Roberto Cordone

List of Publications by Year
in descending order

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62 papers	1,222 citations	430874 18 h-index	377865 34 g-index
62 all docs	62 docs citations	62 times ranked	728 citing authors

#	Article	IF	Citations
1	Supervisory Control of Timed Discrete-Event Systems With Logical and Temporal Specifications. IEEE Transactions on Automatic Control, 2022, 67, 2800-2815.	5.7	8
2	Metaheuristics for the Minimum Gap Graph Partitioning Problem. Computers and Operations Research, 2021, 132, 105301.	4.0	9
3	On finding connected balanced partitions of trees. Discrete Applied Mathematics, 2021, 299, 1-16.	0.9	3
4	A bi-objective model for the single-machine scheduling problem with rejection cost and total tardiness minimization. Computers and Operations Research, 2019, 102, 130-140.	4.0	24
5	A Branch-and-Bound Algorithm for the Prize-Collecting Single-Machine Scheduling Problem with Deadlines and Total Tardiness Minimization. INFORMS Journal on Computing, 2018, 30, 168-180.	1.7	11
6	Toward Smart Building Design Automation: Extensible CAD Framework for Indoor Localization Systems Deployment. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2018, 37, 133-145.	2.7	6
7	On edge-aware path-based color spatial sampling for Retinex: from Termite Retinex to Light Energy-driven Termite Retinex. Journal of Electronic Imaging, 2017, 26, 031203.	0.9	15
8	Multimode extensions of Combinatorial Optimization problems. Electronic Notes in Discrete Mathematics, 2016, 55, 17-20.	0.4	0
9	The Prize-collecting Scheduling Problem with Deadlines. Electronic Notes in Discrete Mathematics, 2016, 55, 57-60.	0.4	1
10	Floor plan design and automatic nodes deployment for indoor location and monitoring systems. , 2016, , .		1
11	Partitioning a graph into minimum gap components. Electronic Notes in Discrete Mathematics, 2016, 55, 33-36.	0.4	5
12	Preemption-aware planning on big-data systems. , 2016, , .		0
13	The multimode covering location problem. Computers and Operations Research, 2016, 67, 25-33.	4.0	20
14	A branch and bound approach for the design of decentralized supervisors in Petri net models. Automatica, 2015, 52, 322-333.	5.0	45
15	Construction and improvement algorithms for dispersion problems. European Journal of Operational Research, 2015, 242, 21-33.	5.7	19
16	A variable neighborhood search algorithm for the multimode set covering problem. Journal of Global Optimization, 2015, 63, 461-480.	1.8	8
17	Column-generation based bounds for the Homogeneous Areas Problem. European Journal of Operational Research, 2014, 236, 695-705.	5.7	4
18	Optimal selection of contracts and work shifts in multi-skill call centers. EURO Journal on Computational Optimization, 2014, 2, 247-277.	2.4	3

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19	Balanced compact clustering for efficient range queries in metric spaces. Discrete Applied Mathematics, 2014, 169, 43-67.	0.9	2
20	Employee workload balancing by graph partitioning. Discrete Applied Mathematics, 2014, 165, 112-129.	0.9	7
21	Decentralized monitors design for Petri net models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 73-79.	0.4	0
22	Simulation and optimization models for emergency medical systems planning. Journal of Emergency Management, 2014, 12, 287-301.	0.3	4
23	Integrated design of optimal supervisors for the enforcement of static and behavioral specifications in Petri net models. Automatica, 2013, 49, 3432-3439.	5.0	66
24	Designing Optimal Deadlock Avoidance Policies for Sequential Resource Allocation Systems Through Classification Theory: Existence Results and Customized Algorithms. IEEE Transactions on Automatic Control, 2013, 58, 2772-2787.	5.7	32
25	Parsimonious deadlock-free Petri net models of flexible manufacturing systems. , 2013, , .		1
26	Parsimonious Monitor Control of Petri Net Models of Flexible Manufacturing Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 215-221.	9.3	39
27	A GRASP metaheuristic for microarray data analysis. Computers and Operations Research, 2013, 40, 3108-3120.	4.0	7
28	An integer optimization approach for reverse engineering of gene regulatory networks. Discrete Applied Mathematics, 2013, 161, 580-592.	0.9	4
29	Compact and decentralized supervisors for general constraint enforcement in Petri net models. , 2013, , .		2
30	Compact supervisors for general constraint enforcement in Petri net models with uncontrollable transitions. , 2013, , .		2
31	Maximally permissive deadlock avoidance for sequential resource allocation systems using disjunctions of linear classifiers. , 2012, , .		9
32	Solving the Quadratic Minimum Spanning Tree Problem. Applied Mathematics and Computation, 2012, 218, 11597-11612.	2.2	22
33	Monitor optimization in Petri net control. , 2011, , .		14
34	Optimizing the demand captured by a railway system with a regular timetable. Transportation Research Part B: Methodological, 2011, 45, 430-446.	5.9	59
35	Comparing local search metaheuristics for the maximum diversity problem. Journal of the Operational Research Society, 2011, 62, 266-280.	3.4	39
36	Optimization of Multi-skill Call Centers Contracts and Work-shifts. Service Science, 2011, 3, 67-81.	1.3	12

