GarganiR07 [148]	PrataAN23 [351], PerezGSL23 [338], abs-2312-13682 [339], AlfieriGPS23 [10], GurPAE23 [181], AbreuN22 [108], PohlAK22 [344], HubnerGSV21 [211], KovacsTKSG21 [244], GroleazNS20a [177], GroleazNS20 [178], abs-1902-09244 [187], YounespourAKE19 [445], WikarekS19 [437], HauderBRPA19 [186], Ham18 [183], LaborieRSV18 [252], ShinBBHO18 [378], SchuttS16 [373], SimoninAHL15 [382], HoundjiSWD14 [210], KelarevaTK13 [226], HeinzSSW12 [193], LombardiM12 [278], KelbelH11 [227], Laborie09 [250], MouraSCL08 [307], KrogtLPHJ07 [414], QuirogaZH05 [356], SimonisC95 [385]
Concepts	job	PrataAN23 [351], abs-2402-00459 [316], KimCMLLP23 [231], JuvinHHL23 [217], AlfieriGPS23 [10], YuraszeckMC23 [448], IsikYA23 [213], WangB23 [433], LacknerMMWW23 [254], Bit-Monnot23 [63], CzerniachowskaWZ23 [102], abs-2306-05747 [398], NaderiRR23 [312], JuvinHL23 [218], TasselGS23 [397], MehdiZadeh-Somarin23 [295], YuraszeckMCCR23 [450], LiFJZLL22 [262], TouatBT22 [407], GeitzGSSW22 [160], MullerMKP22 [308], WinterMMW22 [438], ArmstrongGOS22 [16], OujanaAYB22 [331], AbreuN22 [108], ZhangJZL22 [454], abs-2211-14492 [389], Teppan22 [400], YuraszeckMPV22 [449]... (Total: 161)	EfthymiouY23 [125], abs-2305-19888 [197], HeinzNVH22 [196], BourreauGGLT22 [81], LuoB22 [285], HanenKP21 [185], Mercier-AubinGQ20 [298], Tom19 [405], EscobetPQPRA19 [129], GurEA19 [465], PourDERB18 [347], CappartS17 [89], NattafAL17 [314], ZarandiKS16 [451], Madi-WambaB16 [286], LetortCB15 [261], ZhouGL15 [460], PraletLJ15 [350], BonfiettiLBM14 [72], BonfiettiLM14 [74], LombardiM12 [278], KovacsK11 [241], Simonis07 [384], KovacsV06 [243], Hooker06 [207], Geske05 [162], Hooker05 [205], HebrardTW05 [189], KovacsV04 [242]... (Total: 35)	PovedaAA23 [348], CampeauG22 [88], PohlAK22 [344], KlankeBYE21 [232], HubnerGSV21 [211], AntuoriHHEN21 [13], BenderWS21 [54], WessenCS20 [436], QinDCS20 [354], FrimodigS19 [144], TangLWSK18 [395], HoYCLLC18 [203], BaptisteB18 [28], ShinBBHO18 [378], HechingH16 [190], NovaraNH16 [320], BurtLPS15 [86], WangMD15 [434], LimBTBB15 [266], LombardiBM15 [272], MelgarejoLS15 [7], BessiereHMQW14 [61], DerrienPZ14 [117], KameugneFSN14 [224], AlesioNBG14 [118], BonfiettiLM13 [73], BonfiettiM12 [75], BonfiettiLBM12 [71], IfrimOS12 [212]... (Total: 63)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	job-shop	abs-2402-00459 [316], PrataAN23 [351], abs-2306-05747 [398], Mehdizadeh-Somarin23 [295], KimCMLLP23 [231], CzerniachowskaWZ23 [102], JuvinHHL23 [217], Bit-Monnot23 [63], NaderiRR23 [312], YuraszeckMCCR23 [450], TasselGS23 [397], MullerMKP22 [308], Teppan22 [400], OujanaAYB22 [331], abs-2211-14492 [389], YuraszeckMPV22 [449], LiFJZLL22 [262], GeitzGSSW22 [160], ColT22 [100], HamPK21 [184], KovacsTKSG21 [244], FanXG21 [135], ZhangYW21 [455], MengZRZL20 [297], LunardiBLRV20 [283], AstrandJZ20 [24], MurinR19 [309], Novas19 [321], ColT19 [99]... (Total: 70)	IsikYA23 [213], EfthymiouY23 [125], AlfieriGPS23 [10], TouatBT22 [407], AbreuN22 [108], LuoB22 [285], QinWSLS21 [353], ArmstrongGOS21 [15], Astrand0F21 [22], KoehlerBFFHPSSS21 [234], GroleazNS20 [178], SacramentoSP20 [362], EscobetPQPRA19 [129], WikarekS19 [437], MossigeGSMC17 [305], CappartS17 [89], BonfiettiLM14 [74], GaySS14 [154], BonfiettiLBM14 [72], LombardiM12 [278], AronssonBK09 [17], LauLN08 [257], KovacsV06 [243], VilimBC05 [426], HebrardTW05 [189], Geske05 [162], VilimBC04 [425], KovacsV04 [242], BaptisteP00 [31]... (Total: 34)	YuraszeckMC23 [448], PovedaAA23 [348], LacknerMMWW23 [254], JuvinHL23 [218], HanenKP21 [185], KlankeBYE21 [232], AntuoriHHEN21 [13], BenediktMH20 [55], WessenCS20 [436], Mercier-AubinGQ20 [298], WallaceY20 [431], Tom19 [405], GurEA19 [465], HauderBRPA19 [186], FrimodigS19 [144], BogaerdtW19 [413], abs-1902-09244 [187], ParkUJR19 [336], BenediktSMVH18 [56], Ham18 [183], ZarandiKS16 [451], PraletLJ15 [350], LimBTBB15 [266], LombardiBM15 [272], ZhouGL15 [460], WangMD15 [434], BurtLPS15 [86], KameugneFSN14 [224], AlesioNBG14 [118]... (Total: 70)
Concepts	lateness	FahimiOQ18 [132], KoschB14 [237], BartakSR10 [39], Geske05 [162], ArtiguesR00 [19]	PrataAN23 [351], PohlAK22 [344], ZhangW18 [456], AkkerDH07 [412], Sadykov04 [363]	LacknerMMWW23 [254], GeitzGSSW22 [160], ColT22 [100], KoehlerBFFHPSSS21 [234], HanenKP21 [185], QinWSLS21 [353], LacknerMMWW21 [253], Novas19 [321], ParkUJR19 [336], Tesch18 [402], EdisO11 [124], NovasH10 [322], Bartak02 [35]
Concepts	lazy clause generation	KreterSS17 [246], KreterSS15 [245], SchuttFS13 [370], KelarevaTK13 [226], SchuttFS13a [369], SchuttFSW11 [372], SchuttFSW09 [371]	PovedaAA23 [348], Bit-Monnot23 [63], BoudreaultSLQ22 [80], GeitzGSSW22 [160], OuelletQ22 [330], FahimiOQ18 [132], SchuttS16 [373], SzerediS16 [393], SialaAH15 [380], BofilLEGPSV14 [67], GuSS13 [180], SchuttCSW12 [368]	WangB23 [433], TardivoDFMP23 [396], KameugneFND23 [222], FetgoD22 [138], GeibingerMM21 [159], HillTV21 [202], GodetLHS20 [167], WallaceY20 [431], Mercier-AubinGQ20 [298], YangSS19 [444], BaptisteB18 [28], YoungFS17 [446], BofilCSV17 [66], GoldwaserS17 [170], PesantRR15 [340], LombardiM12 [278], GrimesH11 [174], SchuttW10 [374]
Concepts	machine	abs-2402-00459 [316], PrataAN23 [351], IsikYA23 [213], CzerniachowskaWZ23 [102], YuraszeckMCCR23 [450], NaderiRR23 [312], TasselGS23 [397], Mehdizadeh-Somarin23 [295], AalianPG23 [1], JuvinHL23 [218], PerezGSL23 [338], JuvinHHL23 [217], abs-2312-13682 [339], LacknerMMWW23 [254], EfthymiouY23 [125], abs-2306-05747 [398], AlfieriGPS23 [10], YuraszeckMC23 [448], abs-2305-19888 [197], KimCMLLP23 [231], LiFJZLL22 [262], ArmstrongGOS22 [16], JungblutK22 [216], abs-2211-14492 [389], GeitzGSSW22 [160], YuraszeckMPV22 [449], ZhangJZL22 [454], AbreuN22 [108], Teppan22 [400]... (Total: 152)	Bit-Monnot23 [63], AkramNHRSA23 [8], GurPAE23 [181], LuoB22 [285], HillTV21 [202], KlankeBYE21 [232], AbohashimaEG21 [2], BehrensLM19 [47], BaptisteB18 [28], He0GLW18 [188], Ham18 [183], ShinBBHO18 [378], FahimiOQ18 [132], GoldwaserS17 [170], KreterSS17 [246], Pralet17 [349], BridiLBBM16 [84], SchuttS16 [373], CauwelaertDMS16 [92], ZarandiKS16 [451], SialaAH15 [380], DejemeppeCS15 [111], MurphyMB15 [310], GaySS14 [154], BonfiettiLBM14 [72], LombardiM12 [278], BonfiettiLBM12 [71], BeniniLMR11 [58], KelbelH11 [227]... (Total: 41)	KameugneFND23 [222], MontemanniD23 [304], BoudreaultSLQ22 [80], PopovicCGNC22 [346], SubulanC22 [388], PohlAK22 [344], GeibingerMM21 [159], WallaceY20 [431], WangB20 [432], BarzegaranZP20 [42], Mercier-AubinGQ20 [298], YangSS19 [444], BadicaBIL19 [26], NishikawaSTT19 [319], Tom19 [405], YounespourAKE19 [445], HoYCLLC18 [203], PourDERB18 [347], Laborie18a [251], BofilCSV17 [66], CappartS17 [89], KletzanderM17 [233], YoungFS17 [446], LiuCGM17 [270], LimHTB16 [265], NovaraNH16 [320], SzerediS16 [393], BoothNB16 [77], LetortCB15 [261]... (Total: 92)
Concepts	make to order			OujanaAYB22 [331], DavenportKRSH07 [106], Simonis07 [384]
Concepts	make to stock			

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	make-span	PrataAN23 [351], JuvinHL23 [218], EfthymiouY23 [125], PovedaAA23 [348], AlfieriGPS23 [10], abs-2305-19888 [197], NaderiRR23 [312], TasselGS23 [397], Bit-Monnot23 [63], abs-2306-05747 [398], AalianPG23 [1], CzerniachowskaWZ23 [102], LacknerMMWW23 [254], JuvinHHL23 [217], YuraszeckMC23 [448], IsikYA23 [213], Mehdizadeh-Somarin23 [295], HeinzNVH22 [196], AbreuN22 [108], GeitzGSSW22 [160], BoudreaultSLQ22 [80], SubulanC22 [388], ArmstrongGOS22 [16], TouatBT22 [407], ColT22 [100], KlankeBYE21 [232], HamPK21 [184], BenderWS21 [54], Bedhief21 [45]... (Total: 112)	YuraszeckMCCR23 [450], abs-2312-13682 [339], PerezGSL23 [338], KameugneFND23 [222], MullerMKP22 [308], OujanaAYB22 [331], ZhangJZL22 [454], abs-2211-14492 [389], YuraszeckMPV22 [449], LiFJZLL22 [262], PandeyS21a [333], FanXG21 [135], QinDCS20 [354], AstrandJZ18 [23], KreterSS17 [246], YoungFS17 [446], BonfiettiZLM16 [76], GingrasQ16 [164], SialaAH15 [380], DejemeppeCS15 [111], GayHLS15 [151], BonfiettiLBM14 [72], KameugneFSN14 [224], GuSS13 [180], LombardiM12 [278], BillautHL12 [62], SchuttCSW12 [368], TrojetHL11 [409], KovacsB11 [239]... (Total: 41)	KimCMLLP23 [231], TardivoDFMP23 [396], Teppan22 [400], PopovicCGNC22 [346], CampeauG22 [88], JungblutK22 [216], FetgoD22 [138], HanenKP21 [185], KoehlerBFFHPSSS21 [234], HubnerGSV21 [211], Mercier-AubinGQ20 [298], TangB20 [394], NattafM20 [315], SacramentoSP20 [362], NishikawaSTT19 [319], MurinR19 [309], abs-1911-04766 [157], BadicaBIL19 [26], Tom19 [405], GeibingerMM19 [158], NishikawaSTT18 [317], BorghesiBLMB18 [78], ArbaouiY18 [14], Ham18 [183], NishikawaSTT18a [318], OuelletQ18 [329], KameugneFGOQ18 [221], Tesch18 [402], NattafAL17 [314]... (Total: 79)
Concepts	manpower	NovaraNH16 [320]	LaborieRSV18 [252]	BourreauGGLT22 [81], WikarekS19 [437], BaptisteB18 [28], SchuttS16 [373], HechingH16 [190], GayHS15a [153], GaySS14 [154], LombardiM12 [278], Vilim11 [424], NovasH10 [322], NuijtenP98 [326], SimonisC95 [385], Puget95 [352]
Concepts	multi-agent	BehrensLM19 [47], He0GLW18 [188], HoeveGSL07 [415]	abs-1901-07914 [48], LimHTB16 [265], BartakSR10 [39]	abs-2402-00459 [316], Mehdizadeh-Somarin23 [295], SquillaciPR23 [387], ZhangYW21 [455], WessenCS20 [436], WikarekS19 [437], BadicaBIL19 [26], ZhangW18 [456], LimBTBB15 [266], KoschB14 [237], BartakS11 [38], GomesHS06 [172], AbrilSB05 [3], Wallace96 [430]
Concepts	no preempt			ColT22 [100], TouatBT22 [407], FanXG21 [135], Bedhief21 [45], MengZRZL20 [297], ParkUJR19 [336], MonetteDD07 [301], ArtiguesR00 [19]
Concepts	open-shop	PrataAN23 [351], Bit-Monnot23 [63], NaderiRR23 [312], YuraszeckMPV22 [449], AbreuN22 [108], FahimiOQ18 [132], GrimesHM09 [175], MonetteDD07 [301], FocacciLN00 [139]	SacramentoSP20 [362], MengZRZL20 [297], GrimesH10 [173], Vilim05 [421]	YuraszeckMCCR23 [450], YuraszeckMC23 [448], KimCMLLP23 [231], OujanaAYB22 [331], ColT22 [100], AstrandOF21 [22], AstrandJZ20 [24], ParkUJR19 [336], SialaAH15 [380], BonfiettiLM14 [74], AlesioNBG14 [118], BillautHL12 [62], SchuttFSW11 [372], GrimesH11 [174], BartakSR10 [39], SchuttFSW09 [371], ThiruvadyBME09 [403], VilimBC05 [426], ArtiouchineB05 [20], HentenryckM04 [199], VilimBC04 [425], Vilim03 [419], ElkhyariGJ02a [127], VerfaillieL01 [417]
Concepts	order	abs-2402-00459 [316], PrataAN23 [351], EfthymiouY23 [125], AlfieriGPS23 [10], abs-2312-13682 [339], CzerniachowskaWZ23 [102], TasselGS23 [397], AalianPG23 [1], abs-2306-05747 [398], Bit-Monnot23 [63], JuvinHL23 [218], WangB23 [433], KameugneFND23 [222], LacknerMMWW23 [254], PerezGSL23 [338], JuvinHHL23 [217], SquillaciPR23 [387], IsikYA23 [213], YuraszeckMCCR23 [450], KimCMLLP23 [231], PovedaAA23 [348], PopovicCGNC22 [346], BoudreaultSLQ22 [80], LuoB22 [285], CampeauG22 [88], AbreuN22 [108], BourreauGGLT22 [81], GeitzGSSW22 [160], ColT22 [100]... (Total: 268)	MontemanniD23a [303], abs-2305-19888 [197], NaderiRR23 [312], TardivoDFMP23 [396], YuraszeckMC23 [448], GurPAE23 [181], OuelletQ22 [330], ArmstrongGOS22 [16], WinterMMW22 [438], HeinzNVH22 [196], JungblutK22 [216], TouatBT22 [407], BenderWS21 [54], GeibingerMM21 [159], HillTV21 [202], QinDCS20 [354], WallaceY20 [431], TangB20 [394], ColT19 [99], BogaerdTW19 [413], FrohnerTR19 [145], YounespourAKE19 [445], DemirovicS18 [114], ShinBBHO18 [378], BaptisteB18 [28], NattafAL17 [314], BofillCSV17 [66], GelainPRVW17 [161], FontaineMH16 [140]... (Total: 74)	MontemanniD23 [304], AkramNHRSA23 [8], Mehdizadeh-Somarin23 [295], ZhangJZL22 [454], AbohashimaEG21 [2], ZhangYW21 [455], KucukY19 [249], abs-1902-01193 [9], GalleguillosKSB19 [147], ArbaouiY18 [14], BenediktSMVH18 [56], He0GLW18 [188], Hooker17 [208], SzerediS16 [393], HechingH16 [190], BridiLBBM16 [84], GayHS15a [153], DoulabiRP14 [122], GuSS13 [180], LombardiM13 [279], SchuttFS13 [370], BonfiettiLM13 [73], HeinzKB13 [192], HeinzB12 [191], BonfiettiLBM11 [70], ChapadosJR11 [94], SunLYL10 [390], MakMS10 [288], BertholdHLLMS10 [60]... (Total: 50)



Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	precedence	abs-2402-00459 [316], PovedaAA23 [348], YuraszeckMCCR23 [450], NaderiRR23 [312], IsikYA23 [213], AlfieriGPS23 [10], JuviniHHL23 [217], FetgoD22 [138], PohlAK22 [344], CampeauG22 [88], BoudreaultSLQ22 [80], GeibingerMM21 [159], HamPK21 [184], HanenKP21 [185], AstrandOF21 [22], HillTV21 [202], KoehlerBFFHPSSS21 [234], FanXG21 [135], HubnerGSV21 [211], ArmstrongGOS21 [15], ZhangYW21 [455], GroleazNS20 [178], SacramentoSP20 [362], AstrandJZ20 [24], Mercier-AubinGQ20 [298], LunardiBLRV20 [283], MengZRZL20 [297], YounespourAKE19 [445], abs-1902-09244 [187]... (Total: 110)	Bit-Monnot23 [63], KameugneFND23 [222], TardivoDFMP23 [396], OujanaAYB22 [331], SubulanC22 [388], ColT22 [100], VlKHT21 [429], AntuoriHHEN21 [13], WessenCS20 [436], QinDCS20 [354], GeibingerMM19 [158], Novas19 [321], abs-1911-04766 [157], ColT19 [99], BogaerdtW19 [413], MurinR19 [309], Ham18 [183], KameugneFGOQ18 [221], Madi-WambaLOBM17 [287], MossigeGSMC17 [305], Madi-WambaB16 [286], GayHLS15 [151], VilimLS15 [427], BurtLPS15 [86], LombardiBM15 [272], WangMD15 [434], BonfiettiLM14 [74], KameugneFSN14 [224], SchuttFS13a [369]... (Total: 56)	PrataAN23 [351], KimCMLLP23 [231], JuviniHL23 [218], TasselGS23 [397], abs-2305-19888 [197], Mehdizadeh-Somarin23 [295], abs-2306-05747 [398], YuraszeckMC23 [448], MullerMKP22 [308], WinterMMW22 [438], abs-2211-14492 [389], HeinzNVH22 [196], BourreauGGLT22 [81], ZhangJZL22 [454], GeitzGSSW22 [160], TouatBT22 [407], KovacsTKSG21 [244], PandeyS21a [333], TangB20 [394], GroleazNS20a [177], BaptisteB18 [28], HeOGLW18 [188], OuelletQ18 [329], DemirovicS18 [114], CappartS17 [89], KreterSS17 [246], BoothNB16 [77], FontaineMH16 [140], Tesch16 [401]... (Total: 72)
Concepts	preempt	JuviniHHL23 [217], PovedaAA23 [348], SubulanC22 [388], HanenKP21 [185], BaptisteB18 [28], FahimiOQ18 [132], ZarandiKS16 [451], EvenSH15 [130], EvenSH15a [131], AlesioNBG14 [118], LombardiM12 [278], BeldiceanuCDP11 [50], KovacsB11 [239], BartakSR10 [39], MonetteDD07 [301], Wolf03 [439], BaptisteP00 [31], PapaB98 [335], PembertonG98 [337], BaptisteP97 [30]	PrataAN23 [351], abs-2305-19888 [197], OuelletQ22 [330], FetgoD22 [138], HeinzNVH22 [196], SacramentoSP20 [362], Mercier-AubinGQ20 [298], LunardiBLRV20 [283], YoungFS17 [446], NattafAL15 [313], SimoninAHL15 [382], OzturkTHO13 [332], SimoninAHL12 [381], SchuttFSW11 [372], SchuttFSW09 [371], Laborie09 [250], KovacsB08 [238], ArtiouchineB05 [20], NuijtenP98 [326]	NaderiRR23 [312], TasselGS23 [397], AalianPG23 [1], TardivoDFMP23 [396], YuraszeckMC23 [448], YuraszeckMCCR23 [450], KameugneFND23 [222], AkramNHRS23 [8], abs-2306-05747 [398], IsikYA23 [213], Mehdizadeh-Somarin23 [295], AbreuN22 [108], TouatBT22 [407], Teppan22 [400], GeitzGSSW22 [160], BoudreaultSLQ22 [80], ColT22 [100], MullerMKP22 [308], OujanaAYB22 [331], JungblutK22 [216], Bedhief21 [45], BenderWS21 [54], FanXG21 [135], QinWSL21 [353], KovacsTKSG21 [244], HubnerGSV21 [211], ZhangYW21 [455], ArmstrongGOS21 [15], HillTV21 [202]... (Total: 104)
Concepts	producer/consumer	SchuttS16 [373], PoderBS04 [343], Kumar03 [248], SimonisC95 [385]	HermenierDL11 [201], BeldiceanuC02 [49]	GeitzGSSW22 [160], KlankeBYE21 [232], LombardiM12a [277], PoderB08 [342], Simonis07 [384], Timpe02 [404], Simonis95 [383]
Concepts	re-scheduling	HamPK21 [184], BarzegaranZP20 [42], ZhangW18 [456], Madi-WambaLOBM17 [287], CappartS17 [89], GrimesIOS14 [176], RendlPHPR12 [357], LombardiM12 [278], IfrimOS12 [212], NovasH10 [322], MartinPY01 [293], ArtiguesR00 [19]	Mehdizadeh-Somarin23 [295], KovacsTKSG21 [244], AstrandJZ20 [24], HoYCLLC18 [203], LimHTB16 [265], LimBTBB15 [266], CobanH10 [98], Acuna-AgostMFG09 [4]	PrataAN23 [351], abs-2312-13682 [339], abs-2306-05747 [398], EfthymiouY23 [125], abs-2305-19888 [197], TasselGS23 [397], GurPAE23 [181], NaderiRR23 [312], PerezGSL23 [338], BourreauGGLT22 [81], HeinzNVH22 [196], ArmstrongGOS22 [16], LuoB22 [285], PohlAK22 [344], YuraszeckMPV22 [449], KlankeBYE21 [232], PandeyS21a [333], ZhangYW21 [455], BenedikMH20 [55], LunardiBLRV20 [283], NishikawaSTT19 [319], YounespourAKE19 [445], GalleguillosKSB19 [147], Tom19 [405], abs-1911-04766 [157], GeibingerMM19 [158], GurEA19 [465], BorghesiBLMB18 [78], HeOGLW18 [188]... (Total: 61)
Concepts	release-date	WinterMMW22 [438], YuraszeckMPV22 [449], HanenKP21 [185], Bedhief21 [45], EscobetPQPRA19 [129], Tesch18 [402], KameugneFSN14 [224], LimtanyakulS12 [268], SerraNM12 [375], KameugneFSN11 [223], KovacsB11 [239], LombardiM10a [275], BartakSR10 [39], abs-0907-0939 [341], AkkerDH07 [412], ArtiouchineB05 [20], Hooker05 [205], Hooker04 [204], Zhou97 [459], Zhou96 [458], Colombani96 [101]	PrataAN23 [351], LacknerMMWW23 [254], LacknerMMWW21 [253], GroleazNS20 [178], GroleazNS20a [177], abs-1911-04766 [157], GeibingerMM19 [158], HeinzSB13 [195], KelbelH11 [227], Laborie09 [250], Limtanyakul07 [267], Simonis07 [384], Hooker06 [207], Hooker05a [206], WuBB05 [443], Sadykov04 [363]	PovedaAA23 [348], IsikYA23 [213], YuraszeckMC23 [448], TouatBT22 [407], PohlAK22 [344], AntuoriHHEN21 [13], GeibingerMM21 [159], ZhangYW21 [455], HillTV21 [202], KovacsTKSG21 [244], GodetLHS20 [167], Novas19 [321], HauderBRPA19 [186], abs-1902-09244 [187], LaborieRSV18 [252], Laborie18a [251], NattafAL17 [314], NattafAL15 [313], DejemeppeCS15 [111], KoschB14 [237], HeinzKB13 [192], BillautHL12 [62], HeinzB12 [191], GrimesH11 [174], KovacsK11 [241], BeniniLMR11 [58], ClercqPBJ11 [97], Davenport10 [105], SchuttW10 [374]... (Total: 43)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low	
Concepts	resource	PrataAN23 [351], abs-2402-00459 [316], JuvinHHL23 [217], KameugneFND23 [222], PovedaAA23 [348], YuraszeckMCCR23 [450], abs-2305-19888 [197], CzerniachowskaWZ23 [102], AlfieriGPS23 [10], NaderiRR23 [312], AalianPG23 [1], WangB23 [433], TardivoDFMP23 [396], GurPAE23 [181], BourreauGGLT22 [81], HeinzNVH22 [196], GeitzGSSW22 [160], LuoB22 [285], AbreuN22 [108], BoudreaultSLQ22 [80], TouatBT22 [407], CampeauG22 [88], SubulanC22 [388], OuelletQ22 [330], ColT22 [100], OujanaAYB22 [331], FetgoD22 [138], KovacsTKSG21 [244], HanenKP21 [185]... (Total: 259)	Caballero23 [87], PerezGSL23 [338], abs-2312-13682 [339], IsikYA23 [213], abs-2306-05747 [398], TasselGS23 [397], Bit-Monnot23 [63], abs-2211-14492 [389], PohlAK22 [344], YuraszeckMPV22 [449], MullerMKP22 [308], WinterMMW22 [438], AstrandOF21 [22], KlankeBYE21 [232], TangB20 [394], LunardiBLRV20 [283], WallaceY20 [431], FrimodigS19 [144], abs-1902-01193 [9], ParkUJR19 [336], HoYCLLC18 [203], GedikKEK18 [155], Ham18 [183], BenediktSMVH18 [56], GelainPRVW17 [161], GoldwaserS17 [170], BoothNB16 [77], ZhouGL15 [460], DoulabiRP14 [122]... (Total: 48)	MontemanniD23 [304], AkramNHRSA23 [8], SquillaciPR23 [387], Teppan22 [400], PopovicCGNC22 [346], ArmstrongGOS22 [16], JungblutK22 [216], ZhangJZL22 [454], AntuoriHHEN21 [13], HamPK21 [184], AbohashimaEG21 [2], KoehlerBFFHPSSS21 [234], ArmstrongGOS21 [15], FanXG21 [135], BarzegaranZP20 [42], NattafM20 [315], BadicaBIL19 [26], KucukY19 [249], ColT19 [99], AstrandJZ18 [23], ZhangW18 [456], KletzanderM17 [233], Hooker17 [208], ZarandiKS16 [451], GayHLS15 [151], MelgarejoLS15 [7], Siala15 [379], MurphyMB15 [310], HoundjiSWD14 [210]... (Total: 49)	
Concepts	scheduling	abs-2402-00459 [316], PrataAN23 [351], TasselGS23 [397], Bit-Monnot23 [63], IsikYA23 [213], AalianPG23 [1], abs-2305-19888 [197], abs-2312-13682 [339], PerezGSL23 [338], abs-2306-05747 [398], JuvinHHL23 [217], TardivoDFMP23 [396], YuraszeckMC23 [448], Mehdizadeh-Somarin23 [295], MontemanniD23 [304], KimCMLLP23 [231], AkramNHRSA23 [8], KameugneFND23 [222], LacknerMMWW23 [254], GurPAE23 [181], PovedaAA23 [348], EfthymiouY23 [125], AlfieriGPS23 [10], SquillaciPR23 [387], Caballero23 [87], CzerniachowskaWZ23 [102], YuraszeckMCCR23 [450], WangB23 [433], MontemanniD23a [303]... (Total: 379)	GayHS15 [152], Kameugne15 [220], BessiereHMQW14 [61], HoundjiSWD14 [210], LetortCB13 [260], LetortBC12 [259], ChapadosJR11 [94], ClercqPBJ11 [97], Baptiste09 [27], Acuna-AgostMFG09 [4], abs-0907-0939 [341], GomesHS06 [172], MoffittPP05 [299], WuBB05 [443], DilkinaDH05 [119], HebrardTW05 [189], Vilim03 [419], ValleMGT03 [411], Vilim02 [418], HookerY02 [209], CestaOS98 [93], FrostD98 [146], Touraivane95 [408]	Hooker17 [208], RossiTHP07 [360], AbrilSB05 [3], VanczaM01 [416]	
Concepts	sequence setup	dependent	GedikKEK18 [155], FocacciLN00 [139]	IsikYA23 [213], YuraszeckMPV22 [449], GeitzGSSW22 [160], MengZRZL20 [297], RiahiNS018 [358], LombardiM12 [278], Simonis07 [384], ArtiguesBF04 [18]	PrataAN23 [351], NaderiRR23 [312], abs-2305-19888 [197], PohlAK22 [344], HeinzNVH22 [196], OujanaAYB22 [331], Bedhief21 [45], HamPK21 [184], ArmstrongGOS21 [15], Mercier-AubinGQ20 [298], MalapertN19 [289], Novas19 [321], KucukY19 [249], ArbaouiY18 [14], LaborieRSV18 [252], Ham18 [183], FahimiOQ18 [132], Pralet17 [349], CauwelaertDMS16 [92], NovaraNH16 [320], DejemeppeCS15 [111], KovacsK11 [241], GrimesH10 [173], Laborie09 [250], DavenportKRSH07 [106], AkkerDH07 [412], VilimBC05 [426], Vilim04 [420], Vilim02 [418]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	setup-time	PrataAN23 [351], LacknerMMWW23 [254], IsikYA23 [213], abs-2305-19888 [197], NaderiRR23 [312], YuraszeckMPV22 [449], PohlAK22 [344], GeitzGSSW22 [160], WinterMMW22 [438], HeinzNVH22 [196], AbreuN22 [108], OujanaAYB22 [331], ColT22 [100], LacknerMMWW21 [253], NattafM20 [315], GroleazNS20 [178], Mercier-AubinGQ20 [298], QinDCS20 [354], LunardiBLRV20 [283], GroleazNS20a [177], MengZRZL20 [297], Novas19 [321], BogaerdtW19 [413], MalapertN19 [289], MurinR19 [309], ArbaouiY18 [14], GedikKEK18 [155], RiahiNS018 [358], ZhangW18 [456]... (Total: 38)	AlfieriGPS23 [10], CzerniachowskaWZ23 [102], KimCMLLP23 [231], LiFJZLL22 [262], Bedhief21 [45], ArmstrongGOS21 [15], FanXG21 [135], AstrandJZ20 [24], LaborieRSV18 [252], NovaraNH16 [320], GaySS14 [154], OzturkTHO13 [332], KelarevaTK13 [226], ThiruvadyBME09 [403], BeniniBGM06 [57], Timpe02 [404], Vilim02 [418]	YuraszeckMCCR23 [450], JuvinHHL23 [217], JuvinHL23 [218], Mehdizadeh-Somarin23 [295], EfthymiouY23 [125], abs-2211-14492 [389], ZhangJZL22 [454], MullerMKP22 [308], Teppan22 [400], HamPK21 [184], ZhangYW21 [455], AbohashimaEG21 [2], BenderWS21 [54], GodetLHS20 [167], BehrensLM19 [47], abs-1902-09244 [187], KucukY19 [249], WikarekS19 [437], HauderBRPA19 [186], FahimiOQ18 [132], GilesH16 [163], ZhouGL15 [460], MelgarejoLS15 [7], GoelSHFS15 [168], SialaAH15 [380], DejemeppeD14 [112], BessiereHMQW14 [61], BillautHL12 [62], BartakCS10 [37]... (Total: 42)
Concepts	stock level	LopesCSM10 [280], SimonisC95 [385]	RossiTHP07 [360], Timpe02 [404]	KhemmoudjPB06 [230]
