

Christian Artigues

List of Publications by Year in descending order

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57
papers

1,732
citations

411340

20
h-index

325983

40
g-index

58
all docs

58
docs citations

58
times ranked

1316
citing authors

#	ARTICLE	IF	CITATIONS
1	Heuristic and metaheuristic methods for the multi-skill project scheduling problem with partial preemption. <i>International Transactions in Operational Research</i> , 2023, 30, 858-891.	1.8	8
2	Lower and upper bounds for scheduling energy-consuming tasks with storage resources and piecewise linear costs. <i>Journal of Heuristics</i> , 2022, 28, 93.	1.1	1
3	A project scheduling problem with periodically aggregated resource-constraints. <i>Computers and Operations Research</i> , 2022, 141, 105688.	2.4	2
4	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.	3.4	5
5	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility. <i>International Journal of Production Research</i> , 2020, 58, 7149-7166.	4.9	10
6	Linearization of Euclidean norm dependent inequalities applied to multibeam satellites design. <i>Computational Optimization and Applications</i> , 2019, 73, 679-705.	0.9	6
7	Polyhedral results and valid inequalities for the continuous energy-constrained scheduling problem. <i>Discrete Applied Mathematics</i> , 2019, 258, 188-203.	0.5	5
8	Heuristic approaches for scheduling manufacturing tasks while taking into account accumulated human fatigue. <i>IFAC-PapersOnLine</i> , 2019, 52, 963-968.	0.5	4
9	A Heuristic Method for the Multi-skill Project Scheduling Problem with Partial Preemption. , 2019, , .		3
10	Trains do not vanish: the ROADEF/EURO challenge 2014. <i>Annals of Operations Research</i> , 2018, 271, 1091-1105.	2.6	2
11	Mixed integer linear programming for quality of service optimization in Clouds. <i>Future Generation Computer Systems</i> , 2017, 71, 1-17.	4.9	21
12	On the strength of time-indexed formulations for the resource-constrained project scheduling problem. <i>Operations Research Letters</i> , 2017, 45, 154-159.	0.5	41
13	Complexity results for an integrated single machine scheduling and outbound delivery problem with fixed sequence. <i>Journal of Scheduling</i> , 2017, 20, 681-693.	1.3	2
14	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions. <i>Constraints</i> , 2017, 22, 530-547.	0.4	6
15	Periodically aggregated resource-constrained project scheduling problem. <i>European Journal of Industrial Engineering</i> , 2017, 11, 792.	0.5	3
16	Scheduling under a non-reversible energy source: An application of piecewise linear bounding of non-linear demand/cost functions. <i>Discrete Applied Mathematics</i> , 2016, 208, 98-113.	0.5	6
17	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. <i>IFAC-PapersOnLine</i> , 2016, 49, 886-891.	0.5	9
18	Machine reassignment problem: the ROADEF/EURO challenge 2012. <i>Annals of Operations Research</i> , 2016, 242, 1-17.	2.6	15

#	ARTICLE	IF	CITATIONS
19	Energetic reasoning and mixed-integer linear programming for scheduling with a continuous resource and linear efficiency functions. <i>OR Spectrum</i> , 2016, 38, 459-492.	2.1	10
20	Mixed-integer linear programming for multibeam satellite systems design: Application to the beam layout optimization. , 2016, , .		10
21	On scheduling models for the frequency interval assignment problem with cumulative interferences. <i>Engineering Optimization</i> , 2016, 48, 740-755.	1.5	4
22	Fixed-sequence Single Machine Scheduling and Outbound Delivery Problems. , 2016, , .		1
23	A batch sizing and scheduling problem on parallel machines with different speeds, maintenance operations, setup times and energy costs. , 2015, , .		1
24	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints. <i>Constraints</i> , 2015, 20, 304-324.	0.4	14
25	A railroad maintenance problem solved with a cut and column generation matheuristic. <i>Networks</i> , 2015, 66, 40-56.	1.6	14
26	Mixed-Integer Linear Programming Formulations. , 2015, , 17-41.		25
27	Scheduling scientific experiments for comet exploration. <i>Constraints</i> , 2015, 20, 77-99.	0.4	5
28	Energetic reasoning for energy-constrained scheduling with a continuous resource. <i>Journal of Scheduling</i> , 2015, 18, 225-241.	1.3	13
29	Frequency assignment in a SDMA satellite communication system with beam decentring feature. <i>Computational Optimization and Applications</i> , 2013, 56, 439-455.	0.9	4
30	Robust optimization for resource-constrained project scheduling with uncertain activity durations. <i>Flexible Services and Manufacturing Journal</i> , 2013, 25, 175-205.	1.9	93
31	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.	1.9	44
32	The energy scheduling problem: Industrial case-study and constraint propagation techniques. <i>International Journal of Production Economics</i> , 2013, 143, 13-23.	5.1	81
33	Special issue on maintenance scheduling: theory and applications. <i>Journal of Scheduling</i> , 2013, 16, 549-550.	1.3	3
34	Disruption management for commercial airlines: methods and results for the ROADEF 2009 Challenge. <i>European Journal of Industrial Engineering</i> , 2012, 6, 669.	0.5	10
35	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
36	Frequency allocation problem in a SDMA satellite communication system. <i>Computers and Industrial Engineering</i> , 2011, 61, 346-351.	3.4	7

