Maurizio Boccia

List of Publications by Year
in descending order

31 papers	655 citations	623734 14 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	590 citing authors

#	Article	IF	Citations
1	Solving a fuel delivery problem by heuristic and exact approaches. European Journal of Operational Research, 2004, 152, 170-179.	5.7	112
2	A cutting plane algorithm for the capacitated facility location problem. Computational Optimization and Applications, 2009, 43, 39-65.	1.6	84
3	A computational study of exact knapsack separation for the generalized assignment problem. Computational Optimization and Applications, 2010, 45, 543-555.	1.6	79
4	An aggregation heuristic for large scale p-median problem. Computers and Operations Research, 2012, 39, 1625-1632.	4.0	57
5	An effective heuristic for large-scale capacitated facility location problems. Journal of Heuristics, 2009, 15, 597-615.	1.4	44
6	A Cut and Branch Approach for the Capacitated p-Median Problem Based on Fenchel Cutting Planes. Mathematical Modelling and Algorithms, 2008, 7, 43-58.	0.5	35
7	Multi-commodity location-routing: Flow intercepting formulation and branch-and-cut algorithm. Computers and Operations Research, 2018, 89, 94-112.	4.0	34
8	Time-Indexed Formulations for the Runway Scheduling Problem. Transportation Science, 2017, 51, 1196-1209.	4.4	30
9	Flow Intercepting Facility Location: Problems, Models and Heuristics. Mathematical Modelling and Algorithms, 2009, 8, 35-79.	0.5	22
10	Near-Optimal Solutions of Large-Scale Single-Machine Scheduling Problems. INFORMS Journal on Computing, 2005, 17, 183-191.	1.7	21
11	Computational experience with general cutting planes for the Set Covering problem. Operations Research Letters, 2009, 37, 16-20.	0.7	20
12	Resource Constrained Shortest Path Problems in Path Planning for Fleet Management. Mathematical Modelling and Algorithms, 2004, 3, 1-17.	0.5	17
13	A penalty function heuristic for the resource constrained shortest path problem. European Journal of Operational Research, 2002, 142, 221-230.	5.7	16
14	Polyhedral study of simple plant location problem with order. Operations Research Letters, 2013, 41, 153-158.	0.7	14
15	A decomposition approach for a very large scale optimal diversity management problem. 4or, 2005, 3, 23-37.	1.6	13
16	A Branch-and-Cut Algorithm for the Multilevel Generalized Assignment Problem. IEEE Access, 2013, 1, 475-479.	4.2	13
17	A Branch-and-Cut Algorithm for the Median-Path Problem. Computational Optimization and Applications, 2005, 32, 215-230.	1.6	10
18	Computational Testing of a Separation Procedure for the Knapsack Set with a Single Continuous Variable. INFORMS Journal on Computing, 2012, 24, 165-171.	1.7	8

#	Article	IF	Citations
19	An implementation of exact knapsack separation. Journal of Global Optimization, 2016, 66, 127-150.	1.8	7
20	A Partitioning Based Heuristic for a Variant of the Simple Pattern Minimality Problem. Springer Proceedings in Mathematics and Statistics, 2017, , 93-102.	0.2	6
21	A Branch-and-Cut algorithm for the Single Source Capacitated Facility Location problem. , 2013, , .		3
22	Special issue on: Optimization methods for decision making: advances and applications. Soft Computing, 2019, 23, 2849-2852.	3.6	2
23	Simple Pattern Minimality Problems: Integer Linear Programming Formulations and Covering-Based Heuristic Solving Approaches. INFORMS Journal on Computing, 0, , .	1.7	2
24	A fast heuristic for a three-dimensional non-convex domain loading problem. 4or, 2011, 9, 83-101.	1.6	1
25	New computational results with an exact knapsack separation procedure for structured Binary Integer Programming problems. , 2013, , .		1
26	Mixed integer lifted cover inequalities for knapsack problems with a single continuous variable. , 2013, , .		1
27	A Local Branching MIP Heuristic for a Real-World Curriculum-Based Course Timetabling Problem. Communications in Computer and Information Science, 2019, , 438-451.	0.5	1
28	Practice Summary: Solving the External Candidates Exam Schedule in Norway. INFORMS Journal on Applied Analytics, 0, , .	1.1	1
29	OPS4Math project - Optimization and Problem Solving for Teaching of Mathematics: teaching strategy, organization and objectives. , 0, , .		1
30	A MILP formulation for a batch scheduling problem on parallel machines in the aircraft industry. , 2013, , .		0
31	Optimal Location of Welds on the Vehicle Wiring Harness: P-Median Based Exact and Heuristic Approaches. Lecture Notes in Computer Science, 2020, , 315-328.	1.3	0