Concepts	tardiness	PrataAN23 [351], IsikYA23 [213], AlfieriGPS23 [10], KimCMLLP23 [231], LacknerMMWW23 [254], NaderiRR23 [312], WinterMMW22 [438], TouatBT22 [407], AbreuN22 [108], OujanaAYB22 [331], PohlAK22 [344], abs-2211-14492 [389], FanXG21 [135], AntuoriHHEN21 [13], LacknerMMWW21 [253], GroleazNS20a [177], Mercier-AubinGQ20 [298], MengZRZL20 [297], TangB20 [394], abs-1902-09244 [187], HauderBRPA19 [186], ParkUJR19 [336], BogaerdtW19 [413], LaborieRSV18 [252], NovaraNH16 [320], ZarandiKS16 [451], BridiBLMB16 [83], BartoliniBBLM14 [41], LombardiM12 [278]... (Total: 42)	abs-2402-00459 [316], SubulanC22 [388], ColT22 [100], KovacsTKSG21 [244], GroleazNS20 [178], GedikKEK18 [155], Hooker17 [208], NovasH10 [322], BartakSR10 [39], QuirogaZH05 [356], Hooker05 [205]	Mehdizadeh-Somarin23 [295], JuvinHL23 [218], abs-2306-05747 [398], TasselGS23 [397], LiFJZLL22 [262], ZhangJZL22 [454], VlkHT21 [429], HanenKP21 [185], KoehlerBFFHPSSS21 [234], HamPK21 [184], GeibingerMM21 [159], HubnerGSV21 [211], QinWSLS21 [353], Bedhief21 [45], QinDCS20 [354], LunardiBLRV20 [283], Tom19 [405], Novas19 [321], RiahiNS018 [358], ZhangW18 [456], DejemeppeCS15 [111], MelgarejoLS15 [7], ZhouGL15 [460], BurtLPS15 [86], LimBTBB15 [266], SialaAH15 [380], PraletLJ15 [350], KelarevaTK13 [226], CireCH13 [96]... (Total: 43)
Concepts	task	PrataAN23 [351], abs-2402-00459 [316], JuvinHL23 [218], CzerniachowskaWZ23 [102], JuvinHHL23 [217], WangB23 [433], YuraszeckMCCR23 [450], PovedaAA23 [348], abs-2305-19888 [197], KameugneFND23 [222], AkramNHRSA23 [8], LiFJZLL22 [262], CampeauG22 [88], ColT22 [100], SubulanC22 [388], OuelletQ22 [330], FetgoD22 [138], abs-2211-14492 [389], GeitzGSSW22 [160], TouatBT22 [407], HeinzNVH22 [196], JungblutK22 [216], BoudreaultSLQ22 [80], AstrandOF21 [22], HanenKP21 [185], KoehlerBFFHPSSS21 [234], KlankeBYE21 [232], HillTV21 [202], PandeyS21a [333]... (Total: 185)	MontemanniD23a [303], Bit-Monnot23 [63], IsikYA23 [213], MontemanniD23 [304], LacknerMMWW23 [254], SquillaciPR23 [387], YuraszeckMPV22 [449], PopovicCGNC22 [346], MullerMKP22 [308], WinterMMW22 [438], AbreuN22 [108], OujanaAYB22 [331], BenderWS21 [54], HubnerGSV21 [211], GeibingerMM21 [159], BarzegaranZP20 [42], WallaceY20 [431], WikarekS19 [437], DemirovicS18 [114], YoungFS17 [446], LiuCGM17 [270], HechingH16 [190], GayHLS15 [151], Kameugne15 [220], LombardiBM15 [272], BonfiettiLM14 [74], BartoliniBBLM14 [41], BofillEGPSV14 [67], BonfiettiLBM14 [72]... (Total: 33)	NaderiRR23 [312], TasselGS23 [397], EfthymiouY23 [125], PerezGSL23 [338], abs-2312-13682 [339], Mehdizadeh-Somarin23 [295], TardivoDFMP23 [396], abs-2306-05747 [398], Teppan22 [400], ZhangJZL22 [454], ArmstrongGOS22 [16], ZhangYW21 [455], FanXG21 [135], AntuoriHHEN21 [13], LacknerMMWW21 [253], HamPK21 [184], AstrandJZ20 [24], SacramentoSP20 [362], BenediktMH20 [55], MengZRZL20 [297], ParkUJR19 [336], MurinR19 [309], abs-1902-09244 [187], HauderBRPA19 [186], FrimodigS19 [144], abs-1902-01193 [9], MalapertN19 [289], TangLWSK18 [395], Laborie18a [251]... (Total: 76)
Concepts	temporal constraint reasoning			BartakSR10 [39], KeriK07 [228], FortinZDF05 [141]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	transportation	CzerniachowskaWZ23 [102], ArmstrongGOS22 [16], PohlAK22 [344], BourreauGGLT22 [81], GeitzGSSW22 [160], ArmstrongGOS21 [15], QinDCS20 [354], SacramentoSP20 [362], MurinR19 [309], Ham18 [183], PourDERB18 [347], TangLWSK18 [395], GoelSHFS15 [168], NovasH14 [324], KelarevaTK13 [226], NovasH12 [323], HachemiGR11 [182], LopesCSM10 [280], ZeballosH05 [452]	NaderiRR23 [312], KimCMLLP23 [231], AbreuN22 [108], SubulanC22 [388], PopovicCGNC22 [346], AbohashimaEG21 [2], MengZRZL20 [297], LaborieRSV18 [252], EvenSH15 [130], MelgarejoLS15 [7], RendIPHR12 [357], MakMS10 [288], MouraSCL08a [306], MouraSCL08 [307], LimRX04 [264], Mason01 [294], ArtiguesR00 [19], Wallace96 [430]	AalianPG23 [1], IsikYA23 [213], abs-2312-13682 [339], WangB23 [433], MontemanniD23a [303], PerezGSL23 [338], AlfieriGPS23 [10], ColT22 [100], BoudreaultSLQ22 [80], abs-2211-14492 [389], ZhangJZL22 [454], YuraszeckMPV22 [449], LiFJZLL22 [262], AntuoriHHEN21 [13], Bedhief21 [45], HubnerGSV21 [211], GroleazNS20a [177], WallaceY20 [431], Novas19 [321], abs-1902-09244 [187], Tom19 [405], HauderBRPA19 [186], ZhangW18 [456], ShinBBHO18 [378], HeOGLW18 [188], GedikKEK18 [155], LiuCGM17 [270], GoldwasserS17 [170], KletzanderM17 [233]... (Total: 55)
Classification	2BPHFSP	TangB20 [394]		
Classification	BPCTOP	KelarevaTK13 [226]		
Classification	Bulk Port Cargo Throughput Optimi- sation Problem			KelarevaTK13 [226]
Classification	CECSP	NattafAL17 [314], NattafAL15 [313]		
Classification	CHSP	EfthymiouY23 [125], WallaceY20 [431]		
Classification	CTW	KoehlerBFFHPSSS21 [234]		
Classification	CuSP	KameugneFND23 [222], FetgoD22 [138], Tesch18 [402], KameugneFGOQ18 [221], Tesch16 [401], NattafAL15 [313], DerrienPZ14 [117], KameugneFSN14 [224], KameugneFSN11 [223], SchuttW10 [374]	GingrasQ16 [164], OuelletQ13 [328]	TardivoDFMP23 [396], HanenKP21 [185], DerrienP14 [116]
Classification	EOSP		SquillaciPR23 [387]	
Classification	Earth Observation Scheduling Problem		SquillaciPR23 [387]	
Classification	FJS	WangB23 [433], YuraszeckMCCR23 [450], MullerMKP22 [308], Teppan22 [400], HamPK21 [184], LunardiBLRV20 [283], WangB20 [432], MengZRZL20 [297], Novas19 [321], MossigeGSMC17 [305]	OujanaAYB22 [331], abs-1902-09244 [187], HauderBRPA19 [186], ZhangW18 [456], SchuttFS13 [370]	NaderiRR23 [312], ColT22 [100], ZhouGL15 [460]
Classification	Fixed Job Scheduling	WangB20 [432]	WangB23 [433]	
Classification	GCSP	GroleazNS20 [178]		
Classification	HFF	ArmstrongGOS22 [16], OujanaAYB22 [331], ArmstrongGOS21 [15], ZhouGL15 [460]		
Classification	JSPT		MurinR19 [309]	
Classification	JSSP	JuvinHHL23 [217], YuraszeckMC23 [448], TasselGS23 [397], YuraszeckMCCR23 [450], abs-2306-05747 [398], ColT22 [100], YuraszeckMPV22 [449], GeitzGSSW22 [160], Teppan22 [400], ColT19 [99], Pralet17 [349], KelbelH11 [227], PapaB98 [335], NuijtenP98 [326]	GalleguillosKSB19 [147], LombardiBM15 [272], SialaAH15 [380], BelhadjiI98 [53]	EfthymiouY23 [125], Mehdizadeh-Somarin23 [295], CzerniachowskaWZ23 [102], WikarekS19 [437], PraletLJ15 [350]
Classification	KRFP	KamarainenS02 [219], SakkoutW00 [365]		
Classification	LSFRP	KelarevaTK13 [226]		
Classification	Liner Shipping Fleet Repositioning Problem		KelarevaTK13 [226]	
Classification	MGAP	Darby-DowmanLMZ97 [104]		
Classification	Modified Generalized Assignment Problem			
Classification	OSP	NaderiRR23 [312], LacknerMMWW23 [254], Bit-Monnot23 [63], LacknerMMWW21 [253], GayHLS15 [151]	SquillaciPR23 [387], GrimesHM09 [175], MonetteDD07 [301]	MengZRZL20 [297]
Classification	OSSP	YuraszeckMC23 [448], YuraszeckMPV22 [449], ColT22 [100], AbreuN22 [108]		YuraszeckMCCR23 [450]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Classification	Open Shop Scheduling Problem	AbreuN22 [108]		PrataAN23 [351], Bit-Monnot23 [63], YuraszeckMCCR23 [450], NaderiRR23 [312], YuraszeckMPV22 [449], ColT22 [100], MengZRZL20 [297], SacramentoSP20 [362], GrimesH10 [173], GrimesHM09 [175], MonetteDD07 [301], VerfaillieL01 [417]
Classification	PJSSP		PapaB98 [335]	
Classification	PMSP	NaderiRR23 [312], WinterMMW22 [438], PandeyS21a [333], GodetLHS20 [167], MalapertN19 [289], GedikKEK18 [155]	VlkHT21 [429], NattafM20 [315]	OujanaAYB22 [331], ColT22 [100]
Classification	PP-MS-MMRCPS			
Classification	PTC	NattafM20 [315], MalapertN19 [289]	NaderiRR23 [312]	CzerniachowskaWZ23 [102], Teppan22 [400]
Classification	Pre-emptive Job-Shop scheduling Problem			
Classification	RCPS	YuraszeckMCCR23 [450], PovedaAA23 [348], CampeauG22 [88], BoudreaultSLQ22 [80], SubulanC22 [388], FetgoD22 [138], BenderWS21 [54], GeibingerMM21 [159], HillTV21 [202], HubnerGSV21 [211], GeibingerMM19 [158], abs-1902-09244 [187], HauderBRPA19 [186], abs-1911-04766 [157], LaborieRSV18 [252], TangLWSK18 [395], KameugneFGOQ18 [221], Pralet17 [349], KreterSS17 [246], YoungFS17 [446], BofillCSV17 [66], MossigeGSMC17 [305], SzerediS16 [393], SchuttS16 [373], KreterSS15 [245], VilimLS15 [427], BonfiettiLM13 [73], HeinzSB13 [195], LombardiM12 [278]... (Total: 40)	TardivoDFMP23 [396], Caballero23 [87], KameugneFND23 [222], KovacsTKSG21 [244], GroleazNS20a [177], BaptisteB18 [28], Tesch18 [402], LombardiBM15 [272], NattafAL15 [313], GayHLS15 [151], KameugneFSN14 [224], LombardiM13 [279], KameugneFSN11 [223], HeinzS11 [194], KeriK07 [228], KovacsV06 [243], HeipckeCCS00 [198], ArtiguesR00 [19]	NaderiRR23 [312], GeitzGSSW22 [160], TouatBT22 [407], HanenKP21 [185], ZhangYW21 [455], Mercier-AubinGQ20 [298], WikarekS19 [437], OuelletQ18 [329], FahimiOQ18 [132], GingrasQ16 [164], BonfiettiZLM16 [76], Tesch16 [401], SialaAH15 [380], GayHS15a [153], DerrienPZ14 [117], BonfiettiLM14 [74], BonfiettiLBM14 [72], KoschB14 [237], SchuttFS13a [369], OuelletQ13 [328], SchuttFS13 [370], LetortCB13 [260], BonfiettiM12 [75], BonfiettiLBM12 [71], LombardiBMB11 [273], GrimesH11 [174], Vilim11 [424], LahimerLH11 [255], BonfiettiLBM11 [70]... (Total: 35)
Classification	RCPSDC			CampeauG22 [88], HubnerGSV21 [211]
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow			
Classification	SBSFMMAL	OzturkTHO13 [332]		
Classification	SCC	KimCMLLP23 [231], WolinskiKG04 [441]		PohlAK22 [344], BeniniLMR11 [58], SchausHMCMD11 [366]
Classification	SMSDP			
Classification	Steel-making and continuous casting			
Classification	TCSP	BelhadjiI98 [53]		BartakSR10 [39], LombardiM10a [275]
Classification	TMS	PopovicCGNC22 [346]	BegB13 [46]	CappartS17 [89]
Classification	Temporal Constraint Satisfaction Problem		BelhadjiI98 [53]	BartakSR10 [39], MoffittPP05 [299]
Classification	parallel machine	PrataAN23 [351], abs-2305-19888 [197], IsikYA23 [213], CzerniachowskaWZ23 [102], NaderiRR23 [312], ZhangJZL22 [454], WinterMMW22 [438], HeinzNVH22 [196], OujanaAYB22 [331], PandeyS21a [333], GodetLHS20 [167], MengZRZL20 [297], NattafM20 [315], MalapertN19 [289], GedikKEK18 [155], ArbaouiY18 [14], EdisO11 [124]	Teppan22 [400], ColT22 [100], Bedhief21 [45], SacramentoSP20 [362], ParkUJR19 [336], Novas19 [321], BogaerdtW19 [413], BenediktSMVH18 [56], ZhouGL15 [460], KovacsB11 [239], AkkerDH07 [412]	KimCMLLP23 [231], JuvinHHL23 [217], LacknerMMWW23 [254], Mehdizadeh-Somarin23 [295], AlfieriGPS23 [10], ArmstrongGOS22 [16], HamPK21 [184], LacknerMMWW21 [253], HanenKP21 [185], FanXG21 [135], AbohashimaEG21 [2], AstrandJZ20 [24], GroleazNS20a [177], QinDCS20 [354], NishikawaSTT19 [319], Ham18 [183], LaborieRSV18 [252], BaptisteB18 [28], KletzanderM17 [233], KreterSS17 [246], FontaineMH16 [140], BurtLPS15 [86], KreterSS15 [245], NovasH14 [324], LombardiM12 [278], LahimerLH11 [255], ArtiouchineB05 [20], Sadykov04 [363]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Classification	psplib	TardivoDFMP23 [396], OuelletQ18 [329], GayHS15a [153], LetortCB15 [261], KameugneFSN14 [224], DerrienP14 [116], SchuttFS13a [369], HeinzSB13 [195], SchuttFSW11 [372], BertholdHLMs10 [60], SchuttFSW09 [371]	KameugneFND23 [222], BoudreaultSLQ22 [80], HillTV21 [202], Tesch18 [402], FahimiOQ18 [132], BaptisteB18 [28], SzerediS16 [393], Tesch16 [401], GingrasQ16 [164], GayHLS15 [151], VilimLS15 [427], LombardiBM15 [272], BonfiettiLM14 [74], LetortCB13 [260], LombardiM12a [277], LetortBC12 [259], HeinzS11 [194], Vilim11 [424], SchuttW10 [374]	LaborieRSV18 [252], Pralet17 [349], YoungFS17 [446], BofilCSV17 [66], LombardiM13 [279], OuelletQ13 [328], LombardiM12 [278], KameugneFSN11 [223], LiessM08 [263], FortinZDF05 [141], ElkhyariGJ02a [127]
