Marcus Ritt

List of Publications by Year
in descending order

49	696	706676 14	651938 25
papers	citations	h-index	g-index

50	50	50	624
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A note on â€œAlgorithms for the Calzedonia workload allocation problemâ€• Journal of the Operational Research Society, 2022, 73, 1420-1422.	2.1	1
2	Capping methods for the automatic configuration of optimization algorithms. Computers and Operations Research, 2022, 139, 105615.	2.4	5
3	Automatic generation of iterated greedy algorithms for the non-permutation flow shop scheduling problem with total completion time minimization. Computers and Industrial Engineering, 2022, 163, 107843.	3.4	14
4	A new heuristic for finding verifiable k-vertex-critical subgraphs. Journal of Heuristics, 2022, 28, 61.	1.1	0
5	A hybrid heuristic for the maximum dispersion problem. European Journal of Operational Research, 2021, 288, 721-735.	3.5	1
6	ACVIZ: A tool for the visual analysis of the configuration of algorithms with irace. Operations Research Perspectives, 2021, 8, 100186.	1.2	2
7	Heuristic and exact algorithms for minimum-weight non-spanning arborescences. European Journal of Operational Research, 2020, 287, 61-75.	3.5	1
8	A generic approach to districting with diameter or center-based objectives. , 2019, , .		2
9	Evolving task priority rules for heterogeneous assembly line balancing. , 2019, , .		1
10	An effective heuristic algorithm for the partial shop scheduling problem. Computers and Operations Research, 2018, 93, 51-65.	2.4	11
11	Exact and heuristic methods for solving the Robotic Assembly Line Balancing Problem. European Journal of Operational Research, 2018, 270, 146-156.	3.5	53
12	Automatic Algorithm Configuration for the Permutation Flow Shop Scheduling Problem Minimizing Total Completion Time. Lecture Notes in Computer Science, 2018, , 85-100.	1.0	3
13	A Multistart Alternating Tabu Search for Commercial Districting. Lecture Notes in Computer Science, 2018, , 158-173.	1.0	6
14	Improved integer programming models for simple assembly line balancing and related problems. International Transactions in Operational Research, 2018, 25, 1345-1359.	1.8	20
15	Automatic Design of Heuristics for Minimizing the Makespan in Permutation Flow Shops. , 2018, , .		6
16	A memetic algorithm for the cost-oriented robotic assembly line balancing problem. Computers and Operations Research, 2018, 99, 249-261.	2.4	43
17	Fast heuristics for minimizing the makespan in non-permutation flow shops. Computers and Operations Research, 2018, 100, 230-243.	2.4	27
18	On the minimization of traffic congestion in road networks with tolls. Annals of Operations Research, 2017, 249, 119-139.	2.6	34

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19	An iterated tabu search for the multi-compartment vehicle routing problem. Computers and Operations Research, 2017, 81, 192-202.	2.4	70
20	A genetic algorithm for fair land allocation. , 2017, , .		7
21	Solving Atomix with Pattern Databases. , 2016, , .		1
22	Improved Airport Ground Traffic Control with Domain-Dependent Heuristics. , 2016, , .		0
23	A bi-objective method of traffic assignment for electric vehicles. , 2016, , .		0
24	A branch-and-bound algorithm with cyclic best-first search for the permutation flow shop scheduling problem. , 2016, , .		1
25	Pull and PushPull are PSPACE-complete. Theoretical Computer Science, 2016, 628, 50-61.	0.5	4
26	Simulated annealing for the machine reassignment problem. Annals of Operations Research, 2016, 242, 93-114.	2.6	9
27	The assembly line worker assignment and balancing problem with stochastic worker availability. International Journal of Production Research, 2016, 54, 907-922.	4.9	45
28	Two simple and effective heuristics for minimizing the makespan in non-permutation flow shops. Computers and Operations Research, 2016, 66, 160-169.	2.4	30
29	Solving Sokoban Optimally with Domain-Dependent Move Pruning. , 2015, , .		1
30	Optimal Sokoban solving using pattern databases with specific domain knowledge. Artificial Intelligence, 2015, 227, 52-70.	3.9	11
31	Including workers with disabilities in flow shop scheduling. , 2015, , .		0
32	Optimum design of a banked memory with power management for wireless sensor networks. Wireless Networks, 2015, 21, 81-94.	2.0	3
33	Deriving Reduced Transistor Count Circuits from AIGs. , 2014, , .		3
34	A heuristic and a branch-and-bound algorithm for the Assembly Line Worker Assignment and Balancing Problem. Computers and Operations Research, 2014, 45, 87-96.	2.4	80
35	Flow shop scheduling with heterogeneous workers. European Journal of Operational Research, 2014, 237, 713-720.	3.5	36
36	An iterated sample construction with path relinking method: Application to switch allocation in electrical distribution networks. Computers and Operations Research, 2013, 40, 24-32.	2.4	14

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37	A New Memory Banking System for Energy-Efficient Wireless Sensor Networks. , 2013, , .		1
38	Timing error handling on CGRAs. , 2013, , .		1
39	Low-Power Processors Require Effective Memory Partitioning. IFIP Advances in Information and Communication Technology, 2013, , 73-81.	0.5	3
40	A real-valued genetic algorithm for gemstone cutting. , 2012, , .		3
41	Simple heuristics for the assembly line worker assignment and balancing problem. Journal of Heuristics, 2012, 18, 505-524.	1.1	66
42	A biased random-key genetic algorithm for OSPF and DEFT routing to minimize network congestion. International Transactions in Operational Research, 2011, 18, 401-423.	1.8	24
43	A biased random-key genetic algorithm for road congestion minimization. Optimization Letters, 2010, 4, 619-633.	0.9	39
44	A Cost-Effective Technique for Mapping BLUTs to QLUTs in FPGAs. , 2010, , .		0
45	An integer linear programming approach for approximate string comparison. European Journal of Operational Research, 2009, 198, 706-714.	3.5	5
46	An improved particle filter for sparse environments. Journal of the Brazilian Computer Society, 2009, 15, 55-64.	0.8	0
47	Object-Oriented Message-Passing in Heterogeneous Environments. Lecture Notes in Computer Science, 2008, , 151-158.	1.0	0
48	Improving Monte Carlo Localization in sparse environments using structural environment information. , 2008, , .		8
49	Visualization of Parallel Execution Graphs. Lecture Notes in Computer Science, 1998, , 403-412.	1.0	1