André Rossi

List of Publications by Year
in descending order

61 papers	833 citations	16 h-index	25 g-index
62 all docs	62 docs citations	62 times ranked	696 citing authors

516710

580821

#	Article	IF	Citations
1	Multiple neighborhood search, tabu search and ejection chains for the multi-depot open vehicle routing problem. Computers and Industrial Engineering, 2017, 107, 211-222.	6.3	60
2	A Two-Level solution approach to solve the Clustered Capacitated Vehicle Routing Problem. Computers and Industrial Engineering, 2016, 91, 274-289.	6.3	52
3	Verification of gate-level arithmetic circuits by function extraction. , 2015, , .		51
4	A column generation approach to extend lifetime in wireless sensor networks with coverage and connectivity constraints. Computers and Operations Research, 2014, 52, 220-230.	4.0	39
5	Formal Verification of Arithmetic Circuits by Function Extraction. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2016, 35, 2131-2142.	2.7	39
6	Robust scheduling of wireless sensor networks for target tracking under uncertainty. European Journal of Operational Research, 2016, 252, 407-417.	5.7	36
7	Lifetime maximization in wireless directional sensor network. European Journal of Operational Research, 2013, 231, 229-241.	5.7	33
8	An exact approach for maximizing the lifetime of sensor networks with adjustable sensing ranges. Computers and Operations Research, 2012, 39, 3166-3176.	4.0	32
9	A genetic algorithm based exact approach for lifetime maximization of directional sensor networks. Ad Hoc Networks, 2013, 11, 1006-1021.	5.5	28
10	Column generation algorithm for sensor coverage scheduling under bandwidth constraints. Networks, 2012, 60, 141-154.	2.7	27
11	Exact approaches for lifetime maximization in connectivity constrained wireless multi-role sensor networks. European Journal of Operational Research, 2015, 241, 28-38.	5.7	27
12	Minimum energy target tracking with coverage guarantee in wireless sensor networks. European Journal of Operational Research, 2018, 265, 882-894.	5.7	27
13	A robustness measure of the configuration of multi-purpose machines. International Journal of Production Research, 2010, 48, 1013-1033.	7.5	22
14	Matheuristic approaches for Q-coverage problem versions in wireless sensor networks. Engineering Optimization, 2013, 45, 609-626.	2.6	22
15	An Artificial Bee Colony Algorithm for the 0â€"1 Multidimensional Knapsack Problem. Communications in Computer and Information Science, 2010, , 141-151.	0.5	21
16	Maximizing the robustness for simple assembly lines with fixed cycle time and limited number of workstations. Discrete Applied Mathematics, 2016, 208, 123-136.	0.9	20
17	New heuristics for two bounded-degree spanning tree problems. Information Sciences, 2012, 195, 226-240.	6.9	19
18	Two hybrid metaheuristic approaches for the covering salesman problem. Neural Computing and Applications, 2020, 32, 15643-15663.	5.6	19

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19	An exact approach to extend network lifetime in a general class of wireless sensor networks. Information Sciences, 2018, 433-434, 274-291.	6.9	18
20	Partial target coverage to extend the lifetime in wireless multiâ€role sensor networks. Networks, 2016, 68, 34-53.	2.7	16
21	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
22	A metaheuristic for the fixed job scheduling problem under spread time constraints. Computers and Operations Research, 2010, 37, 1045-1054.	4.0	14
23	A mathematical model and a metaheuristic approach for a memory allocation problem. Journal of Heuristics, 2012, 18, 149-167.	1.4	14
24	Towards effective exact methods for the Maximum Balanced Biclique Problem in bipartite graphs. European Journal of Operational Research, 2018, 269, 834-843.	5.7	14
25	Robust scheduling for target tracking using wireless sensor networks. Computers and Operations Research, 2020, 116, 104873.	4.0	12
26	An integrated design flow for the joint generation of control and interfaces from a business model. Computers in Industry, 2013, 64, 634-649.	9.9	10
27	Solving robust bin-packing problems with a branch-and-price approach. European Journal of Operational Research, 2022, 297, 831-843.	5.7	10
28	Function Extraction from Arithmetic Bit-Level Circuits. , 2014, , .		8
29	GRASP with ejection chains for the dynamic memory allocation in embedded systems. Soft Computing, 2014, 18, 1515-1527.	3.6	8
30	Heuristics for lifetime maximization in camera sensor networks. Information Sciences, 2017, 385-386, 475-491.	6.9	8
31	Connectivity-and-hop-constrained design of electricity distribution networks. European Journal of Operational Research, 2012, 218, 48-57.	5.7	7
32	Robust balancing of transfer lines with blocks of uncertain parallel tasks under fixed cycle time and space restrictions. European Journal of Operational Research, 2021, 290, 946-955.	5.7	7
33	Cutting-plane-based algorithms for two branch vertices related spanning tree problems. Optimization and Engineering, 2014, 15, 855-887.	2.4	6
34	Group scheduling problems in directional sensor networks. Engineering Optimization, 2015, 47, 1651-1669.	2.6	6
35	Improving the performance of embedded systems with variable neighborhood search. Applied Soft Computing Journal, 2017, 53, 217-226.	7.2	6
36	Focus distance-aware lifetime maximization of video camera-based wireless sensor networks. Journal of Heuristics, 2021, 27, 5-30.	1.4	6

