

Christian Artigues

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,732
citations

361388

20
h-index

289230

40
g-index

58
all docs

58
docs citations

58
times ranked

1156
citing authors

#	ARTICLE	IF	CITATIONS
1	Insertion techniques for static and dynamic resource-constrained project scheduling. <i>European Journal of Operational Research</i> , 2003, 149, 249-267.	5.7	202
2	The car sequencing problem: Overview of state-of-the-art methods and industrial case-study of the ROADEFâ€™2005 challenge problem. <i>European Journal of Operational Research</i> , 2008, 191, 912-927.	5.7	170
3	Event-based MILP models for resource-constrained project scheduling problems. <i>Computers and Operations Research</i> , 2011, 38, 3-13.	4.0	151
4	LSSPER: Solving the Resource-Constrained Project Scheduling Problem with Large Neighbourhood Search. <i>Annals of Operations Research</i> , 2004, 131, 237-257.	4.1	101
5	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes. <i>European Journal of Operational Research</i> , 2000, 127, 297-316.	5.7	97
6	Robust optimization for resource-constrained project scheduling with uncertain activity durations. <i>Flexible Services and Manufacturing Journal</i> , 2013, 25, 175-205.	3.4	93
7	A Memetic Algorithm with a large neighborhood crossover operator for the Generalized Traveling Salesman Problem. <i>Computers and Operations Research</i> , 2010, 37, 1844-1852.	4.0	90
8	The energy scheduling problem: Industrial case-study and constraint propagation techniques. <i>International Journal of Production Economics</i> , 2013, 143, 13-23.	8.9	81
9	Maximization of solution flexibility for robust shop scheduling. <i>European Journal of Operational Research</i> , 2005, 165, 314-328.	5.7	64
10	A branch and bound method for the job-shop problem with sequence-dependent setup times. <i>Annals of Operations Research</i> , 2008, 159, 135-159.	4.1	56
11	Schedule Generation Schemes for the Job-Shop Problem with Sequence-Dependent Setup Times: Dominance Properties and Computational Analysis. <i>Annals of Operations Research</i> , 2005, 138, 21-52.	4.1	50
12	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem. <i>INFORMS Journal on Computing</i> , 2005, 17, 52-65.	1.7	50
13	Parallel machine scheduling with precedence constraints and setup times. <i>Computers and Operations Research</i> , 2010, 37, 2141-2151.	4.0	46
14	Solving an integrated employee timetabling and job-shop scheduling problem via hybrid branch-and-bound. <i>Computers and Operations Research</i> , 2009, 36, 2330-2340.	4.0	45
15	Comparison of mixed integer linear programming models for the resource-constrained project scheduling problem with consumption and production of resources. <i>Flexible Services and Manufacturing Journal</i> , 2013, 25, 25-47.	3.4	44
16	On the strength of time-indexed formulations for the resource-constrained project scheduling problem. <i>Operations Research Letters</i> , 2017, 45, 154-159.	0.7	41
17	An evolutionary and constructive approach to a crew scheduling problem in underground passenger transport. <i>Journal of Heuristics</i> , 2010, 16, 575-591.	1.4	25
18	Generalized disjunctive constraint propagation for solving the job shop problem with time lags. <i>Engineering Applications of Artificial Intelligence</i> , 2011, 24, 220-231.	8.1	25

