Christophe Rapine

List of Publications by Year
in descending order

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38	828	623574	526166
papers	citations	14 h-index	27 g-index

39	39	39	608
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lot sizing with carbon emission constraints. European Journal of Operational Research, 2013, 227, 55-61.	3.5	204
2	An improved approximation algorithm for the single machine total completion time scheduling problem with availability constraints. European Journal of Operational Research, 2005, 161, 3-10.	3.5	109
3	The single-item green lot-sizing problem with fixed carbon emissions. European Journal of Operational Research, 2016, 248, 849-855.	3.5	68
4	Efficient approximation algorithms for scheduling malleable tasks. , 1999, , .		65
5	A $rac32$â€Approximation Algorithm for Scheduling Independent Monotonic Malleable Tasks. SIAM Journal on Computing, 2007, 37, 401-412.	0.8	48
6	Subliminal Speed Control in Air Traffic Management: Optimization and Simulation. Transportation Science, 2016, 50, 240-262.	2.6	42
7	Sensitivity analysis of scheduling algorithms. European Journal of Operational Research, 2001, 134, 606-615.	3.5	32
8	Minimization of Potential Air Conflicts through Speed Regulation. Transportation Research Record, 2012, 2300, 59-67.	1.0	26
9	Polynomial time algorithms for the constant capacitated single-item lot sizing problem with stepwise production cost. Operations Research Letters, 2012, 40, 390-397.	0.5	20
10	Single machine scheduling with small operator-non-availability periods. Journal of Scheduling, 2012, 15, 127-139.	1.3	19
11	Equity-Oriented Aircraft Collision Avoidance Model. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 172-183.	4.7	19
12	Capacitated lot sizing problems with inventory bounds. Annals of Operations Research, 2015, 229, 1-18.	2.6	18
13	The single item uncapacitated lot-sizing problem with time-dependent batch sizes: NP-hard and polynomial cases. European Journal of Operational Research, 2013, 229, 353-363.	3.5	17
14	Capacity acquisition for the single-item lot sizing problem under energy constraints. Omega, 2018, 81, 112-122.	3.6	17
15	Lot sizing problem with multi-mode replenishment and batch delivery. Omega, 2018, 81, 123-133.	3.6	16
16	Constant approximation algorithms for the one warehouse multiple retailers problem with backlog or lost-sales. European Journal of Operational Research, 2016, 250, 155-163.	3.5	14
17	A simple and fast 2-approximation algorithm for the one-warehouse multi-retailers problem. , 2011, , .		11
18	Multi-item uncapacitated lot sizing problem with inventory bounds. Optimization Letters, 2015, 9, 143-154.	0.9	11

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19	Energy-aware lot sizing problem: Complexity analysis and exact algorithms. International Journal of Production Economics, 2018, 203, 254-263.	5.1	10
20	Worst case analysis of Lawler's algorithm for scheduling trees with communication delays. IEEE Transactions on Parallel and Distributed Systems, 1997, 8, 1085-1086.	4.0	8
21	Approximation algorithms for deterministic continuous-review inventory lot-sizing problems with time-varying demand. European Journal of Operational Research, 2014, 234, 641-649.	3.5	7
22	Erratum to â€œScheduling of a two-machine flowshop with availability constraints on the first machineâ€•[International Journal of Production Economics 99 (2006) 16â€“27]. International Journal of Production Economics, 2013, 142, 211-212.	5.1	6
23	Single-item lot sizing problem with carbon emission under the cap-and-trade policy. , 2014, , .		6
24	Optimal stationary policies in a 3-stage serial production-distribution logistic chain facing constant and continuous demand. European Journal of Operational Research, 2008, 186, 608-619.	3.5	5
25	A polynomial time algorithm for makespan minimization on one machine with forbidden start and completion times. Discrete Optimization, 2013, 10, 241-250.	0.6	5
26	Lot-sizing in a serial distribution system with capacitated in-system production flow. International Journal of Production Economics, 2008, 112, 483-494.	5.1	4
27	A 4D-sequencing approach for air traffic management. European Journal of Operational Research, 2014, 237, 411-425.	3.5	4
28	High-multiplicity scheduling on one machine with forbidden start and completion times. Journal of Scheduling, 2016, 19, 609-616.	1.3	4
29	Using graph concepts to assess the feasibility of a sequenced air traffic flow with low conflict rate. European Journal of Operational Research, 2010, 207, 184-196.	3.5	3
30	An efficient algorithm for the 2-level capacitated lot-sizing problem with identical capacities at both levels. European Journal of Operational Research, 2017, 261, 918-928.	3.5	3
31	Fast Approximation Algorithms for the One-Warehouse Multi-Retailer Problem Under General Cost Structures and Capacity Constraints. Mathematics of Operations Research, 2017, 42, 854-875.	0.8	3
32	Approximations for the Two-Machine Cross-Docking Flow Shop Problem. Discrete Applied Mathematics, 2013, 161, 2107-2119.	0.5	2
33	Bicriteria scheduling for contiguous and non contiguous parallel tasks. Annals of Operations Research, 2008, 159, 97-106.	2.6	1
34	The two-dimensional knapsack problem with splittable items in stacks. Omega, 2022, 112, 102692.	3.6	1
35	Two-stage flexible-choice problems under uncertainty. European Journal of Operational Research, 2010, 201, 399-403.	3.5	0
36	A constant approximation for the one-warehouse multi-retailer problem with backorder. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1487-1492.	0.4	0

#	Article	IF	Citations
37	Coordination des acteurs dans une chaÃ®ne logistique de production-distribution en sÃ©rie avec demande continue. Journal Europeen Des Systemes Automatises, 2005, 39, 819-837.	0.3	0
38	Sensitivity Analysis for One andm Machines. , 0, , 73-98.		0