

Marc Sevaux

List of Publications by Year in descending order

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74
papers

1,516
citations

331259

21
h-index

377514

34
g-index

79
all docs

79
docs citations

79
times ranked

1299
citing authors

#	ARTICLE	IF	CITATIONS
1	Metaphor-based metaheuristics, a call for action: the elephant in the room. Swarm Intelligence, 2022, 16, 1-6.	1.3	45
2	Focus distance-aware lifetime maximization of video camera-based wireless sensor networks. Journal of Heuristics, 2021, 27, 5-30.	1.1	6
3	Comments on: Tabu search tutorial. A Graph Drawing Application. Top, 2021, 29, 354-356.	1.1	0
4	Planning a multi-sensors search for a moving target considering traveling costs. European Journal of Operational Research, 2021, 292, 469-482.	3.5	7
5	Spatial and temporal robustness for scheduling a target tracking mission using wireless sensor networks. Computers and Operations Research, 2021, 132, 105321.	2.4	5
6	Integrated decision support system for rich vehicle routing problems. Expert Systems With Applications, 2021, 178, 114998.	4.4	3
7	BVNS Approach for the Order Processing in Parallel Picking Workstations. Lecture Notes in Computer Science, 2021, , 176-190.	1.0	4
8	Robust scheduling for target tracking using wireless sensor networks. Computers and Operations Research, 2020, 116, 104873.	2.4	12
9	On solving the order processing in picking workstations. Optimization Letters, 2020, , 1.	0.9	3
10	Basic variable neighborhood search for the minimum sitting arrangement problem. Journal of Heuristics, 2020, 26, 249-268.	1.1	3
11	On a multi-trip vehicle routing problem with time windows integrating European and French driver regulations. Journal on Vehicle Routing Algorithms, 2019, 2, 55-74.	1.5	4
12	A comment on "What makes a VRP solution good? The generation of problem-specific knowledge for heuristics". Computers and Operations Research, 2019, 110, 130-134.	2.4	6
13	An exact approach to extend network lifetime in a general class of wireless sensor networks. Information Sciences, 2018, 433-434, 274-291.	4.0	18
14	Bi-Objective Cost Function for Adaptive Routing in Network-on-Chip. IEEE Transactions on Multi-Scale Computing Systems, 2018, 4, 177-187.	2.5	5
15	Minimum energy target tracking with coverage guarantee in wireless sensor networks. European Journal of Operational Research, 2018, 265, 882-894.	3.5	27
16	A History of Metaheuristics. , 2018, , 791-808.		57
17	Adaptive and Multilevel Metaheuristics. , 2018, , 3-21.		5
18	Application-aware Multi-Objective Routing based on Genetic Algorithm for 2D Network-on-Chip. Microprocessors and Microsystems, 2018, 61, 135-153.	1.8	5

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19	A History of Metaheuristics. , 2018, , 1-18.		30
20	Heuristics for lifetime maximization in camera sensor networks. Information Sciences, 2017, 385-386, 475-491.	4.0	8
21	LPCN: Least polar-angle connected node algorithm to find a polygon hull in a connected euclidean graph. Journal of Network and Computer Applications, 2017, 93, 38-50.	5.8	5
22	D-LPCN: A distributed least polar-angle connected node algorithm for finding the boundary of a wireless sensor network. Ad Hoc Networks, 2017, 56, 56-71.	3.4	31
23	Multiple neighborhood search, tabu search and ejection chains for the multi-depot open vehicle routing problem. Computers and Industrial Engineering, 2017, 107, 211-222.	3.4	60
24	Improving the performance of embedded systems with variable neighborhood search. Applied Soft Computing Journal, 2017, 53, 217-226.	4.1	6
25	Partial target coverage to extend the lifetime in wireless multi-role sensor networks. Networks, 2016, 68, 34-53.	1.6	16
26	Heuristic Based Routing Algorithm for Network on Chip. , 2016, , .		3
27	A Two-Level solution approach to solve the Clustered Capacitated Vehicle Routing Problem. Computers and Industrial Engineering, 2016, 91, 274-289.	3.4	52
28	Robust scheduling of wireless sensor networks for target tracking under uncertainty. European Journal of Operational Research, 2016, 252, 407-417.	3.5	36
29	Simulation of Preference Information in an Interactive Reference Point-Based Method for the Bi-Objective Inventory Routing Problem. Journal of Multi-Criteria Decision Analysis, 2015, 22, 17-35.	1.0	10
30	Solving dynamic memory allocation problems in embedded systems with parallel variable neighborhood search strategies. Electronic Notes in Discrete Mathematics, 2015, 47, 85-92.	0.4	15
31	A multiple neighborhood search for dynamic memory allocation in embedded systems. Journal of Heuristics, 2015, 21, 719-749.	1.1	1
32	Line formation algorithm in a swarm of reactive robots constrained by underwater environment. Expert Systems With Applications, 2015, 42, 5117-5127.	4.4	24
33	Exact approaches for lifetime maximization in connectivity constrained wireless multi-role sensor networks. European Journal of Operational Research, 2015, 241, 28-38.	3.5	27
34	Interactive Approach to the Inventory Routing Problem: Computational Speedup Through Focused Search. Lecture Notes in Logistics, 2015, , 339-353.	0.6	5
35	Multiple Mobile Target Tracking in Wireless Sensor Networks. Lecture Notes in Computer Science, 2014, , 123-130.	1.0	1
36	A column generation approach to extend lifetime in wireless sensor networks with coverage and connectivity constraints. Computers and Operations Research, 2014, 52, 220-230.	2.4	39