Classification	single machine	PrataAN23 [351], AlfieriGPS23 [10], LacknerMMWW23 [254], TouatBT22 [407], HamPK21 [184], BenediktMH20 [55], BogaerdTW19 [413], KovacsB11 [239], ThiruvadyBME09 [403]	YuraszeckMPV22 [449], PandeyS21a [333], Bedhief21 [45], HillTV21 [202], KoehlerBFFHPSSS21 [234], LacknerMMWW21 [253], NattafM20 [315], BenediktSMVH18 [56], Tesch18 [402], KoschB14 [237], BillautHL12 [62], KovacsK11 [241], AkkerDH07 [412], Sadykov04 [363], OddiPCC03 [327], SchildW00 [367]	abs-2402-00459 [316], IsikYA23 [213], NaderiRR23 [312], Mehdizadeh-Somarin23 [295], GeitzGSSW22 [160], AbreuN22 [108], ColT22 [100], abs-2211-14492 [389], PohlAK22 [344], ZhangJZL22 [454], LiFJZLL22 [262], FanXG21 [135], QinWSLS21 [353], KovacsTKSG21 [244], TangB20 [394], GodetLHS20 [167], ParkUJR19 [336], Tom19 [405], MalapertN19 [289], GedikKEK18 [155], AstrandJZ18 [23], ArbaouiY18 [14], MossigeGSMC17 [305], ZarandiKS16 [451], DejemeppeCS15 [111], MelgarejoLS15 [7], BurtLPS15 [86], HoundjiSWD14 [210], NovasH14 [324]... (Total: 46)
Constraints	alldifferent	JuvinHHL23 [217], KoehlerBFFHPSSS21 [234], Simonis07 [384]	GodetLHS20 [167], BessiereHMQW14 [61], KelarevaTK13 [226]	WangB23 [433], ColT22 [100], BourreauGGLT22 [81], AstrandJZ20 [24], WangB20 [432], FahimiOQ18 [132], MelgarejoLS15 [7], AlesioNBG14 [118], ClercqPBJ11 [97], HermenierDL11 [201], HachemiGR11 [182], TrojetHL11 [409], LopesCSM10 [280]
Constraints	alternative constraint	LaborieRSV18 [252]	abs-2305-19888 [197], MurinR19 [309]	LacknerMMWW23 [254], NaderiRR23 [312], WinterMMW22 [438], ZhangJZL22 [454], HeinzNVH22 [196], ArmstrongGOS21 [15], HubnerGSV21 [211], PandeyS21a [333], VlkHT21 [429], HillTV21 [202], MengZRZL20 [297], SacramentoSP20 [362], YounespourAKE19 [445], EscobetPQPRA19 [129], GeibingerMM19 [158], NishikawaSTT19 [319], GalleguillosKSB19 [147], MalapertN19 [289], abs-1911-04766 [157], ArbaouiY18 [14], Laborie18a [251], NishikawaSTT18a [318], NishikawaSTT18 [317], CappartS17 [89], NovaraNH16 [320], PraletLJ15 [350], BartoliniBBLM14 [41], SchuttFS13 [370], HeinzB12 [191], Laborie09 [250]
Constraints	alwaysIn	PopovicCGNC22 [346], SerraNM12 [375]	AalianPG23 [1], LuoB22 [285], TangB20 [394], MalapertN19 [289], LaborieRSV18 [252], GoelSHFS15 [168]	CampeauG22 [88], KreterSS17 [246]
Constraints	bin-packing	TangB20 [394], LetortCB15 [261], LetortCB13 [260], HeinzSSW12 [193], LetortBC12 [259], SchausHMCMD11 [366]	LuoB22 [285], FrimodigS19 [144], BaptisteB18 [28], GarganiR07 [148], SakkoutW00 [365], SchildW00 [367]	abs-2402-00459 [316], LacknerMMWW23 [254], AkramNHRS23 [8], abs-2211-14492 [389], ArmstrongGOS21 [15], GodetLHS20 [167], Madi-WambaLOBM17 [287], KoschB14 [237], DoulabiRP14 [122], LimtanyakulS12 [268], EdisO11 [124], HermenierDL11 [201], BeldiceanuCDP11 [50], KovacsB08 [238], HentenryckM08 [200], Simonis07 [384], DavenportKRSH07 [106], AggounB93 [6]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Constraints	circuit	MontemanniD23a [303], KlankeBYE21 [232], Mercier-AubinGQ20 [298], RuggieroBBMA09 [361], GruianK98 [179], Wallace96 [430]	WessenCS20 [436], KrogLPHJ07 [414], KuchcinskiW03 [247], DincbasSH90 [120]	PrataAN23 [351], IsikYA23 [213], MontemanniD23 [304], JungblutK22 [216], ColT22 [100], MullerMKP22 [308], KoehlerBFFHPSSS21 [234], ArmstrongGOS21 [15], WallaceY20 [431], GroleazNS20 [178], EscobetPQPRA19 [129], TangLWSK18 [395], Hooker17 [208], HechingH16 [190], BridiBLMB16 [83], MelgarejoLS15 [7], MurphyMB15 [310], HoundjiSWD14 [210], BonfiettiLBM14 [72], CireCH13 [96], SchuttFS13a [369], LombardiM12 [278], BeniniLMR11 [58], SchuttFSW11 [372], CobanH10 [98], Hooker06 [207], QuSN06 [355], Hooker05a [206], Hooker05 [205]... (Total: 36)
Constraints	cumulative	PovedaAA23 [348], TardivoDFMP23 [396], NaderiRR23 [312], AalianPG23 [1], KameugneFND23 [222], IsikYA23 [213], LacknerMMWW23 [254], FetgoD22 [138], PohlAK22 [344], OuelletQ22 [330], ZhangJZL22 [454], LuoB22 [285], BoudreaultSLQ22 [80], LacknerMMWW21 [253], HanenKP21 [185], KovacsTKSG21 [244], SacramentoSP20 [362], Mercier-AubinGQ20 [298], WallaceY20 [431], GodetLHS20 [167], GroleazNS20a [177], GroleazNS20 [178], YangSS19 [444], abs-1911-04766 [157], Novas19 [321], MalapertN19 [289], GeibingerMM19 [158], LaborieRSV18 [252], KameugneFGOQ18 [221]... (Total: 114)	PrataAN23 [351], abs-2402-00459 [316], EfthymiouY23 [125], abs-2312-13682 [339], PerezGSL23 [338], ColT22 [100], CampeauG22 [88], GeitzGSSW22 [160], AbreuN22 [108], HubnerGSV21 [211], HillTV21 [202], KlankeBYE21 [232], NattafM20 [315], GalleguillosKSB19 [147], NishikawaSTT19 [319], BorghesiBLMB18 [78], GedikKEK18 [155], BoothNB16 [77], BonfiettiZLM16 [76], LimHTB16 [265], GayHLS15 [151], BurtLPS15 [86], GuSS13 [180], BonfiettiLM13 [73], LimtanyakulS12 [268], BartakS11 [38], KovacsB11 [239], BartakSR10 [39], GrimesH10 [173]... (Total: 40)	GurPAE23 [181], TasselGS23 [397], abs-2306-05747 [398], abs-2305-19888 [197], Bit-Monnot23 [63], YuraszeckMCCR23 [450], JuvnHHL23 [217], HeinzNVH22 [196], PopovicCGNC22 [346], abs-2211-14492 [389], SubulanC22 [388], ArmstrongGOS22 [16], PandeyS21a [333], KoehlerBFFHPSSS21 [234], GeibingerMM21 [159], ArmstrongGOS21 [15], abs-1902-09244 [187], FrimodigS19 [144], HauderBRPA19 [186], WikarekS19 [437], YounespourAKE19 [445], Laborie18a [251], AstrandJZ18 [23], ZhangW18 [456], Ham18 [183], ArbaouiY18 [14], DemirovicS18 [114], CappartS17 [89], GoldwaserS17 [170]... (Total: 75)
Constraints	cycle	AalianPG23 [1], Astrand0F21 [22], AntuoriHHEN21 [13], AbohashimaEG21 [2], GroleazNS20a [177], WallaceY20 [431], AstrandJZ20 [24], ParkUJR19 [336], BorghesiBLMB18 [78], AstrandJZ18 [23], BridiBLMB16 [83], BonfiettiLBM14 [72], BessiereHMQW14 [61], BegB13 [46], LombardiBMB11 [273], SunLYL10 [390], RuggieroBBMA09 [361], RossiTHP07 [360], WolinskiKG04 [441], KuchcinskiW03 [247], Kumar03 [248], ArtiguesR00 [19], SchildW00 [367], KorbbaaYG99 [235], GruianK98 [179], RodosekW98 [359], ErtIK91 [128]	EfthymiouY23 [125], CampeauG22 [88], KoehlerBFFHPSSS21 [234], HillTV21 [202], HubnerGSV21 [211], GroleazNS20 [178], MossigeGSMC17 [305], SimoninAHL15 [382], PraletLJ15 [350], BurtLPS15 [86], SimoninAHL12 [381], BonfiettiLBM12 [71], HachemiGR11 [182], KovacsB11 [239], BonfiettiLBM11 [70], Vilim11 [424], KovacsB08 [238], Simonis07 [384], LiuJ06 [271], BeniniBGM06 [57], KhemmoudjPB06 [230], OddiPCC03 [327], Wallace96 [430]	Bit-Monnot23 [63], AkramNHRSA23 [8], BourreauGGLT22 [81], AbreuN22 [108], HamPK21 [184], ArmstrongGOS21 [15], FanXG21 [135], TangB20 [394], Mercier-AubinGQ20 [298], QinDCS20 [354], HauderBRPA19 [186], Novas19 [321], BadicaBIL19 [26], abs-1902-09244 [187], KucukY19 [249], EscobetPQPRA19 [129], TangLWSK18 [395], LaborieRSV18 [252], Ham18 [183], KreterSS17 [246], Pralet17 [349], BonfiettiZLM16 [76], MurphyMB15 [310], LetortCB15 [261], DejemeppesCS15 [111], GaySS14 [154], OzturkTHO13 [332], BonfiettiLM13 [73], HeinzB12 [191]... (Total: 58)
Constraints	diffn	ArmstrongGOS21 [15], Simonis07 [384]	BeldiceanuCDP11 [50]	LuoB22 [285], BourreauGGLT22 [81], KreterSS17 [246], KreterSS15 [245], TrojetHL11 [409], Timpe02 [404], GruianK98 [179], SimonisC95 [385], Simonis95 [383]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Constraints	disjunctive	JuvinHHL23 [217], NaderiRR23 [312], Bit-Monnot23 [63], YuraszeckMPV22 [449], BourreauGGLT22 [81], KoehlerBFFHPSSS21 [234], GodetLHS20 [167], LaborieRSV18 [252], FahimiOQ18 [132], NattafAL17 [314], Pralet17 [349], MossigeGSMC17 [305], FontaineMH16 [140], GoelSHFS15 [168], GayHS15a [153], MelgarejoLS15 [7], SialaAH15 [380], SchuttFS13 [370], OzturkTHO13 [332], SchuttFS13a [369], LombardiM12 [278], BeldiceanuCDP11 [50], SchuttFSW11 [372], LopesCSM10 [280], SchuttW10 [374], GrimesH10 [173], BartakSR10 [39], LombardiM10a [275], GrimesHM09 [175]... (Total: 46)	BoudreaultSLQ22 [80], Astrand0F21 [22], GeibingerMM21 [159], SacramentoSP20 [362], AstrandJZ20 [24], YangSS19 [444], DemirovicS18 [114], KameugneFGOQ18 [221], SimoninAHL15 [382], EvenSH15 [130], EvenSH15a [131], GayHS15 [152], VilimLS15 [427], KameugneFSN14 [224], GaySS14 [154], KelbelH11 [227], HeinzS11 [194], GrimesH11 [174], LiessM08 [263], MouraSCL08a [306], MouraSCL08 [307], MonetteDD07 [301], ArtiouchineB05 [20], SchildW00 [367], ArtiguesR00 [19], NuijtenP98 [326], Darby-DowmanLMZ97 [104]	abs-2402-00459 [316], LacknerMMWW23 [254], TardivoDFMP23 [396], abs-2306-05747 [398], KameugneFND23 [222], PovedaAA23 [348], EfthymiouY23 [125], TasselGS23 [397], MullerMKP22 [308], OuelletQ22 [330], ColT22 [100], abs-2211-14492 [389], OujanaAYB22 [331], KlankeBYE21 [232], ZhangYW21 [455], Mercier-AubinGQ20 [298], WallaceY20 [431], KucukY19 [249], abs-1911-04766 [157], WikarekS19 [437], ColT19 [99], AstrandJZ18 [23], OuelletQ18 [329], Ham18 [183], YoungFS17 [446], GoldwaserS17 [170], BoothNB16 [77], GingrasQ16 [164], Tesch16 [401]... (Total: 94)
Constraints	endBeforeStart	SubulanC22 [388], QinDCS20 [354]	NaderiRR23 [312], IsikYA23 [213], PandeyS21a [333], LunardiBLRV20 [283], MengZRZL20 [297], LaborieRSV18 [252], NovaraNH16 [320], Laborie09 [250]	JuvinHHL23 [217], YuraszeckMCCR23 [450], CzerniachowskaWZ23 [102], LacknerMMWW23 [254], JuvinHL23 [218], AalianPG23 [1], Teppan22 [400], CampeauG22 [88], ZhangJZL22 [454], HamPK21 [184], HubnerGSV21 [211], ZhangYW21 [455], LacknerMMWW21 [253], TangB20 [394], SacramentoSP20 [362], BenediktMH20 [55], MurinR19 [309], HauderBRPA19 [186], abs-1902-09244 [187], ParkUJR19 [336], GeibingerMM19 [158], abs-1911-04766 [157], Novas19 [321], NishikawaSTT18a [318], NishikawaSTT18 [317], Ham18 [183]
Constraints	geost	BeldiceanuCDP11 [50]	LetortBC12 [259], PembertonG98 [337]	BeldiceanuCP08 [51]
Constraints	noOverlap	abs-2305-19888 [197], NaderiRR23 [312], IsikYA23 [213], JuvinHHL23 [217], HeinzNVH22 [196], ColT22 [100], PopovicCGNC22 [346], VlkHT21 [429], LunardiBLRV20 [283], QinDCS20 [354], GedikKEK18 [155], MelgarejoLS15 [7]	KimCMLLP23 [231], abs-2306-05747 [398], LacknerMMWW23 [254], TasselGS23 [397], AbreuN22 [108], YuraszeckMPV22 [449], PohlAK22 [344], KlankeBYE21 [232], Bedhief21 [45], BenderWS21 [54], BenediktMH20 [55], MengZRZL20 [297], SacramentoSP20 [362], YounespourAKE19 [445], MalapertN19 [289], MurinR19 [309], abs-1911-04766 [157], EscobetQPRA19 [129], Novas19 [321], LaborieRSV18 [252], ZhangW18 [456], ArbaouiY18 [14], Ham18 [183], NovaraNH16 [320], BoothNB16 [77], GoelSHFS15 [168], PraletLJ15 [350], EdisO11 [124]	JuvinHL23 [218], YuraszeckMC23 [448], AalianPG23 [1], CzerniachowskaWZ23 [102], SquillaciPR23 [387], Teppan22 [400], WinterMMW22 [438], CampeauG22 [88], OujanaAYB22 [331], ArmstrongGOS22 [16], TouatBT22 [407], ZhangJZL22 [454], HamPK21 [184], LacknerMMWW21 [253], GroleazNS20 [178], GroleazNS20a [177], NattafM20 [315], BogaerdTW19 [413], ColT19 [99], GeibingerMM19 [158], KucukY19 [249], ParkUJR19 [336], BenediktSMVH18 [56], CappartS17 [89], HechingH16 [190], VilimLS15 [427], WangMD15 [434], Laborie09 [250]
Constraints	regular expression		FrimodigS19 [144]	
Constraints	span constraint		CappartS17 [89], SchuttFS13 [370], LombardiM10a [275], Darby-DowmanLMZ97 [104]	OujanaAYB22 [331], TangB20 [394], YounespourAKE19 [445], LaborieRSV18 [252], SimoninAHL15 [382], SimoninAHL12 [381], SchuttFSW11 [372]
Constraints	table constraint	LombardiM10a [275], PapaB98 [335]	JelinekB16 [214]	PerezGSL23 [338], abs-2312-13682 [339], ArmstrongGOS21 [15], GayHS15 [152], PesantRR15 [340], MelgarejoLS15 [7], LimtanyakulS12 [268], BeniniLMR11 [58], HermenierDL11 [201], LopesCSM10 [280], MouraSCL08 [307], ElkhayariGJ02 [126]