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37	A reachability graph partitioning technique for the analysis of deadlock prevention methods in bounded Petri nets. , 2010, , .		10
38	Efficient deadlock prevention in Petri nets through the generation of selected siphons. , 2009, , .		1
39	Combined Siphon and Marking Generation for Deadlock Prevention in Petri Nets. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 650-661.	2.9	162
40	Partitioning and Scheduling of Task Graphs on Partially Dynamically Reconfigurable FPGAs. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2009, 28, 662-675.	2.7	43
41	Tabu Search versus GRASP for the maximum diversity problem. 4or, 2008, 6, 45-60.	1.6	31
42	Solving the swath segment selection problem through Lagrangean relaxation. Computers and Operations Research, 2008, 35, 854-862.	4.0	3
43	Selective Siphon Control for Deadlock Prevention in Petri Nets. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2008, 38, 1337-1348.	2.9	220
44	On Projecting Sums of Products. , 2008, , .		12
45	Molecular Dynamics Simulation of Aqueous Solutions of 26-Unit Segments of p(NIPAAm) and of p(NIPAAm) â€œDopedâ€•with Amino Acid Based Comonomers. Journal of Physical Chemistry B, 2008, 112, 11896-11906.	2.6	35
46	A RELAX-AND-CUT ALGORITHM FOR THE KNAPSACK NODE WEIGHTED STEINER TREE PROBLEM. Asia-Pacific Journal of Operational Research, 2008, 25, 373-391.	1.3	1
47	The optimization of kEP-SOPs. ACM Transactions on Design Automation of Electronic Systems, 2008, 13, 1-31.	2.6	6
48	Logic Synthesis of EXOR Projected Sum of Products. , 2008, , 241-257.		0
49	An approximation algorithm for fully testable kEP-SOP networks. , 2007, , .		4
50	A decision support tool to plan shifts in a home for the aged. , 2007, , .		0
51	A subexponential algorithm for the coloured tree partition problem. Discrete Applied Mathematics, 2007, 155, 1326-1335.	0.9	0
52	An exact algorithm for the node weighted Steiner tree problem. 4or, 2006, 4, 124-144.	1.6	3
53	EXOR Projected Sum of Products. , 2006, , .		7
54	A RECURSIVE METHOD FOR MINIMAL SIPHON ENUMERATION IN PETRI NETS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 49-54.	0.4	0

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55	On the complexity of graph tree partition problems. Discrete Applied Mathematics, 2004, 134, 51-65.	0.9	19
56	The Multicommodity Multilevel Bottleneck Assignment Problem. Electronic Notes in Discrete Mathematics, 2004, 17, 35-40.	0.4	8
57	The demand-dependent optimization of regular train timetables. Electronic Notes in Discrete Mathematics, 2004, 17, 99-104.	0.4	29
58	A heuristic approach to the overnight security service problem. Computers and Operations Research, 2003, 30, 1269-1287.	4.0	68
59	A Heuristic for the Vehicle Routing Problem with Time Windows. Journal of Heuristics, 2001, 7, 107-129.	1.4	46
60	Coloured Ant System and Local Search to Design Local Telecommunication Networks. Lecture Notes in Computer Science, 2001, , 60-69.	1.3	4
61	Instabilities in Creative Professions: A Minimal Model. Nonlinear Dynamics, Psychology, and Life Sciences, 2000, 4, 255-273.	0.2	7
62	Maximum feasible subsystems of distance geometry constraints. Journal of Global Optimization, 0, , 1.	1.8	0