AndrÃ© Rossi

List of Publications by Year
in descending order

61 papers	833 citations	516710 16 h-index	580821 25 g-index
62 all docs	62 docs citations	62 times ranked	696 citing authors

#	Article	IF	Citations
1	Solving robust bin-packing problems with a branch-and-price approach. European Journal of Operational Research, 2022, 297, 831-843.	5.7	10
2	Swarm intelligence, exact and matheuristic approaches for minimum weight directed dominating set problem. Engineering Applications of Artificial Intelligence, 2022, 109, 104647.	8.1	2
3	Stability factor for robust balancing of simple assembly lines under uncertainty. Discrete Applied Mathematics, 2022, 318, 113-132.	0.9	4
4	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
5	Focus distance-aware lifetime maximization of video camera-based wireless sensor networks. Journal of Heuristics, 2021, 27, 5-30.	1.4	6
6	Spatial and temporal robustness for scheduling a target tracking mission using wireless sensor networks. Computers and Operations Research, 2021, 132, 105321.	4.0	5
7	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
8	Robust scheduling for target tracking using wireless sensor networks. Computers and Operations Research, 2020, 116, 104873.	4.0	12
9	Two hybrid metaheuristic approaches for the covering salesman problem. Neural Computing and Applications, 2020, 32, 15643-15663.	5.6	19
10	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
11	Minimum energy target tracking with coverage guarantee in wireless sensor networks. European Journal of Operational Research, 2018, 265, 882-894.	5.7	27
12	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
13	Heuristics for lifetime maximization in camera sensor networks. Information Sciences, 2017, 385-386, 475-491.	6.9	8
14	Bit-accurate energy estimation for Networks-on-Chip. Journal of Systems Architecture, 2017, 77, 112-124.	4.3	5
15	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
16	Improving the performance of embedded systems with variable neighborhood search. Applied Soft Computing Journal, 2017, 53, 217-226.	7.2	6
17	Energy Savings in Networks-on-Chip with Smart Temporal Shielding. Journal of Low Power Electronics, 2017, 13, 441-455.	0.6	0
18	Partial target coverage to extend the lifetime in wireless multiâ€role sensor networks. Networks, 2016, 68, 34-53.	2.7	16

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19	Crosstalk-aware link power model for Networks-on-Chip. , 2016, , .		1
20	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
21	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
22	A Two-Level solution approach to solve the Clustered Capacitated Vehicle Routing Problem. Computers and Industrial Engineering, 2016, 91, 274-289.	6.3	52
23	Robust scheduling of wireless sensor networks for target tracking under uncertainty. European Journal of Operational Research, 2016, 252, 407-417.	5.7	36
24	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
25	Verification of gate-level arithmetic circuits by function extraction. , 2015, , .		51
26	A multiple neighborhood search for dynamic memory allocation in embedded systems. Journal of Heuristics, 2015, 21, 719-749.	1.4	1
27	Group scheduling problems in directional sensor networks. Engineering Optimization, 2015, 47, 1651-1669.	2.6	6
28	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
29	Multiple Mobile Target Tracking in Wireless Sensor Networks. Lecture Notes in Computer Science, 2014, , 123-130.	1.3	1
30	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
31	Cutting-plane-based algorithms for two branch vertices related spanning tree problems. Optimization and Engineering, 2014, 15, 855-887.	2.4	6
32	Function Extraction from Arithmetic Bit-Level Circuits. , 2014, , .		8
33	GRASP with ejection chains for the dynamic memory allocation in embedded systems. Soft Computing, 2014, 18, 1515-1527.	3.6	8
34	A genetic algorithm based exact approach for lifetime maximization of directional sensor networks. Ad Hoc Networks, 2013, 11, 1006-1021.	5.5	28
35	Lifetime maximization in wireless directional sensor network. European Journal of Operational Research, 2013, 231, 229-241.	5.7	33
36	Iterative approaches for a dynamic memory allocation problem in embedded systems. European Journal of Operational Research, 2013, 231, 34-42.	5.7	4

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37	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
38	Matheuristic approaches for<i>Q</i>-coverage problem versions in wireless sensor networks. Engineering Optimization, 2013, 45, 609-626.	2.6	22
39	Arithmetic Bit-Level Verification Using Network Flow Model. Lecture Notes in Computer Science, 2013, , 327-343.	1.3	4
40	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
41	Maximizing the configuration robustness for parallel multi-purpose machines under setup cost constraints. Journal of Scheduling, 2012, 15, 457-471.	1.9	2
42	New heuristics for two bounded-degree spanning tree problems. Information Sciences, 2012, 195, 226-240.	6.9	19
43	Connectivity-and-hop-constrained design of electricity distribution networks. European Journal of Operational Research, 2012, 218, 48-57.	5.7	7
44	Column generation algorithm for sensor coverage scheduling under bandwidth constraints. Networks, 2012, 60, 141-154.	2.7	27
45	A mathematical model and a metaheuristic approach for a memory allocation problem. Journal of Heuristics, 2012, 18, 149-167.	1.4	14
46	MemExplorer: From C Code to Memory Allocation. Journal of Low Power Electronics, 2012, 8, 394-402.	0.6	0
47	Three new upper bounds on the chromatic number. Discrete Applied Mathematics, 2011, 159, 2281-2289.	0.9	5
48	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
49	TABU SEARCH FOR MULTIPROCESSOR SCHEDULING: APPLICATION TO HIGH LEVEL SYNTHESIS. Asia-Pacific Journal of Operational Research, 2011, 28, 201-212.	1.3	5
50	Two Iterative Metaheuristic Approaches to Dynamic Memory Allocation for Embedded Systems. Lecture Notes in Computer Science, 2011, , 250-261.	1.3	4
51	On the Cover Scheduling Problem in Wireless Sensor Networks. Lecture Notes in Computer Science, 2011, , 657-668.	1.3	6
52	A metaheuristic for the fixed job scheduling problem under spread time constraints. Computers and Operations Research, 2010, 37, 1045-1054.	4.0	14
53	A robustness measure of the configuration of multi-purpose machines. International Journal of Production Research, 2010, 48, 1013-1033.	7.5	22
54	An Artificial Bee Colony Algorithm for the 0â€"1 Multidimensional Knapsack Problem. Communications in Computer and Information Science, 2010, , 141-151.	0.5	21

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55	Joint generation of controls and interfaces for sociotechnical and reconfigurable systems. , 2010, , .		3
56	Using Integer Linear Programming in Test-bench Generation for Evaluating Communication Processors. , 2009, , .		1
57	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
58	A Hybrid Grouping Genetic Algorithm for Multiprocessor Scheduling. Communications in Computer and Information Science, 2009, , 1-7.	0.5	6
59	Architecture and models of the DANAH assistive system. , 2008, , .		4
60	Etude de robustesse : configuration d'un parc de machines partiellement multifonctions. Journal Europeen Des Systemes Automatises, 2004, 38, 373-395.	0.4	3
61	The Robustness of Multi-Purpose Machines Workshop Configuration. , 0, , 53-71.		1