ProgLanguages	C	KoehlerBFFHPSSS21 [234]		HubnerGSV21 [211], BogaerdTW19 [413], TangLWSK18 [395], LaborieRSV18 [252], HoYCLLC18 [203], LombardiM10a [275], Laborie09 [250], GarridoOS08 [150]



Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ProgLanguages	C++		BourreauGGLT22 [81]	TardivoDFMP23 [396], JuvinHHL23 [217], PopovicCGNC22 [346], ColT22 [100], AntuoriHHEN21 [13], QinWLSL21 [353], AstrandJZ20 [24], Mercier-AubinGQ20 [298], abs-1902-01193 [9], LaborieRSV18 [252], ArbaouiY18 [14], NattafAL17 [314], BoothNB16 [77], Tesch16 [401], NattafAL15 [313], LombardiBMB11 [273], LahimerLH11 [255], KovacsK11 [241], KovacsB11 [239], LopesCSM10 [280], ThiruvadyBME09 [403], MouraSCL08 [307], LiessM08 [263], WatsonB08 [435], MouraSCL08a [306], GarganiR07 [148], DavenportKRSH07 [106], KeriK07 [228], KhemmoudjPB06 [230]... (Total: 37)
ProgLanguages	Java		KuchcinskiW03 [247]	abs-2306-05747 [398], AlfieriGPS23 [10], TasselGS23 [397], KameugneFND23 [222], MullerMKP22 [308], FetgoD22 [138], ColT22 [100], YuraszeckMPV22 [449], OuelletQ22 [330], Teppan22 [400], FanXG21 [135], AntuoriHHEN21 [13], ArmstrongGOS21 [15], SacramentoSP20 [362], TangB20 [394], BarzegaranZP20 [42], abs-1911-04766 [157], FrohnerTR19 [145], Tom19 [405], ColT19 [99], GeibingerMM19 [158], OuelletQ18 [329], LaborieRSV18 [252], KameugneFGQ18 [221], Madi-WambaB16 [286], CauwelaertDMS16 [92], LetortCB15 [261], EvenSH15a [131], GayHS15a [153]... (Total: 45)
ProgLanguages	Julia			Wallace96 [430]
ProgLanguages	Lisp			PopovicCGNC22 [346], ArmstrongGOS22 [16], abs-1902-01193 [9], YangSS19 [444], JelinekB16 [214], LetortCB15 [261], LetortCB13 [260], LetortBC12 [259], TrojetHL11 [409], BeldiceanuCDP11 [50], BartakCS10 [37], AronssonBK09 [17], BeldiceanuCP08 [51], KrogtLPHJ07 [414], Simonis07 [384], QuSN06 [355], Geske05 [162], PoderBS04 [343], Bartak02 [35], BeldiceanuC02 [49], KorbayYG99 [235], Darby-DowmanLMZ97 [104], BrusoniCLMMT96 [85], Goltz95 [171], ErtIK91 [128]
ProgLanguages	Prolog	ArmstrongGOS21 [15], FalaschiGMP97 [133], Zhou97 [459], LammaMM97 [256], Wallace96 [430], Touraivane95 [408], Simonis95 [383], DincbasSH90 [120]	MossigeGSMC17 [305], Madi-WambaLOBM17 [287], MartinPY01 [293], RodosekW98 [359], Zhou96 [458], SimonisC95 [385], AggounB93 [6]	EfthymiouY23 [125], SquillaciPR23 [387], Mehdizadeh-Somarin23 [295], KimCMLLP23 [231], MontemanniD23 [304], PovedaAA23 [348], MontemanniD23a [303], AkramNHRSA23 [8], NaderiRRR23 [312], FetgoD22 [138], PohlAK22 [344], MullerMKP22 [308], LuoB22 [285], CampeauG22 [88], KlankeBYE21 [232], FanXG21 [135], HanenKP21 [185], BenderWS21 [54], AbohashimaEG21 [2], LunardiBLRV20 [283], Mercier-AubinGQ20 [298], FrimodigS19 [144], BehrensLM19 [47], FrohnerTR19 [145], GalleguillosKSB19 [147], abs-1902-01193 [9], abs-1901-07914 [48], He0GLW18 [188], GoldwaserS17 [170], LiuCGM17 [270]
ProgLanguages	Python	KoehlerBFFHPSSS21 [234]	abs-2211-14492 [389], AbreuN22 [108], LaborieRSV18 [252]	PrataAN23 [351], TardivoDFMP23 [396], KameugneFND23 [222], LuoB22 [285], FetgoD22 [138], BourreauGGLT22 [81], PopovicCGNC22 [346], KlankeBYE21 [232], GodetLHS20 [167], abs-1902-01193 [9], BaptisteB18 [28], KameugneFGQ18 [221], MossigeGSMC17 [305], Pralet17 [349], KreterSS17 [246], Madi-WambaB16 [286], FontaineMH16 [140], ZhouGL15 [460], SimoninAHL15 [382], LetortCB15 [261], KreterSS15 [245], GrimesIOS14 [176], KameugneFSN14 [224], DerrienPZ14 [117], OzturkTHO13 [332], SchuttFS13a [369], SimoninAHL12 [381], SchuttCSW12 [368], LetortBC12 [259]... (Total: 48)
CPSystems	CHIP	TrojetHL11 [409], Simonis07 [384], GruianK98 [179], Wallace96 [430], Simonis95 [383], Goltz95 [171], SimonisC95 [385], AggounB93 [6], DincbasSH90 [120]	ArmstrongGOS21 [15], YangSS19 [444], LaborieRSV18 [252], Geske05 [162], PoderBS04 [343], Timpe02 [404], RodosekW98 [359], Zhou97 [459], LammaMM97 [256]	

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	CPO	NaderiRR23 [312], LacknerMMWW23 [254], JuvinHHL23 [217], Bit-Monnot23 [63], CzerniachowskaWZ23 [102], WinterMMW22 [438], ColT22 [100], LacknerMMWW21 [253], ArmstrongGOS21 [15], NattafM20 [315], GroleazNS20 [178], GroleazNS20a [177], SacramentoSP20 [362], GeibingerMM19 [158], ColT19 [99], MalapertN19 [289], LaborieRSV18 [252], KreterSS17 [246], GoelSHFS15 [168], PraletLJ15 [350], Laborie09 [250]	AalianPG23 [1], abs-1911-04766 [157]	JuvinHL23 [218], PovedaAA23 [348], OujanaAYB22 [331], GeibingerMM21 [159], TangB20 [394], Laborie18a [251], Pralet17 [349], VilimLS15 [427], BartakSR10 [39], GarridoAO09 [149], Vilim09 [422], GarridoOS08 [150]
CPSystems	Choco Solver	TasselGS23 [397], abs-2306-05747 [398], LetortCB15 [261], LetortCB13 [260], OuelletQ13 [328], LetortBC12 [259], GrimesHM09 [175], abs-0907-0939 [341], GarridoAO09 [149], GarridoOS08 [150]	KameugneFND23 [222], MullerMKP22 [308], FetgoD22 [138], AntuoriHHEN21 [13], LiuLH19 [269], FahimiOQ18 [132], KameugneFGOQ18 [221], LaborieRSV18 [252], GayHS15 [152], KoschB14 [237], DerrienPZ14 [117], DerrienP14 [116], HermenierDL11 [201], ClercqPBJ11 [97]	BourreauGGLT22 [81], OuelletQ22 [330], GodetLHS20 [167], YangSS19 [444], OuelletQ18 [329], GingrasQ16 [164], Madi-WambaB16 [286], EvenSH15a [131], MurphyMB15 [310], EvenSH15 [130], BessiereHMQW14 [61], BartakSR10 [39], RossiTHP07 [360]
CPSystems	Chuffed	LacknerMMWW23 [254], PovedaAA23 [348], BoudreaultSLQ22 [80], MullerMKP22 [308], LacknerMMWW21 [253], GeibingerMM21 [159], ArmstrongGOS21 [15], KoehlerBFFHPSSS21 [234], WallaceY20 [431], GodetLHS20 [167], abs-1911-04766 [157], YoungFS17 [446], KreterSS17 [246], SzerediS16 [393], KreterSS15 [245]		SchuttS16 [373]
CPSystems	Claire	BaptisteP00 [31]	BaptisteP97 [30]	HanenKP21 [185], PapaB98 [335]
CPSystems	Cplex	CzerniachowskaWZ23 [102], NaderiRR23 [312], SubulanC22 [388], BourreauGGLT22 [81], MullerMKP22 [308], WinterMMW22 [438], HubnerGSV21 [211], GeibingerKKMMW21 [156], KoehlerBFFHPSSS21 [234], PandeyS21a [333], Bedhief21 [45], HamPK21 [184], QinDCS20 [354], SacramentoSP20 [362], LunardiBLRV20 [283], MengZRZL20 [297], MurinR19 [309], GeibingerMM19 [158], abs-1911-04766 [157], NishikawaSTT19 [319], GurEA19 [465], LaborieRSV18 [252], NishikawaSTT18 [317], NishikawaSTT18a [318], KreterSS17 [246], NovaraNH16 [320], KoschB14 [237], HeinzSB13 [195], CireCH13 [96]... (Total: 31)	LacknerMMWW23 [254], Mehdizadeh-Somarin23 [295], IsikYA23 [213], CampeauG22 [88], LuoB22 [285], ColT22 [100], TouatBT22 [407], LacknerMMWW21 [253], KovacsTKSG21 [244], QinWSLS21 [353], ArmstrongGOS21 [15], NattafM20 [315], WallaceY20 [431], HauderBRPA19 [186], abs-1902-09244 [187], MalapertN19 [289], Novas19 [321], HechingH16 [190], VilimLS15 [427], BofillGSV15 [68], NattafAL15 [313], PraletLJ15 [350], BofillEGPSV14 [67], GrimesIOS14 [176], HeinzKB13 [192], HeinzB12 [191], SerraNM12 [375], BillautHL12 [62], LimtanyakulS12 [268]... (Total: 38)	GurPAE23 [181], PovedaAA23 [348], YuraszeckMCCR23 [450], AalianPG23 [1], abs-2211-14492 [389], YuraszeckMPV22 [449], PohlAK22 [344], PopovicCGNC22 [346], AbreuN22 [108], ZhangYW21 [455], GeibingerMM21 [159], FanXG21 [135], VlkHT21 [429], KlankeBYE21 [232], TangB20 [394], GroleazNS20a [177], FrimodigS19 [144], BogaerdtW19 [413], EscobetPQPRA19 [129], KucukY19 [249], Ham18 [183], PourDERB18 [347], TangLWSK18 [395], ZhangW18 [456], GedikKEK18 [155], ArbaouiY18 [14]... (Total: 69)
CPSystems	ECLiPSe	BadicaBIL19 [26], RodosekW98 [359]	SchuttFSW11 [372], KamarainenS02 [219], Darby-DowmanLMZ97 [104], Wallace96 [430]	FanXG21 [135], WikarekS19 [437], ZeballosQH10 [453], SchuttFSW09 [371], BeniniBGM06 [57], ChuX05 [95], QuirogaZH05 [356], MartinPY01 [293], LammaMM97 [256]
CPSystems	Gecode	TardivoDFMP23 [396], AstrandJZ20 [24], BadicaBIL19 [26], SzerediS16 [393], ZhouGL15 [460], GayHS15 [152], KameugneFSN14 [224]	MullerMKP22 [308], AntuoriHHEN21 [13], GeibingerKKMMW21 [156], Astrand0F21 [22], FrohnerTR19 [145], abs-1911-04766 [157], GeibingerMM19 [158], LaborieRSV18 [252], BurtLPS15 [86], BofillEGPSV14 [67], KovacsK11 [241], KameugneFSN11 [223], ThiruvadyBME09 [403]	ArmstrongGOS21 [15], WessenCS20 [436], WallaceY20 [431], MengZRZL20 [297], FrimodigS19 [144], YangSS19 [444], AstrandJZ18 [23], GoldwaserS17 [170], PesantRR15 [340], MonetteDD07 [301]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	Gurobi	WangB23 [433], NaderiRR23 [312], LacknerMMWW23 [254], WinterMMW22 [438], KovacsTKSG21 [244], GeibingerKKMMW21 [156], KoehlerBFFHPSSS21 [234], LacknerMMWW21 [253], WangB20 [432], WallaceY20 [431], FrohnerTR19 [145]	VlkHT21 [429], GoldwaserS17 [170], FontaineMH16 [140]	KimCMLLP23 [231], abs-2305-19888 [197], MontemanniD23 [304], HeinzNVH22 [196], PohlAK22 [344], HubnerGSV21 [211], FanXG21 [135], KlankeBYE21 [232], AbohashimaEG21 [2], BenediktMH20 [55], MengZRZL20 [297], He0GLW18 [188], DemirovicS18 [114], BenediktSMVH18 [56], BurtLPS15 [86], PesantRR15 [340]
CPSystems	Ilog Scheduler	GrimesH11 [174], ZeballosQH10 [453]	LaborieRSV18 [252], NovasH12 [323], HeinzB12 [191], LimtanyakulS12 [268], GrimesHM09 [175], WatsonB08 [435], ZeballosH05 [452], NuijtenP98 [326]	Laborie18a [251], SchuttS16 [373], NovasH14 [324], BeniniLMR11 [58], KovacsB11 [239], SchuttFSW11 [372], LahimerLH11 [255], HachemiGR11 [182], LopesCSM10 [280], NovasH10 [322], Vilim09a [423], RuggieroBBMA09 [361], KovacsB08 [238], MouraSCL08a [306], MouraSCL08 [307], HoeveGSL07 [415], Simonis07 [384], KovacsV06 [243], Hooker06 [207], WuBB05 [443], ArtiouchineB05 [20], QuirogaZH05 [356], Hooker05a [206], Hooker05 [205], KovacsV04 [242], ArtiguesBF04 [18], Hooker04 [204], DannaP03 [103], Bartak02a [34]... (Total: 31)
CPSystems	Ilog Solver		GrimesH11 [174], ZeballosQH10 [453]	abs-1902-01193 [9], LaborieRSV18 [252], ZarandiKS16 [451], PesantRR15 [340], BonfiettiLBM14 [72], NovasH14 [324], OzturkTHO13 [332], BonfiettiLBM12 [71], NovasH12 [323], HeinzB12 [191], LombardiM12a [277], KelbelH11 [227], BonfiettiLBM11 [70], KovacsK11 [241], KovacsB11 [239], TopalogluO11 [406], LombardiM10 [276], LopesCSM10 [280], LombardiM09 [274], RuggieroBBMA09 [361], MouraSCL08a [306], MouraSCL08 [307], KovacsB08 [238], GomesHS06 [172], BeniniBGM06 [57], QuirogaZH05 [356], ZeballosH05 [452], ArtiguesBF04 [18], DannaP03 [103]... (Total: 38)
CPSystems	MiniZinc	LacknerMMWW23 [254], TardivoDFMP23 [396], ColT22 [100], BoudreaultSLQ22 [80], MullerMKP22 [308], JungblutK22 [216], ArmstrongGOS21 [15], KoehlerBFFHPSSS21 [234], LacknerMMWW21 [253], Mercier-AubinGQ20 [298], WallaceY20 [431], abs-1911-04766 [157], ColT19 [99], FrohnerTR19 [145], GeibingerMM19 [158], YoungFS17 [446], LiuCGM17 [270], SzerediS16 [393], BofilLEGPSV14 [67], KelarevaTK13 [226]	PovedaAA23 [348], KreterSS17 [246], KreterSS15 [245]	Bit-Monnot23 [63], OuelletQ22 [330], GeibingerKKMMW21 [156], abs-1901-07914 [48], FrimodigS19 [144], BehrensLM19 [47], DemirovicS18 [114], FontaineMH16 [140], SchuttS16 [373], BurtLPS15 [86], HeinzSB13 [195], SchuttFS13 [370]
CPSystems	Mistral	JuvinHHL23 [217], GrimesHM09 [175]	Bit-Monnot23 [63], BillautHL12 [62]	SialaAH15 [380]