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37	GRASP with ejection chains for the dynamic memory allocation in embedded systems. <i>Soft Computing</i> , 2014, 18, 1515-1527.	2.1	8
38	Lifetime maximization in wireless directional sensor network. <i>European Journal of Operational Research</i> , 2013, 231, 229-241.	3.5	33
39	Iterative approaches for a dynamic memory allocation problem in embedded systems. <i>European Journal of Operational Research</i> , 2013, 231, 34-42.	3.5	4
40	On the use of multiple sinks to extend the lifetime in connected wireless sensor networks. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 41, 77-84.	0.4	11
41	A metaheuristic for the school bus routing problem with bus stop selection. <i>European Journal of Operational Research</i> , 2013, 229, 518-528.	3.5	128
42	Matheuristic approaches for Q -coverage problem versions in wireless sensor networks. <i>Engineering Optimization</i> , 2013, 45, 609-626.	1.5	22
43	Parallel Deadlock Detection and Recovery for Networks-on-Chip Dedicated to Diffused Computations. , 2013, , .		5
44	An exact approach for maximizing the lifetime of sensor networks with adjustable sensing ranges. <i>Computers and Operations Research</i> , 2012, 39, 3166-3176.	2.4	32
45	Column generation algorithm for sensor coverage scheduling under bandwidth constraints. <i>Networks</i> , 2012, 60, 141-154.	1.6	27
46	A mathematical model and a metaheuristic approach for a memory allocation problem. <i>Journal of Heuristics</i> , 2012, 18, 149-167.	1.1	14
47	MemExplorer: From C Code to Memory Allocation. <i>Journal of Low Power Electronics</i> , 2012, 8, 394-402.	0.6	0
48	The Biobjective Inventory Routing Problem – Problem Solution and Decision Support. <i>Lecture Notes in Computer Science</i> , 2011, , 365-378.	1.0	10
49	Three new upper bounds on the chromatic number. <i>Discrete Applied Mathematics</i> , 2011, 159, 2281-2289.	0.5	5
50	TABU SEARCH FOR MULTIPROCESSOR SCHEDULING: APPLICATION TO HIGH LEVEL SYNTHESIS. <i>Asia-Pacific Journal of Operational Research</i> , 2011, 28, 201-212.	0.9	5
51	Two Iterative Metaheuristic Approaches to Dynamic Memory Allocation for Embedded Systems. <i>Lecture Notes in Computer Science</i> , 2011, , 250-261.	1.0	4
52	On the Cover Scheduling Problem in Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2011, , 657-668.	1.0	6
53	A metaheuristic for the fixed job scheduling problem under spread time constraints. <i>Computers and Operations Research</i> , 2010, 37, 1045-1054.	2.4	14
54	A Robust-Solution-Based Methodology to Solve Multiple-Objective Problems with Uncertainty. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2009, , 197-207.	0.3	2

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55	Hybrid Flow-Shop: a Memetic Algorithm Using Constraint-Based Scheduling for Efficient Search. <i>Mathematical Modelling and Algorithms</i> , 2009, 8, 271-292.	0.5	23
56	A Practical Approach for Robust and Flexible Vehicle Routing Using Metaheuristics and Monte Carlo Sampling. <i>Mathematical Modelling and Algorithms</i> , 2009, 8, 387-407.	0.5	33
57	A Hybrid Grouping Genetic Algorithm for Multiprocessor Scheduling. <i>Communications in Computer and Information Science</i> , 2009, , 1-7.	0.4	6
58	Stimulating information sharing, collaboration and learning in operations research with libOR. <i>International Journal on Digital Libraries</i> , 2008, 8, 79-90.	1.1	2
59	Key Research Issues for Reconfigurable Network-on-Chip. , 2008, , .		17
60	Multiple Neighbourhood Search in Commercial VRP Packages: Evolving Towards Self-Adaptive Methods. <i>Studies in Computational Intelligence</i> , 2008, , 239-253.	0.7	17
61	Probability-Driven Simulated Annealing for Optimizing Digital FIR Filters. <i>Studies in Computational Intelligence</i> , 2008, , 77-93.	0.7	3
62	A curve-fitting genetic algorithm for a styling application. <i>European Journal of Operational Research</i> , 2007, 179, 895-905.	3.5	15
63	A mathematical formulation for a school bus routing problem. , 2006, , .		43
64	A genetic algorithm for a bi-objective capacitated arc routing problem. <i>Computers and Operations Research</i> , 2006, 33, 3473-3493.	2.4	113
65	MAPM: memetic algorithms with population management. <i>Computers and Operations Research</i> , 2006, 33, 1214-1225.	2.4	103
66	An Exact Method to Minimize the Number of Tardy Jobs in Single Machine Scheduling. <i>Journal of Scheduling</i> , 2004, 7, 405-420.	1.3	27
67	A genetic algorithm for robust schedules in a one-machine environment with ready times and due dates. <i>4or</i> , 2004, 2, 129.	1.0	27
68	Using Lagrangean relaxation to minimize the weighted number of late jobs on a single machine. <i>Naval Research Logistics</i> , 2003, 50, 273-288.	1.4	37
69	Genetic algorithms to minimize the weighted number of late jobs on a single machine. <i>European Journal of Operational Research</i> , 2003, 151, 296-306.	3.5	77
70	Multiobjective Capacitated Arc Routing Problem. <i>Lecture Notes in Computer Science</i> , 2003, , 550-564.	1.0	17
71	Reactive scheduling of complex system maintenance in a cooperative environment with communication times. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2003, 33, 225-234.	3.3	11
72	Models and solving procedures for continuous-time production planning. <i>IIE Transactions</i> , 2000, 32, 93-103.	2.1	8

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73	Models and solving procedures for continuous-time production planning. IIE Transactions, 2000, 32, 93-103.	2.1	9
74	Handling Discrete Demand in Continuous-Time Production Planning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 463-468.	0.4	0