Marco Antonio Boschetti

List of Publications by Year
in descending order

42 papers	747 citations	567281 15 h-index	552781 26 g-index
45 all docs	45 docs citations	45 times ranked	581 citing authors

#	Article	IF	Citations
1	Modeling Distributed MQTT Systems Using Multicommodity Flow Analysis. Electronics (Switzerland), 2022, 11, 1498.	3.1	1
2	Matheuristics: using mathematics for heuristic design. 4or, 2022, 20, 173-208.	1.6	15
3	Stochastic premarshalling of block stacking warehouses. Omega, 2021, 102, 102336.	5.9	7
4	Population-Based Metaheuristics. EURO Advanced Tutorials on Operational Research, 2021, , 95-130.	0.6	0
5	Single Solution Metaheuristics. EURO Advanced Tutorials on Operational Research, 2021, , 61-94.	0.6	0
6	Diving Heuristics. EURO Advanced Tutorials on Operational Research, 2021, , 133-141.	0.6	0
7	Matheuristics. EURO Advanced Tutorials on Operational Research, 2021, , .	0.6	31
8	Automatic Design for Matheuristics. EURO Advanced Tutorials on Operational Research, 2021, , 35-57.	0.6	1
9	A Heuristic Algorithm for solving a large-scale real-world territory design problem. Omega, 2021, 103, 102442.	5.9	8
10	Corridor Method. EURO Advanced Tutorials on Operational Research, 2021, , 179-187.	0.6	0
11	Kernel Search. EURO Advanced Tutorials on Operational Research, 2021, , 189-197.	0.6	1
12	The Generalized Assignment Problem. EURO Advanced Tutorials on Operational Research, 2021, , 3-33.	0.6	5
13	Very Large-Scale Neighborhood Search. EURO Advanced Tutorials on Operational Research, 2021, , 143-158.	0.6	2
14	An exact method for shrinking pivot tables. Omega, 2020, 93, 102044.	5.9	3
15	Client-side Computational Optimization. ACM Transactions on Mathematical Software, 2019, 45, 1-16.	2.9	4
16	Membership overlay design optimization with resource constraints (accelerated on GPU). Journal of Parallel and Distributed Computing, 2019, 133, 286-296.	4.1	2
17	Route relaxations on GPU for vehicle routing problems. European Journal of Operational Research, 2017, 258, 456-466.	5.7	8
18	Using GPU Computing for Solving the Two-Dimensional Guillotine Cutting Problem. INFORMS Journal on Computing, 2016, 28, 540-552.	1.7	8

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19	A set covering based matheuristic for a real€world city logistics problem. International Transactions in Operational Research, 2015, 22, 169-195.	2.7	28
20	Algorithms for nesting with defects. Discrete Applied Mathematics, 2014, 163, 17-33.	0.9	38
21	A Lagrangian heuristic for sprint planning in agile software development. Computers and Operations Research, 2014, 43, 116-128.	4.0	17
22	A Fully Distributed Lagrangean Solution for a Peer-to-Peer Overlay Network Design Problem. INFORMS Journal on Computing, 2011, 23, 90-104.	1.7	6
23	An Exact Algorithm for the Two-Dimensional Strip-Packing Problem. Operations Research, 2010, 58, 1774-1791.	1.9	43
24	Soft Variable Fixing in Path Relinking: An Application to ACO Codes. Lecture Notes in Computer Science, 2010, , 576-577.	1.3	0
25	Decomposition Techniques as Metaheuristic Frameworks. Annals of Information Systems, 2009, , 135-158.	0.5	11
26	Exact methods for large-scale multi-period financial planning problems. Computational Management Science, 2009, 6, 281-306.	1.3	4
27	Benders decomposition, Lagrangean relaxation and metaheuristic design. Journal of Heuristics, 2009, 15, 283-312.	1.4	53
28	Real world finite capacity planning: a partial enumeration â€" based optimizer. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 2023-2028.	0.4	0
29	Matheuristics: Optimization, Simulation and Control. Lecture Notes in Computer Science, 2009, , 171-177.	1.3	91
30	A dual ascent procedure for the set partitioning problem. Discrete Optimization, 2008, 5, 735-747.	0.9	25
31	A cutting-plane approach for the two-dimensional orthogonal non-guillotine cutting problem. European Journal of Operational Research, 2007, 183, 1136-1149.	5.7	45
32	GRID-based services for optimized freight distribution. , 2006, , .		0
33	An Ant System Heuristic for the Two-Dimensional Finite Bin Packing Problem: preliminary results. Mathematics in Industry, 2005, , 233-247.	0.3	5
34	Scatter Search Methods for the Covering Tour Problem. , 2005, , 59-91.		14
35	An Exact Algorithm for the Simplified Multiple Depot Crew Scheduling Problem. Annals of Operations Research, 2004, 127, 177-201.	4.1	18
36	New lower bounds for the three-dimensional finite bin packing problem. Discrete Applied Mathematics, 2004, 140, 241-258.	0.9	42

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37	An Ant Approach to Membership Overlay Design. Lecture Notes in Computer Science, 2004, , 37-48.	1.3	9
38	The two-dimensional finite bin packing problem. Part I: New lower bounds for the oriented case. 4or, 2003, 1, 27.	1.6	52
39	The Two-Dimensional Finite Bin Packing Problem. Part II: New lower and upper bounds. 4or, 2003, 1, 135.	1.6	29
40	New upper bounds for the two-dimensional orthogonal non-guillotine cutting stock problem. IMA Journal of Management Mathematics, 2002, 13, 95-119.	1.6	45
41	A Set Partitioning Approach to the Crew Scheduling Problem. Operations Research, 1999, 47, 873-888.	1.9	68
42	A Comparison of Three Basic Conjugate Direction Methods. Numerical Linear Algebra With Applications, 1996, 3, 473-489.	1.6	4