CPSystems	OPL	LacknerMMWW23 [254], MullerMKP22 [308], TouatBT22 [407], ColT22 [100], LacknerMMWW21 [253], PandeyS21a [333], KoehlerBFFHPSSS21 [234], QinDCS20 [354], Novas19 [321], EscobetPQPRA19 [129], TangLWSK18 [395], LaborieRSV18 [252], NovaraNH16 [320], AlesioNBG14 [118], NovasH12 [323], HachemiGR11 [182], ZeballosQH10 [453], Laborie09 [250], KhayatLR06 [229], AggounB93 [6]	SubulanC22 [388], Teppan22 [400], Mercier-AubinGQ20 [298], MurinR19 [309], Laborie18a [251], LimBTBB15 [266], WangMD15 [434], EvenSH15a [131], NovasH14 [324], OzturkTHO13 [332], SerraNM12 [375], HeinzB12 [191], TopalogluO11 [406], EdisO11 [124], KelbelH11 [227], ZibranR11a [463], NovasH10 [322], Simonis07 [384], GarganiR07 [148], KrogTLPHJ07 [414], Hooker06 [207], ZeballosH05 [452], QuirogaZH05 [356], Hooker05a [206], VerfaillieL01 [417], RodosekW98 [359]	abs-2402-00459 [316], GurPAE23 [181], CzerniachowskaWZ23 [102], MontemanniD23 [304], IsikYA23 [213], EfthymiouY23 [125], YuraszeckMCCR23 [450], PerezGSL23 [338], abs-2312-13682 [339], GeitzGSSW22 [160], ArmstrongGOS22 [16], BoudreaultSLQ22 [80], OujanaAYB22 [331], LiFJZLL22 [262], VlkHT21 [429], Bedhief21 [45], HamPK21 [184], QinWSLS21 [353], HubnerGSV21 [211], WallaceY20 [431], MengZRZL20 [297], BogaerdTW19 [413], YounespourAKE19 [445], HauderBRPA19 [186], abs-1902-09244 [187], Tom19 [405], YangSS19 [444], abs-1902-01193 [9], Ham18 [183]... (Total: 65)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	OR-Tools	abs-2402-00459 [316], LacknerMMWW23 [254], abs-2211-14492 [389], ColT22 [100], MullerMKP22 [308], KovacsTKSG21 [244], LacknerMMWW21 [253], KoehlerBFFHPSSS21 [234], ColT19 [99], GayHS15 [152]	EfthymiouY23 [125], BoudreaultSLQ22 [80], GeibingerKKMMW21 [156], BarzegaranZP20 [42], LiuCGM17 [270]	Bit-Monnot23 [63], KimCMLLP23 [231], MontemanniD23 [304], AkramNHRSA23 [8], MontemanniD23a [303], Teppan22 [400], KlankeBYE21 [232], MengZRZL20 [297], GroleazNS20 [178], GalleguillosKSB19 [147], BehrensLM19 [47], abs-1901-07914 [48], YangSS19 [444], PourDERB18 [347], BonfiettiZLM16 [76], ZhouGL15 [460], LombardiM12 [278]
CPSystems	OZ	PrataAN23 [351], NaderiRR23 [312], CzerniachowskaWZ23 [102], IsikYA23 [213], WikarekS19 [437], TopalogluO11 [406], NovasH10 [322], RuggieroBBMA09 [361], VanczaM01 [416], SchildW00 [367]	GeitzGSSW22 [160], BourreauGGLT22 [81], AbreuN22 [108], SubulanC22 [388], PohlAK22 [344], FanXG21 [135], GodetLHS20 [167], AstrandJZ20 [24], WessenCS20 [436], abs-1901-07914 [48], LiuLH19 [269], Novas19 [321], BehrensLM19 [47], Hooker17 [208], BridiBLMB16 [83], EdisO11 [124], GrimesH11 [174], ZeballosQH10 [453], LiessM08 [263], BeniniBGM06 [57], MaraveliasG04 [292]	Mehdizadeh-Somarin23 [295], GurPAE23 [181], MullerMKP22 [308], CampeauG22 [88], ZhangJZL22 [454], ArmstrongGOS22 [16], FetgoD22 [138], TouatBT22 [407], abs-2211-14492 [389], LiFJZLL22 [262], PopovicCGNC22 [346], ArmstrongGOS21 [15], Bedhief21 [45], LacknerMMWW21 [253], QinWLSL21 [353], PandeyS21a [333], WangB20 [432], SacramentoSP20 [362], abs-1911-04766 [157], GurEA19 [465], Tom19 [405], abs-1902-09244 [187], HauderBRPA19 [186], FrimodigS19 [144], NishikawaSTT19 [319], GalleguillosKSB19 [147], ArbaouiY18 [14], BenediktSMVH18 [56], OuelletQ18 [329]... (Total: 71)
CPSystems	SICStus	ArmstrongGOS21 [15], LetortCB15 [261], LetortCB13 [260], LetortBC12 [259]	MossigeGSMC17 [305], SchuttFSW11 [372], QuSN06 [355]	ArmstrongGOS22 [16], PopovicCGNC22 [346], YangSS19 [444], Madi-WambaLOBM17 [287], JelinekB16 [214], BeldiceanuCDP11 [50], TrojetHL11 [409], BartakCS10 [37], SchuttFSW09 [371], BeldiceanuCP08 [51], Geske05 [162], Bartak02 [35], BeldiceanuC02 [49]
CPSystems	Z3	KoehlerBFFHPSSS21 [234], YounespourAKE19 [445]	NaderiRR23 [312], VlKHT21 [429], WikarekS19 [437], Zhou97 [459]	ZhangW18 [456], BofilICSV17 [66], BertholdHLMS10 [60], Zhou96 [458]
ApplicationAreas	COVID		GeibingerKKMMW21 [156]	Mehdizadeh-Somarin23 [295], GurPAE23 [181], OujanaAYB22 [331]
ApplicationAreas	HVAC	LimHTB16 [265], LimBTBB15 [266], GrimesIOS14 [176]		
ApplicationAreas	agriculture			AkramNHRSA23 [8], BenderWS21 [54], HamPK21 [184], QinWLSL21 [353], AstrandOF21 [22]
ApplicationAreas	aircraft	PohlAK22 [344], WangB20 [432], LombardiM12 [278], FrankK05 [142], ArtiouchineB05 [20]	WangB23 [433], Ham18 [183], Simonis07 [384], SakkoutW00 [365]	PrataAN23 [351], PovedaAA23 [348], HauderBRPA19 [186], abs-1902-09244 [187], LaborieRSV18 [252], Laborie09 [250], KovacsB08 [238], KrogtLPHJ07 [414], MartinPY01 [293], GruianK98 [179], Darby-DowmanLMZ97 [104], Wallace96 [430], Simonis95 [383], SimonisC95 [385]
ApplicationAreas	automotive		YuraszeckMPV22 [449], LimtanyakulS12 [268], SunLYL10 [390], BarlattCG08 [33], SchildW00 [367]	PovedaAA23 [348], NaderiRR23 [312], CzerniachowskaWZ23 [102], AntuoriHHEN21 [13], HubnerGSV21 [211], KoehlerBFFHPSSS21 [234], VlKHT21 [429], BarzegaranZP20 [42], GeibingerMM19 [158], abs-1911-04766 [157], BonfiettiZLM16 [76], AlesioNBG14 [118], BeniniBGM06 [57], KovacsV06 [243], Wallace96 [430]
ApplicationAreas	cable tree	KoehlerBFFHPSSS21 [234]		
ApplicationAreas	car manufacturing		AntuoriHHEN21 [13]	
ApplicationAreas	container terminal	QinDCS20 [354], SacramentoSP20 [362]	LaborieRSV18 [252]	abs-2312-13682 [339], PerezGSL23 [338], TouatBT22 [407], WallaceY20 [431], CauwelaertDMS16 [92], DejemepeCS15 [111], NovasH12 [323], LimRX04 [264]
ApplicationAreas	crew-scheduling	PourDERB18 [347]	BourreauGGLT22 [81], Mason01 [294], Touraivane95 [408]	NaderiRR23 [312], WangB23 [433], HeinzNVH22 [196], TangLWSK18 [395], HachemiGR11 [182], BeldiceanuC02 [49]
ApplicationAreas	dairies			Bartak02 [35], Bartak02a [34]
ApplicationAreas	dairy	EscobetPQPRA19 [129]	PrataAN23 [351]	
ApplicationAreas	datacenter	HermenierDL11 [201]		GalleguillosKSB19 [147], Madi-WambaLOBM17 [287], IfrimOS12 [212], LetortBC12 [259]
ApplicationAreas	datacentre			
ApplicationAreas	day-ahead market			
ApplicationAreas	deep space			

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ApplicationAreas	earth observation	SquillaciPR23 [387], KucukY19 [249], VerfaillieL01 [417]	BensanaLV99 [59]	PraletLJ15 [350], SimoninAHL15 [382], KelarevaTK13 [226], OddiPCC03 [327]
ApplicationAreas	earth orbit			SquillaciPR23 [387]
ApplicationAreas	electroplating		RodosekW98 [359]	EfthymiouY23 [125], WallaceY20 [431], NovasH12 [323]
ApplicationAreas	energy-price	GrimesIOS14 [176], IfrimOS12 [212]		PrataAN23 [351], EscobetPQPRA19 [129], BenediktSMVH18 [56], He0GLW18 [188], LimHTB16 [265]
ApplicationAreas	farming			WinterMMW22 [438], Astrand0F21 [22]
ApplicationAreas	forestry	HachemiGR11 [182]		Astrand0F21 [22]
ApplicationAreas	hoist	EfthymiouY23 [125], WallaceY20 [431], RodosekW98 [359]	NovasH12 [323], BonfiettiLBM11 [70]	AstrandJZ18 [23], BonfiettiLBM14 [72], BonfiettiM12 [75], BonfiettiLBM12 [71], LombardiBMB11 [273], KorbayYG99 [235], PapaB98 [335]
ApplicationAreas	medical	ShinBBHO18 [378], WangMD15 [434], TopalogluO11 [406]	HechingH16 [190], DejemeppeD14 [112], RendlPHPR12 [357]	AkramNHRSA23 [8], IsikYA23 [213], AbreuN22 [108], GeibingerKKMMW21 [156], Bedhief21 [45], abs-1902-01193 [9], FrimodigS19 [144], Novas19 [321], GurEA19 [465], YounespourAKE19 [445], HoYCLLC18 [203], GedikKEK18 [155], BridiBLMB16 [83], BoothNB16 [77], BonfiettiLBM14 [72], DoulabiRP14 [122], Simonis07 [384]
ApplicationAreas	nurse	GurPAE23 [181], abs-1902-01193 [9], HoYCLLC18 [203], ShinBBHO18 [378], WangMD15 [434], RendlPHPR12 [357], Simonis07 [384], Mason01 [294]	OuelletQ22 [330], GeibingerKKMMW21 [156], GeibingerMM21 [159], YounespourAKE19 [445], FrohnerTR19 [145]	PerezGSL23 [338], abs-2312-13682 [339], BourreauGGLT22 [81], FrimodigS19 [144], GedikKEK18 [155], NishikawaSTT18a [318], DoulabiRP14 [122], TopalogluO11 [406]
ApplicationAreas	offshore		SubulanC22 [388]	BoudreaultSLQ22 [80]
ApplicationAreas	oven scheduling	LacknerMMWW23 [254], LacknerMMWW21 [253]		ColT22 [100]
ApplicationAreas	patient	GurPAE23 [181], GurEA19 [465], FrimodigS19 [144], YounespourAKE19 [445], ShinBBHO18 [378], HechingH16 [190], WangMD15 [434], DejemeppeD14 [112], RendlPHPR12 [357], TopalogluO11 [406]	GeibingerKKMMW21 [156]	AlferiGPS23 [10], MurinR19 [309], HoYCLLC18 [203], DoulabiRP14 [122], Simonis07 [384]
ApplicationAreas	perfect-square	BeldiceanuCDP11 [50], BeldiceanuCP08 [51], AggounB93 [6]		
ApplicationAreas	physician	GeibingerKKMMW21 [156], ShinBBHO18 [378]		GurPAE23 [181], FrimodigS19 [144], WangMD15 [434], TopalogluO11 [406]
ApplicationAreas	pipeline	BegB13 [46], LopesCSM10 [280], RuggieroBBMA09 [361], MouraSCL08 [307], MouraSCL08a [306], ErtIK91 [128]	TangLWSK18 [395], BeniniBGM06 [57], WolinskiKG04 [441]	EfthymiouY23 [125], PopovicCGNC22 [346], HanenKP21 [185], NishikawaSTT19 [319], NishikawaSTT18 [317], NishikawaSTT18a [318], LaborieRSV18 [252], GilesH16 [163], GoelSHFS15 [168], SimoninAHL15 [382], BonfiettiLBM14 [72], BeniniLMR11 [58], NovasH10 [322], BarlattCG08 [33], KuchcinskiW03 [247], Wolf03 [439], GruianK98 [179], Darby-DowmanLMZ97 [104], SimonisC95 [385]
ApplicationAreas	radiation therapy	FrimodigS19 [144]		
ApplicationAreas	railway	PourDERB18 [347], CappartS17 [89], Acuna-AgostMFG09 [4], AronssonBK09 [17], Geske05 [162], MartinPY01 [293], LammaMM97 [256]	LaborieRSV18 [252], TangLWSK18 [395], Mason01 [294], BrusoniCLMMT96 [85]	LuoB22 [285], BogaerdTW19 [413], ZhouGL15 [460], AbrilSB05 [3], Wallace96 [430]
ApplicationAreas	real-time pricing		He0GLW18 [188], GrimesIOS14 [176]	LimHTB16 [265]
ApplicationAreas	rectangle-packing	YangSS19 [444], AggounB93 [6]	LuoB22 [285]	MossigeGSMC17 [305], VilimLS15 [427], BeldiceanuCDP11 [50], SchuttW10 [374], BeldiceanuCP08 [51]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ApplicationAreas	robot	IsikYA23 [213], LiFJZLL22 [262], ArmstrongGOS21 [15], KoehlerBFFHPSSS21 [234], WessenCS20 [436], MurinR19 [309], abs-1901-07914 [48], BehrensLM19 [47], LaborieRSV18 [252], MossigeGSMC17 [305], BoothNB16 [77], NovasH14 [324], NovasH12 [323], BartakSR10 [39], ValleMGT03 [411]	PrataAN23 [351], Mehdizadeh-Somarin23 [295], CzerniachowskaWZ23 [102], TouatBT22 [407], OujanaAYB22 [331], Astrand0F21 [22], WallaceY20 [431], WikarekS19 [437], NishikawaSTT19 [319], NishikawaSTT18a [318], NishikawaSTT18 [317], VanczaM01 [416]	abs-2305-19888 [197], MontemanniD23 [304], HeinzNVH22 [196], GeitzGSSW22 [160], MullerMKP22 [308], ColT22 [100], YuraszeckMPV22 [449], HamPK21 [184], ZhangYW21 [455], VlkHT21 [429], Bedhief21 [45], MengZRZL20 [297], BenediktMH20 [55], AstrandJZ20 [24], BarzegaranZP20 [42], Novas19 [321], Ham18 [183], ZhangW18 [456], AstrandJZ18 [23], ZarandiKS16 [451], SimoninAHL15 [382], BonfiettiLBM14 [72], LimtanyakulS12 [268], BonfiettiLBM12 [71], BonfiettiLBM11 [70], TrojetHL11 [409], ZeballosQH10 [453], Limtanyakul07 [267], ZeballosH05 [452]... (Total: 36)
ApplicationAreas	satellite	SquillaciPR23 [387], GodetLHS20 [167], KucukY19 [249], LaborieRSV18 [252], PraletLJ15 [350], KelarevaTK13 [226], VerfaillieL01 [417], BensanaLV99 [59], PembertonG98 [337]	Laborie09 [250], FrankK05 [142]	EfthymiouY23 [125], TouatBT22 [407], Astrand0F21 [22], Pralet17 [349], SimoninAHL15 [382], BessiereHMQW14 [61], HeinzSB13 [195], SimoninAHL12 [381], RuggieroBBMA09 [361], OddiPCC03 [327], NuijtenP98 [326]
ApplicationAreas	semiconductor	MalapertN19 [289], NovasH12 [323]	QinWSLS21 [353], Davenport10 [105], KrogtLPHJ07 [414]	LacknerMMWW23 [254], YuraszeckMPV22 [449], abs-2211-14492 [389], MullerMKP22 [308], ColT22 [100], ZhangJZL22 [454], FanXG21 [135], LacknerMMWW21 [253], HamPK21 [184], PandeyS21a [333], MengZRZL20 [297], NattafM20 [315], TangB20 [394], Novas19 [321], LaborieRSV18 [252], Ham18 [183], KoschB14 [237]
ApplicationAreas	ship building			
ApplicationAreas	steel cable			AalianPG23 [1]
