

Pierre Lopez

List of Publications by Year in descending order

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31
papers

692
citations

759055

12
h-index

552653

26
g-index

31
all docs

31
docs citations

31
times ranked

535
citing authors

#	ARTICLE	IF	CITATIONS
1	Event-based MILP models for resource-constrained project scheduling problems. Computers and Operations Research, 2011, 38, 3-13.	2.4	151
2	The energy scheduling problem: Industrial case-study and constraint propagation techniques. International Journal of Production Economics, 2013, 143, 13-23.	5.1	81
3	Discrepancy search for the flexible job shop scheduling problem. Computers and Operations Research, 2010, 37, 2192-2201.	2.4	63
4	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
5	Parallel machine scheduling with precedence constraints and setup times. Computers and Operations Research, 2010, 37, 2141-2151.	2.4	46
6	Comparison of mixed integer linear programming models for the resource-constrained project scheduling problem with consumption and production of resources. Flexible Services and Manufacturing Journal, 2013, 25, 25-47.	1.9	44
7	On Not-First/Not-Last conditions in disjunctive scheduling. European Journal of Operational Research, 2000, 127, 332-343.	3.5	28
8	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
9	Mixed-Integer Linear Programming Formulations. , 2015, , 17-41.		25
10	Climbing depth-bounded discrepancy search for solving hybrid flow shop problems. European Journal of Industrial Engineering, 2007, 1, 223.	0.5	24
11	Solving two-stage hybrid flow shop using climbing depth-bounded discrepancy search. Computers and Industrial Engineering, 2011, 60, 320-327.	3.4	15
12	Improved bounds for hybrid flow shop scheduling with multiprocessor tasks. Computers and Industrial Engineering, 2013, 66, 1106-1114.	3.4	14
13	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints. Constraints, 2015, 20, 304-324.	0.4	14
14	Energetic reasoning for energy-constrained scheduling with a continuous resource. Journal of Scheduling, 2015, 18, 225-241.	1.3	13
15	A note on "event-based MILP models for resource-constrained project scheduling problems". Computers and Operations Research, 2013, 40, 1060-1063.	2.4	12
16	YIELDS: A Yet Improved Limited Discrepancy Search for CSPs. Lecture Notes in Computer Science, 2007, , 99-111.	1.0	11
17	Energetic reasoning and mixed-integer linear programming for scheduling with a continuous resource and linear efficiency functions. OR Spectrum, 2016, 38, 459-492.	2.1	10
18	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility. International Journal of Production Research, 2020, 58, 7149-7166.	4.9	10

#	ARTICLE	IF	CITATIONS
19	Modelling and managing disjunctions in scheduling problems. Journal of Intelligent Manufacturing, 1995, 6, 133-144.	4.4	8
20	Heuristic and metaheuristic methods for the multi-skill project scheduling problem with partial preemption. International Transactions in Operational Research, 2023, 30, 858-891.	1.8	8
21	Scheduler-oriented algorithms to improve human-machine cooperation in transportation scheduling support systems. Engineering Applications of Artificial Intelligence, 2012, 25, 801-813.	4.3	6
22	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.	0.5	6
23	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions. Constraints, 2017, 22, 530-547.	0.4	6
24	Polyhedral results and valid inequalities for the continuous energy-constrained scheduling problem. Discrete Applied Mathematics, 2019, 258, 188-203.	0.5	5
25	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks. Lecture Notes in Computer Science, 2011, , 117-130.	1.0	5
26	A decomposition approach for the single-machine scheduling problem. Journal of Decision Systems, 1996, 5, 73-94.	2.2	4
27	Work domain analysis and ecological interface for the vehicle routing problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 471-476.	0.4	4
28	Characterisation by decomposition in scheduling. Computers in Industry, 1998, 36, 113-116.	5.7	1
29	Characterization of all ϵ -approximated sequences for some scheduling problems. , 2011, , .		1
30	Weight-based Heuristics for Constraint Satisfaction and Combinatorial Optimization Problems. Mathematical Modelling and Algorithms, 2012, 11, 193-215.	0.5	1
31	A batch sizing and scheduling problem on parallel machines with different speeds, maintenance operations, setup times and energy costs. , 2015, , .		1