#	ARTICLE	IF	CITATIONS
19	Mixed-Integer Linear Programming Formulations. , 2015, , 17-41.		25
20	A hybrid CP/MILP method for scheduling with energy costs. European Journal of Industrial Engineering, 2011, 5, 471.	0.8	23
21	Mixed integer linear programming for quality of service optimization in Clouds. Future Generation Computer Systems, 2017, 71, 1-17.	7.5	21
22	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times. Lecture Notes in Computer Science, 2004, , 37-49.	1.3	17
23	Machine reassignment problem: the ROADEF/EURO challenge 2012. Annals of Operations Research, 2016, 242, 1-17.	4.1	15
24	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints. Constraints, 2015, 20, 304-324.	0.7	14
25	A railroad maintenance problem solved with a cut and column generation matheuristic. Networks, 2015, 66, 40-56.	2.7	14
26	Energetic reasoning for energy-constrained scheduling with a continuous resource. Journal of Scheduling, 2015, 18, 225-241.	1.9	13
27	Models and methods for frequency assignment with cumulative interference constraints. International Transactions in Operational Research, 2008, 15, 307-324.	2.7	12
28	Disruption management for commercial airlines: methods and results for the ROADEF 2009 Challenge. European Journal of Industrial Engineering, 2012, 6, 669.	0.8	10
29	Energetic reasoning and mixed-integer linear programming for scheduling with a continuous resource and linear efficiency functions. OR Spectrum, 2016, 38, 459-492.	3.4	10
30	Mixed-integer linear programming for multibeam satellite systems design: Application to the beam layout optimization. , 2016, , .		10
31	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility. International Journal of Production Research, 2020, 58, 7149-7166.	7.5	10
32	A new robust approach for a production scheduling and delivery routing problem**This work was supported by the financial support of the ANR ATHENA project, grant ANR-13- BS02-0006 of the French Agence Nationale de la Recherche. IFAC-PapersOnLine, 2016, 49, 886-891.	0.9	9
33	Heuristic and metaheuristic methods for the multi-task project scheduling problem with partial preemption. International Transactions in Operational Research, 2023, 30, 858-891.	2.7	8
34	Flexible solutions in disjunctive scheduling: General formulation and study of the flow-shop case. Computers and Operations Research, 2010, 37, 890-898.	4.0	7
35	Frequency allocation problem in a SDMA satellite communication system. Computers and Industrial Engineering, 2011, 61, 346-351.	6.3	7
36	Scheduling under a non-reversible energy source: An application of piecewise linear bounding of non-linear demand/cost functions. Discrete Applied Mathematics, 2016, 208, 98-113.	0.9	6

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37	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions. <i>Constraints</i> , 2017, 22, 530-547.	0.7	6
38	Linearization of Euclidean norm dependent inequalities applied to multibeam satellites design. <i>Computational Optimization and Applications</i> , 2019, 73, 679-705.	1.6	6
39	Scheduling scientific experiments for comet exploration. <i>Constraints</i> , 2015, 20, 77-99.	0.7	5
40	Polyhedral results and valid inequalities for the continuous energy-constrained scheduling problem. <i>Discrete Applied Mathematics</i> , 2019, 258, 188-203.	0.9	5
41	MILP formulation improvement with k-means clustering for the beam layout optimization in multibeam satellite systems. <i>Computers and Industrial Engineering</i> , 2021, 158, 107228.	6.3	5
42	Frequency assignment in a SDMA satellite communication system with beam decentring feature. <i>Computational Optimization and Applications</i> , 2013, 56, 439-455.	1.6	4
43	On scheduling models for the frequency interval assignment problem with cumulative interferences. <i>Engineering Optimization</i> , 2016, 48, 740-755.	2.6	4
44	Heuristic approaches for scheduling manufacturing tasks while taking into account accumulated human fatigue. <i>IFAC-PapersOnLine</i> , 2019, 52, 963-968.	0.9	4
45	The resource-constrained activity insertion problem with minimum and maximum time lags. <i>Journal of Scheduling</i> , 2009, 12, 447-460.	1.9	3
46	Special issue on maintenance scheduling: theory and applications. <i>Journal of Scheduling</i> , 2013, 16, 549-550.	1.9	3
47	Periodically aggregated resource-constrained project scheduling problem. <i>European Journal of Industrial Engineering</i> , 2017, 11, 792.	0.8	3
48	A Heuristic Method for the Multi-skill Project Scheduling Problem with Partial Preemption. , 2019, , .		3
49	Complexity results for an integrated single machine scheduling and outbound delivery problem with fixed sequence. <i>Journal of Scheduling</i> , 2017, 20, 681-693.	1.9	2
50	Trains do not vanish: the ROADEF/EURO challenge 2014. <i>Annals of Operations Research</i> , 2018, 271, 1091-1105.	4.1	2
51	A project scheduling problem with periodically aggregated resource-constraints. <i>Computers and Operations Research</i> , 2022, 141, 105688.	4.0	2
52	Articles ROADEF 2007. <i>RAIRO - Operations Research</i> , 2009, 43, 373-374.	1.8	1
53	Hybrid Discrete-Continuous Optimization for the Frequency Assignment Problem in Satellite Communication System. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012, 45, 1419-1424.	0.4	1
54	A batch sizing and scheduling problem on parallel machines with different speeds, maintenance operations, setup times and energy costs. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
55	Fixed-sequence Single Machine Scheduling and Outbound Delivery Problems. , 2016, , .		1
56	Lower and upper bounds for scheduling energy-consuming tasks with storage resources and piecewise linear costs. Journal of Heuristics, 2022, 28, 93.	1.4	1
57	Reinsertion Principles for Multi-Resource Shop Scheduling with Sequence-Dependent Setup Times. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 307-313.	0.4	0