ApplicationAreas	steel mill	GaySS14 [154], HeinzSSW12 [193], SchausHMCMD11 [366], HentenryckM08 [200], GarganiR07 [148]		abs-2312-13682 [339], PerezGSL23 [338]
ApplicationAreas	super-computer	BorghesiBLMB18 [78], BridiBLMB16 [83], BartoliniBBLM14 [41]		LuoB22 [285], GalleguillosKSB19 [147]
ApplicationAreas	torpedo	KletzanderM17 [233], GoldwasserS17 [170]		
ApplicationAreas	vaccine			
ApplicationAreas	yard crane		QinDCS20 [354]	WallaceY20 [431]
Industries	aerospace industry			SchildW00 [367]
Industries	agricultural industry	WinterMMW22 [438]		
Industries	automotive industry		LimtanyakulS12 [268]	CzerniachowskaWZ23 [102], AntuoriHHEN21 [13], BonfiettiZLM16 [76], SchildW00 [367], Wallace96 [430]
Industries	chemical industry		Timpe02 [404]	LaborieRSV18 [252], GilesH16 [163], LombardiM12 [278], PoderBS04 [343]
Industries	chemical processing industry			GilesH16 [163]
Industries	control system industry			BonfiettiZLM16 [76]
Industries	electricity industry			PopovicCGNC22 [346]
Industries	electronics industry			LacknerMMWW23 [254], LacknerMMWW21 [253]
Industries	food industry			OujanaAYB22 [331], GroleazNS20a [177], GroleazNS20 [178], EscobetPQPRA19 [129], HachemiGR11 [182], SimonisC95 [385], Simonis95 [383]
Industries	food-processing industry			KlankeBYE21 [232], HauderBRPA19 [186], abs-1902-09244 [187]
Industries	manufacturing industry			PrataAN23 [351], CzerniachowskaWZ23 [102], LacknerMMWW23 [254], WinterMMW22 [438], YuraszeckMPV22 [449], FanXG21 [135], LacknerMMWW21 [253], Mercier-AubinGQ20 [298], TangB20 [394], EscobetPQPRA19 [129], GedikKEK18 [155]
Industries	mineral industry			Astrand0F21 [22], AstrandJZ20 [24]
Industries	mining industry		AalianPG23 [1]	abs-2402-00459 [316], CampeauG22 [88], Astrand0F21 [22], AstrandJZ20 [24]
Industries	oil industry			LopesCSM10 [280]
Industries	packaging industry			ArmstrongGOS21 [15]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Industries	petro-chemical industry			LaborieRSV18 [252], GilesH16 [163]
Industries	pharmaceutical industry			YuraszeckMCCR23 [450], CzerniachowskaWZ23 [102], GeibingerKKMMW21 [156], NovaraNH16 [320]
Industries	potash industry			Astrand0F21 [22], AstrandJZ20 [24], AstrandJZ18 [23]
Industries	power industry			FrostD98 [146]
Industries	process industry		Timpe02 [404]	HeinzSSW12 [193], Wallace96 [430]
Industries	retail industry			ChapadosJR11 [94]
Industries	services industry			DoomsH08 [121]
Industries	ship repair industry			BoudreaultSLQ22 [80]
Industries	steel industry		DavenportKRSH07 [106]	LacknerMMWW23 [254], KimCMLLP23 [231], IsikYA23 [213], OujanaAYB22 [331], LacknerMMWW21 [253], HauderBRPA19 [186], abs-1902-09244 [187], KletzanderM17 [233], GoldwaserS17 [170], HeinzSSW12 [193], SchausHMCMD11 [366], GrimesH10 [173], GarganiR07 [148]
Industries	steel making industry			
Industries	textile industry	Mercier-AubinGQ20 [298]		BessiereHMQW14 [61]
Industries	tourism industry			LiuCGM17 [270]
Benchmarks	CSPLib	SchausHMCMD11 [366], GarganiR07 [148]	LaborieRSV18 [252], MossigeGSMC17 [305], NovaraNH16 [320], HeinzSSW12 [193]	LiuLH19 [269], GelainPRVW17 [161], GaySS14 [154], RendlPHPR12 [357], HentenryckM08 [200]
Benchmarks	Roadef		LetortCB15 [261], LetortCB13 [260], LetortBC12 [259]	CzerniachowskaWZ23 [102], HanenKP21 [185], MalapertN19 [289], Tesch18 [402], OuelletQ18 [329], Tesch16 [401], Acuna-AgostMFG09 [4]
Benchmarks	benchmark	IsikYA23 [213], TardivoDFMP23 [396], AlfieriGPS23 [10], JuvinHHL23 [217], LacknerMMWW23 [254], PovedaAA23 [348], Bit-Monnot23 [63], NaderiRR23 [312], TasselGS23 [397], abs-2306-05747 [398], YuraszeckMCCR23 [450], BoudreaultSLQ22 [80], ZhangJZL22 [454], OuelletQ22 [330], abs-2211-14492 [389], ColT22 [100], TouatBT22 [407], AbreuN22 [108], MullerMKP22 [308], LiFJZLL22 [262], WinterMMW22 [438], Teppan22 [400], HamPK21 [184], KoehlerBFFHPSSS21 [234], PandeyS21a [333], LacknerMMWW21 [253], GeibingerMM21 [159], ZhangYW21 [455], FanXG21 [135]... (Total: 65)	abs-2402-00459 [316], AkramNHRSA23 [8], YuraszeckMC23 [448], MontemanniD23a [303], KameugneFND23 [222], abs-2305-19888 [197], FetgoD22 [138], OujanaAYB22 [331], BourreauGGLT22 [81], HeinzNVH22 [196], KovacsTKSG21 [244], SacramentoSP20 [362], BenediktMH20 [55], GroleazNS20 [178], MengZRZL20 [297], Novas19 [321], NishikawaSTT19 [319], GeibingerMM19 [158], ArbaouiY18 [14], NishikawaSTT18 [317], FahimiOQ18 [132], RiahiNS018 [358], MossigeGSMC17 [305], BofilCSV17 [66], SzerediS16 [393], GingrasQ16 [164], BonfiettiZLM16 [76], NovaraNH16 [320], SchuttS16 [373]... (Total: 58)	PrataAN23 [351], CzerniachowskaWZ23 [102], MontemanniD23 [304], EfthymiouY23 [125], KimCMLLP23 [231], SquillaciPR23 [387], JungblutK22 [216], PohlAK22 [344], SubulanC22 [388], YuraszeckMPV22 [449], ArmstrongGOS22 [16], Astrand0F21 [22], HubnerGSV21 [211], KlankeBYE21 [232], VlKHT21 [429], ArmstrongGOS21 [15], LunardiBLRV20 [283], NattafM20 [315], AstrandJZ20 [24], QinDCS20 [354], abs-1901-07914 [48], BogaerdTW19 [413], FrohnerTR19 [145], MalapertN19 [289], KucukY19 [249], MurinR19 [309], ZhangW18 [456], NishikawaSTT18a [318], KameugneFGOQ18 [221]... (Total: 91)
Benchmarks	bitbucket		TardivoDFMP23 [396]	He0GLW18 [188], CappartS17 [89], CauwelaertDMS16 [92], GayHLS15 [151], GayHS15a [153], DejemeppeCS15 [111], GayHS15 [152], DejemeppeD14 [112], HoundjiSWD14 [210]
Benchmarks	generated instance	IsikYA23 [213], LuoB22 [285], abs-1911-04766 [157]	abs-2312-13682 [339], PerezGSL23 [338], GodetLHS20 [167], Madi-WambaB16 [286], KelbelH11 [227], SchausHMCMD11 [366]	abs-2402-00459 [316], abs-2305-19888 [197], EfthymiouY23 [125], BoudreaultSLQ22 [80], ColT22 [100], YuraszeckMPV22 [449], HeinzNVH22 [196], abs-2211-14492 [389], TouatBT22 [407], GeibingerMM21 [159], HanenKP21 [185], AbohashimaEG21 [2], Astrand0F21 [22], LunardiBLRV20 [283], BenediktMH20 [55], GeibingerMM19 [158], MalapertN19 [289], YangSS19 [444], KucukY19 [249], BenediktSMVH18 [56], PourDERB18 [347], GoldwaserS17 [170], MossigeGSMC17 [305], BonfiettiZLM16 [76], NattafAL15 [313], LetortCB15 [261], DejemeppeCS15 [111], HoundjiSWD14 [210], BonfiettiLBM14 [72]... (Total: 34)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	github	KoehlerBFFHPSSS21 [234]	TardivoDFMP23 [396], PovedaAA23 [348], JungblutK22 [216], BoudreaultSLQ22 [80], HamPK21 [184], GodetLHS20 [167], BenediktMH20 [55], LunardiBLRV20 [283]	abs-2402-00459 [316], YuraszeckMC23 [448], SquillaciPR23 [387], JuvinHHL23 [217], YuraszeckMCCR23 [450], Bit-Monnot23 [63], abs-2306-05747 [398], NaderiRR23 [312], TasselGS23 [397], LuoB22 [285], OuelletQ22 [330], ColT22 [100], YuraszeckMPV22 [449], GeitzGSSW22 [160], MullerMKP22 [308], KovacsTKSG21 [244], GeibingerMM21 [159], VlkHT21 [429], AbohashimaEG21 [2], WangB20 [432], ColT19 [99], BehrensLM19 [47], BadicaBIL19 [26], abs-1901-07914 [48], abs-1911-04766 [157], MurinR19 [309], BenediktSMVH18 [56], ShinBBHO18 [378], GoldwaserS17 [170]... (Total: 33)
Benchmarks	gitlab		HeinzNVH22 [196]	abs-2305-19888 [197], BoudreaultSLQ22 [80], AntuoriHHEN21 [13]
Benchmarks	industrial instance	LuoB22 [285]	BonfiettiZLM16 [76], BonfiettiLBM14 [72]	TasselGS23 [397], EfthymiouY23 [125], PovedaAA23 [348], abs-2306-05747 [398], OujanaAYB22 [331], Mercier-AubinGQ20 [298], NattafM20 [315], GroleazNS20 [178], MalapertN19 [289], BofilGSV15 [68], BofilEGPSV14 [67], BonfiettiM12 [75], LombardiBMB11 [273], BonfiettiLBM11 [70]
Benchmarks	industrial partner	BoudreaultSLQ22 [80]	LacknerMMWW23 [254], ArmstrongGOS21 [15]	WinterMMW22 [438], VlkHT21 [429], LacknerMMWW21 [253], GroleazNS20a [177], Mercier-AubinGQ20 [298], abs-1911-04766 [157], GeibingerMM19 [158], MossigeGSMC17 [305], LimtanyakulS12 [268], KovacsV06 [243], KovacsV04 [242]
Benchmarks	industry partner	BurtLPS15 [86]		WinterMMW22 [438], LuoB22 [285], ArmstrongGOS21 [15], abs-1902-09244 [187], HauderBRPA19 [186]
Benchmarks	instance generator	LacknerMMWW23 [254], LacknerMMWW21 [253]		abs-2402-00459 [316], ArmstrongGOS21 [15], abs-1911-04766 [157], GoldwaserS17 [170], YoungFS17 [446], BeniniLMR11 [58], RuggieroBBMA09 [361], LombardiM09 [274], HeipckeCCS00 [198]
Benchmarks	random instance	LacknerMMWW21 [253], WallaceY20 [431]	LacknerMMWW23 [254], EfthymiouY23 [125], WangB23 [433], LetortCB15 [261], KelbelH11 [227]	Mehdizadeh-Somarin23 [295], OuelletQ22 [330], abs-2211-14492 [389], MullerMKP22 [308], VlkHT21 [429], KlankeBYE21 [232], HanenKP21 [185], LunardiBLRV20 [283], BenediktMH20 [55], BenediktSMVH18 [56], FahimiOQ18 [132], Hooker17 [208], MossigeGSMC17 [305], CappartS17 [89], Madi-WambaB16 [286], KameugneFSN14 [224], DerrienP14 [116], DerrienPZ14 [117], LetortCB13 [260], LimtanyakulS12 [268], BillautHL12 [62], LetortBC12 [259], BartakS11 [38], Hooker06 [207], Hooker05 [205], ArtiouchineB05 [20], Hooker04 [204], BeldiceanuC02 [49]
Benchmarks	real-life	GurPAE23 [181], SubulanC22 [388], WinterMMW22 [438], HubnerGSV21 [211], QinDCS20 [354], GurEA19 [465], WangMD15 [434], BartakSR10 [39], BartakCS10 [37], Bartak02a [34], MartinPY01 [293]	LacknerMMWW23 [254], OujanaAYB22 [331], AstrandOF21 [22], LacknerMMWW21 [253], KlankeBYE21 [232], abs-1911-04766 [157], PourDERB18 [347], GaySS14 [154], LimtanyakulS12 [268], RuggieroBBMA09 [361], Tsang03 [410], NuijtenP98 [326], SimonisC95 [385], DincbasSH90 [120]	PrataAN23 [351], EfthymiouY23 [125], PovedaAA23 [348], IsikYA23 [213], GeitzGSSW22 [160], CampeauG22 [88], LuoB22 [285], ColT22 [100], Teppan22 [400], BoudreaultSLQ22 [80], YuraszeckMPV22 [449], GeibingerMM21 [159], Bedhief21 [45], WallaceY20 [431], GodetLHS20 [167], SacramentoSP20 [362], AstrandJZ20 [24], GeibingerMM19 [158], YounespourAKE19 [445], MurinR19 [309], Laborie18a [251], BorghesiBLMB18 [78], RiahiNS018 [358], NishikawaSTT18a [318], GelainPRVW17 [161], CappartS17 [89], CauwelaertDMS16 [92], BridiBLMB16 [83], JelinekB16 [214]... (Total: 59)



Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	real-world	abs-2305-19888 [197], HeinzNVH22 [196], ColT22 [100], KoehlerBFFHPSS21 [234], GeibingerMM21 [159], HauderBRPA19 [186], abs-1911-04766 [157], GeibingerMM19 [158], abs-1902-09244 [187], FrohnerTR19 [145], MelgarejoLS15 [7], EvenSH15 [130], EvenSH15a [131], RendlPHPR12 [357], MouraSCL08a [306]	PrataAN23 [351], IsikYA23 [213], abs-2306-05747 [398], TasselGS23 [397], AalianPG23 [1], WangB23 [433], YuraszeckMCCR23 [450], OujanaAYB22 [331], LuoB22 [285], MullerMKP22 [308], ArmstrongGOS21 [15], WessenCS20 [436], TangB20 [394], WallaceY20 [431], AstrandJZ20 [24], ParkUJR19 [336], YounespourAKE19 [445], FrimodigS19 [144], RiahiNS018 [358], HoYCLLC18 [203], LaborieRSV18 [252], PourDERB18 [347], ShinBBHO18 [378], HechingH16 [190], BonfiettiZLM16 [76], MurphyMB15 [310], KelarevaTK13 [226], OzturkTHO13 [332], LombardiM12 [278]... (Total: 32)	abs-2402-00459 [316], KimCMLLP23 [231], abs-2312-13682 [339], PovedaAA23 [348], JuvinHL23 [218], Bit-Monnot23 [63], TardivoDFMP23 [396], CzerniachowskaWZ23 [102], PerezGSL23 [338], BourreauGLT22 [81], CampeauG22 [88], JungblutK22 [216], AbreuN22 [108], ArmstrongGOS22 [16], SubulanC22 [388], FetgoD22 [138], PohlAK22 [344], BoudreaultSLQ22 [80], GeitzGSSW22 [160], GeibingerKKMMW21 [156], AbohashimaEG21 [2], KovacsTKSG21 [244], AstrandOF21 [22], HillTV21 [202], SacramentoSP20 [362], NishikawaSTT19 [319], abs-1901-07914 [48], BehrensLM19 [47], Tom19 [405]... (Total: 83)
Benchmarks	supplementary material		MontemanniD23 [304]	JuvinHHL23 [217], abs-2306-05747 [398], TasselGS23 [397], WinterMMW22 [438], ColT22 [100], BoudreaultSLQ22 [80], KovacsTKSG21 [244], ArmstrongGOS21 [15], AntuoriHHEN21 [13], LacknerMMWW21 [253], MengZRZL20 [297]