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37	A Hybrid Grouping Genetic Algorithm for Multiprocessor Scheduling. Communications in Computer and Information Science, 2009, , 1-7.	0.5	6
38	On the Cover Scheduling Problem in Wireless Sensor Networks. Lecture Notes in Computer Science, 2011, , 657-668.	1.3	6
39	Three new upper bounds on the chromatic number. Discrete Applied Mathematics, 2011, 159, 2281-2289.	0.9	5
40	TABU SEARCH FOR MULTIPROCESSOR SCHEDULING: APPLICATION TO HIGH LEVEL SYNTHESIS. Asia-Pacific Journal of Operational Research, 2011, 28, 201-212.	1.3	5
41	Bit-accurate energy estimation for Networks-on-Chip. Journal of Systems Architecture, 2017, 77, 112-124.	4.3	5
42	Spatial and temporal robustness for scheduling a target tracking mission using wireless sensor networks. Computers and Operations Research, 2021, 132, 105321.	4.0	5
43	Multi-start iterated local search, exact and matheuristic approaches for minimum capacitated dominating set problem. Applied Soft Computing Journal, 2021, 108, 107437.	7.2	5
44	Architecture and models of the DANAH assistive system. , 2008, , .		4
45	Iterative approaches for a dynamic memory allocation problem in embedded systems. European Journal of Operational Research, 2013, 231, 34-42.	5.7	4
46	Arithmetic Bit-Level Verification Using Network Flow Model. Lecture Notes in Computer Science, 2013, , 327-343.	1.3	4
47	Two Iterative Metaheuristic Approaches to Dynamic Memory Allocation for Embedded Systems. Lecture Notes in Computer Science, 2011, , 250-261.	1.3	4
48	Stability factor for robust balancing of simple assembly lines under uncertainty. Discrete Applied Mathematics, 2022, 318, 113-132.	0.9	4
49	Joint generation of controls and interfaces for sociotechnical and reconfigurable systems. , 2010, , .		3
50	Etude de robustesse : configuration d'un parc de machines partiellement multifonctions. Journal Europeen Des Systemes Automatises, 2004, 38, 373-395.	0.4	3
51	Maximizing the configuration robustness for parallel multi-purpose machines under setup cost constraints. Journal of Scheduling, 2012, 15, 457-471.	1.9	2
52	Swarm intelligence, exact and matheuristic approaches for minimum weight directed dominating set problem. Engineering Applications of Artificial Intelligence, 2022, 109, 104647.	8.1	2
53	Using Integer Linear Programming in Test-bench Generation for Evaluating Communication Processors. , 2009, , .		1
54	A generic off-line approach for dealing with uncertainty in production systems optimisation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1481-1486.	0.4	1

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55	A sensitivity analysis to assess the completion time deviation for multi-purpose machines facing demand uncertainty. Annals of Operations Research, 2011, 191, 219-249.	4.1	1
56	Multiple Mobile Target Tracking in Wireless Sensor Networks. Lecture Notes in Computer Science, 2014, , 123-130.	1.3	1
57	A multiple neighborhood search for dynamic memory allocation in embedded systems. Journal of Heuristics, 2015, 21, 719-749.	1.4	1
58	Crosstalk-aware link power model for Networks-on-Chip. , 2016, , .		1
59	The Robustness of Multi-Purpose Machines Workshop Configuration. , 0, , 53-71.		1
60	MemExplorer: From C Code to Memory Allocation. Journal of Low Power Electronics, 2012, 8, 394-402.	0.6	0
61	Energy Savings in Networks-on-Chip with Smart Temporal Shielding. Journal of Low Power Electronics, 2017, 13, 441-455.	0.6	0