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37	Generalized disjunctive constraint propagation for solving the job shop problem with time lags. Engineering Applications of Artificial Intelligence, 2011, 24, 220-231.	4.3	25
38	Event-based MILP models for resource-constrained project scheduling problems. Computers and Operations Research, 2011, 38, 3-13.	2.4	151
39	A hybrid CP/MILP method for scheduling with energy costs. European Journal of Industrial Engineering, 2011, 5, 471.	0.5	23
40	An evolutionary and constructive approach to a crew scheduling problem in underground passenger transport. Journal of Heuristics, 2010, 16, 575-591.	1.1	25
41	Flexible solutions in disjunctive scheduling: General formulation and study of the flow-shop case. Computers and Operations Research, 2010, 37, 890-898.	2.4	7
42	A Memetic Algorithm with a large neighborhood crossover operator for the Generalized Traveling Salesman Problem. Computers and Operations Research, 2010, 37, 1844-1852.	2.4	90
43	Parallel machine scheduling with precedence constraints and setup times. Computers and Operations Research, 2010, 37, 2141-2151.	2.4	46
44	Articles ROADEF 2007. RAIRO - Operations Research, 2009, 43, 373-374.	1.0	1
45	Solving an integrated employee timetabling and job-shop scheduling problem via hybrid branch-and-bound. Computers and Operations Research, 2009, 36, 2330-2340.	2.4	45
46	The resource-constrained activity insertion problem with minimum and maximum time lags. Journal of Scheduling, 2009, 12, 447-460.	1.3	3
47	A branch and bound method for the job-shop problem with sequence-dependent setup times. Annals of Operations Research, 2008, 159, 135-159.	2.6	56
48	The car sequencing problem: Overview of state-of-the-art methods and industrial case-study of the ROADEF TM 2005 challenge problem. European Journal of Operational Research, 2008, 191, 912-927.	3.5	170
49	Models and methods for frequency assignment with cumulative interference constraints. International Transactions in Operational Research, 2008, 15, 307-324.	1.8	12
50	Maximization of solution flexibility for robust shop scheduling. European Journal of Operational Research, 2005, 165, 314-328.	3.5	64
51	Schedule Generation Schemes for the Job-Shop Problem with Sequence-Dependent Setup Times: Dominance Properties and Computational Analysis. Annals of Operations Research, 2005, 138, 21-52.	2.6	50
52	Constraint-Propagation-Based Cutting Planes: An Application to the Resource-Constrained Project Scheduling Problem. INFORMS Journal on Computing, 2005, 17, 52-65.	1.0	50
53	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times. Lecture Notes in Computer Science, 2004, , 37-49.	1.0	17
54	LSSPER: Solving the Resource-Constrained Project Scheduling Problem with Large Neighbourhood Search. Annals of Operations Research, 2004, 131, 237-257.	2.6	101

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55	Insertion techniques for static and dynamic resource-constrained project scheduling. European Journal of Operational Research, 2003, 149, 249-267.	3.5	202
56	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes. European Journal of Operational Research, 2000, 127, 297-316.	3.5	97
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