Benchmarks	zenodo	LacknerMMWW23 [254], SacramentoSP20 [362]		KimCMLLP23 [231], WinterMMW22 [438], ArmstrongGOS21 [15]
Algorithms	bi-partite matching			Simonis07 [384], Kumar03 [248]
Algorithms	edge-finder	KameugneFND23 [222], FetgoD22 [138], GingrasQ16 [164], KameugneFSN14 [224], BaptisteP00 [31]	OuelletQ13 [328], KelbelH11 [227], PapaB98 [335]	BaptisteB18 [28], BonfiettiZLM16 [76], GuSS13 [180], SchuttFSW11 [372], SchuttFSW09 [371], ValleMGTO3 [411], SakkoutW00 [365], BaptisteP97 [30], Zhou97 [459]
Algorithms	edge-finding	KameugneFND23 [222], JuvinHHL23 [217], TardivoDFMP23 [396], OuelletQ22 [330], FetgoD22 [138], YangSS19 [444], BaptisteB18 [28], FahimiOQ18 [132], KreterSS17 [246], Kameugne15 [220], GayHS15a [153], KameugneFSN14 [224], OuelletQ13 [328], SchuttFS13a [369], SchuttFSW11 [372], KameugneFSN11 [223], ClercqPBJ11 [97], Vilim11 [424], Vilim09 [422], ArtiouchineB05 [20], VilimBC05 [426], Hooker05 [205], VilimBC04 [425], BaptisteP00 [31], FocacciLN00 [139], PapaB98 [335], BaptisteP97 [30], BeckDF97 [43]	BoudreaultSLQ22 [80], LaborieRSV18 [252], Tesch18 [402], GingrasQ16 [164], CauwelaertDMS16 [92], LetortCB15 [261], DejemeppeCS15 [111], LetortCB13 [260], LombardiM12 [278], LetortBC12 [259], BartakSR10 [39], LiessM08 [263], HoeveGSL07 [415], MonetteDD07 [301], Vilim04 [420], Bartak02 [35], SchildW00 [367], Zhou97 [459]	CampeauG22 [88], WallaceY20 [431], OuelletQ18 [329], NattafAL17 [314], Tesch16 [401], SialaAH15 [380], GayHLS15 [151], DerrienP14 [116], GuSS13 [180], OzturkTHO13 [332], HeinzSB13 [195], LimtanyakulS12 [268], BeldiceanuCDP11 [50], KelbelH11 [227], GrimesH11 [174], KovacsB11 [239], SchuttW10 [374], GrimesH10 [173], Vilim09a [423], abs-0907-0939 [341], GrimesHM09 [175], BeldiceanuCP08 [51], KeriK07 [228], ArtiguesBF04 [18], Sadykov04 [363], KovacsV04 [242], Wolf03 [439], Vilim03 [419], Muscettola02 [311]... (Total: 36)
Algorithms	energetic reasoning	TardivoDFMP23 [396], FetgoD22 [138], OuelletQ22 [330], HanenKP21 [185], OuelletQ18 [329], Tesch18 [402], NattafAL17 [314], Tesch16 [401], GayHS15a [153], NattafAL15 [313], DerrienP14 [116], SchuttFS13a [369], LimtanyakulS12 [268], HeinzS11 [194], Vilim11 [424]	KameugneFND23 [222], KameugneFGOQ18 [221], SchuttFS13 [370]	IsikYA23 [213], BoudreaultSLQ22 [80], ArmstrongGOS21 [15], YangSS19 [444], Laborie18a [251], BofilCSV17 [66], GingrasQ16 [164], LetortCB15 [261], KameugneFSN14 [224], LetortCB13 [260], OuelletQ13 [328], LombardiM12 [278], LahimerLH11 [255], ClercqPBJ11 [97], BeldiceanuCDP11 [50], abs-0907-0939 [341], Vilim09 [422], Vilim09a [423], Limtanyakul07 [267], WolfS05 [440], BaptisteP00 [31], PapaB98 [335]
Algorithms	max-flow		LopesCSM10 [280], MouraSCL08 [307], Muscettola02 [311]	FanXG21 [135], Kumar03 [248]
Algorithms	not-first	KameugneFND23 [222], KameugneFGOQ18 [221], FahimiOQ18 [132], GayHS15a [153], SchuttFSW11 [372], VilimBC05 [426], ArtiouchineB05 [20]	TardivoDFMP23 [396], FetgoD22 [138], OuelletQ18 [329], Kameugne15 [220], DejemeppeCS15 [111], KameugneFSN14 [224], OuelletQ13 [328], SchuttW10 [374], BartakSR10 [39], MonetteDD07 [301], VilimBC04 [425], Wolf03 [439]	JuvinHHL23 [217], OuelletQ22 [330], BoudreaultSLQ22 [80], Tesch16 [401], CauwelaertDMS16 [92], LimtanyakulS12 [268], KameugneFSN11 [223], Vilim09 [422]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Algorithms	not-last	TardivoDFMP23 [396], KameugneFND23 [222], FahimiOQ18 [132], KameugneFGOQ18 [221], OuelletQ18 [329], GayHS15a [153], SchuttW10 [374], ArtiouchineB05 [20], Vilim05 [421], VilimBC05 [426], Vilim04 [420], Wolf03 [439]	FetgoD22 [138], Tesch18 [402], Kameugne15 [220], DejemeppeCS15 [111], KameugneFSN14 [224], SchuttFS13a [369], OuelletQ13 [328], SchuttFSW11 [372], Vilim11 [424], KameugneFSN11 [223], BartakSR10 [39], MonetteDD07 [301], VilimBC04 [425]	JuvinHHL23 [217], BoudreaultSLQ22 [80], GeitzGSSW22 [160], OuelletQ22 [330], GodetLHS20 [167], YangSS19 [444], CauwelaertDMS16 [92], Tesch16 [401], LimtanyakulS12 [268], GrimesHM09 [175], MonetteDH09 [302], Vilim09a [423], Vilim09 [422], WolfS05 [440], Vilim03 [419]
Algorithms	sweep	Tesch18 [402], Tesch16 [401], BonfiettiZLM16 [76], SimoninAHL15 [382], NattafAL15 [313], LetortCB15 [261], GayHS15 [152], DerrienPZ14 [117], LetortCB13 [260], SimoninAHL12 [381], LetortBC12 [259], ClercqPBJ11 [97], abs-0907-0939 [341], BeldiceanuP07 [52], Wolf03 [439], BeldiceanuC02 [49]	FahimiOQ18 [132], GayHS15a [153], AronssonBK09 [17], PoderB08 [342], WolfS05 [440]	KameugneFND23 [222], TardivoDFMP23 [396], GeitzGSSW22 [160], FetgoD22 [138], OuelletQ22 [330], KameugneFGOQ18 [221], Madi-WambaLOBM17 [287], GingrasQ16 [164], EvenSH15 [130], EvenSH15a [131], DerrienP14 [116], BonfiettiLBM14 [72], GaySS14 [154], OuelletQ13 [328], BeldiceanuCDP11 [50], Vilim11 [424], LombardiM10a [275], BartakSR10 [39], BeldiceanuCP08 [51], KovacsB08 [238], Simonis07 [384], VilimBC05 [426], Vilim04 [420]
Algorithms	time-tabling	TardivoDFMP23 [396], OuelletQ22 [330], DemirovicS18 [114], FahimiOQ18 [132], GayHS15a [153], OuelletQ13 [328], HeinzS11 [194], ElkhyariGJ02a [127], Wallace96 [430]	WallaceY20 [431], abs-1902-01193 [9], Tesch18 [402], OuelletQ18 [329], GayHS15 [152], BofillGSV15 [68], Vilim11 [424], Bartak02 [35]	PrataAN23 [351], KameugneFND23 [222], LacknerMMWW23 [254], TouatBT22 [407], FetgoD22 [138], GeibingerMM21 [159], GodetLHS20 [167], LiuLH19 [269], abs-1911-04766 [157], KucukY19 [249], GeibingerMM19 [158], KameugneFGOQ18 [221], AstrandJZ18 [23], BaptisteB18 [28], YoungFS17 [446], ZarandiKS16 [451], Tesch16 [401], LimBTBB15 [266], WangMD15 [434], VilimLS15 [427], GayHLS15 [151], BofillEGPSV14 [67], BonfiettiLBM14 [72], KameugneFSN14 [224], SchuttFS13 [370], HeinzSB13 [195], GuSS13 [180], BonfiettiLBM12 [71], ZhangLS12 [457]... (Total: 39)

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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
SvancaraB22	SvancaraB22	J. Svancara, R. Barták	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling	2022	ICAART 2022	[392]
BartakV15	BartakV15	R. Barták, M. Vlk	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints	2015	ICAART 2015	[40]
FriedrichFMRST14	FriedrichFMRST14	G. Friedrich, M. Frühstück, V. Mersheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	2014	GOR 2014	[143]
GodardLN05	GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	2005	ICAPS 2005	[165]
VillaverdeP04	VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	2004	ISCA 2004	[428]
WolinskiKG04a	WolinskiKG04a	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A constraints programming approach to communication scheduling on SoPC architectures	2004	FPGA 2004	[442]
BoucherBVBL97	BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem	1997	PACT 1997	[79]
PapeB97	PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	1997	PACT 1997	[334]
JourdanFRD94	JourdanFRD94	J. Jourdan, F. Fages, D. Rozzonelli, A. Demeure	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming	1994	ILPS 1994	[215]
NuijtenA94	NuijtenA94	W. P. M. Nuijten, Emile H. L. Aarts	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling	1994	ECAI 1994	[325]
AggounB92	AggounB92	A. Aggoun, N. 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, Marcelo Seido Nagano, Bruno A. Prata	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	2023	Int. J. Prod. Res.	[109]
ShaikhK23	ShaikhK23	Aftab Ahmed Shaikh, Abdullah Ayub Khan	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	2023	Int. J. Electron. Secur. Digit. Forensics	[376]
FarsiTM22	FarsiTM22	A. Farsi, S. Ali Torabi, M. Mokhtarzadeh	Integrated surgery scheduling by constraint programming and meta-heuristics	2022	International Journal of Management Science and Engineering Management	[136]
Fatemi-AnarakiMFN22	Fatemi-AnarakiMFN22	S. Fatemi-Anaraki, R. Tavakkoli-Moghaddam, M. Foumani, B. Vahedi-Nouri	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches	2022	Omega	[137]
ShiYXQ22	ShiYXQ22	G. Shi, Z. Yang, Y. Xu, Y. Quan	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach	2022	Int. J. Prod. Res.	[377]
YunusogluY22	YunusogluY22	P. Yunusoglu, 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.	[447]
AbreuAPNM21	AbreuAPNM21	Levi Ribeiro de Abreu, Kennedy A. G. Araújo, Bruno de Athayde Prata, Marcelo Seido Nagano, J. V. Moccellini	A new variable neighbourhood search with a constraint programming search strategy for the open shop scheduling problem with operation repetitions	2021	Engineering Optimization	[107]
AlizdehS20	AlizdehS20	S. Alizdeh, S. Saeidi	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming	2020	Int. J. Adv. Intell. Paradigms	[11]
BadicaBI20	BadicaBI20	A. Badica, C. Badica, M. Ivanovic	Block structured scheduling using constraint logic programming	2020	AI Commun.	[25]

Table 12: ARTICLE without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
FallahiAC20	FallahiAC20	Abdellah El Fallahi, El Yaakoubi Anass, M. Cherkaoui	Tabu search and constraint programming-based approach for a real scheduling and routing problem	2020	International Journal of Applied Management Science	[134]
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	2020	Int. J. Comput. Integr. Manuf.	[300]
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	2020	Int. J. Prod. Res.	[345]
ZouZ20	ZouZ20	X. Zou, L. Zhang	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic	2020	Automation in Construction	[464]
GokgurHO18	GokgurHO18	B. Gökçür, B. Hnich, S. Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	2018	Int. J. Prod. Res.	[169]
Bonfietti16	Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	2016	Intelligenza Artificiale	[69]
DoulabiRP16	DoulabiRP16	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling	2016	INFORMS J. Comput.	[123]
BeckFW11	BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	2011	INFORMS J. Comput.	[44]
BocewiczBB09	BocewiczBB09	G. Bocewicz, I. Bach, Zbigniew Antoni Banaszak	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling	2009	Int. J. Intell. Inf. Database Syst.	[65]
MalikMB08	MalikMB08	Abid M. Malik, J. McInnes, Peter van Beek	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming	2008	Int. J. Artif. Intell. Tools	[291]
SadykovW06	SadykovW06	R. Sadykov, Laurence A. Wolsey	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates	2006	INFORMS J. Comput.	[364]
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	2006	Int. J. Parallel Emergent Distributed Syst.	[391]
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	2002	J. Oper. Res. Soc.	[282]
SourdN00	SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	2000	INFORMS J. Comput.	[386]
Tay92	Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	1992	Comput. J.	[399]

## B Papers and Articles Without Recognized Concepts

Table 13: PAPER without Concepts

Key	Local Copy	Authors	Title	Year	Conference /Journal	Cite	Pages
BaptisteLV92	Yes	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming	1992	ICRA 1992	[32]	6

Table 14: ARTICLE without Concepts

Key	Local Copy	Authors	Title	Year	Conference /Journal	Cite	Pages
KorbaaYG00	Yes	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming	2000	Eur. J. Control	[236]	10
LopezAKYG00	Yes	P. Lopez, H. Alla, O. Korbaa, P. Yim, J. Gentina	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina	2000	Eur. J. Control	[281]	4

## 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