Mauro Dell'Amico

List of Publications by Year
in descending order

80 papers	3,697 citations	185998 28 h-index	161609 54 g-index
80 all docs	80 docs citations	80 times ranked	2715 citing authors

#	Article	IF	Citations
1	Assignment Problems. , 2009, , .		579
2	Applying tabu search to the job-shop scheduling problem. Annals of Operations Research, 1993, 41, 231-252.	2.6	463
3	The bike sharing rebalancing problem: Mathematical formulations and benchmark instances. Omega, 2014, 45, 7-19.	3.6	259
4	A Branch-and-Price Approach to the Vehicle Routing Problem with Simultaneous Distribution and Collection. Transportation Science, 2006, 40, 235-247.	2.6	164
5	A destroy and repair algorithm for the Bike sharing Rebalancing Problem. Computers and Operations Research, 2016, 71, 149-162.	2.4	118
6	A branch and bound algorithm for the multiple depot vehicle scheduling problem. Networks, 1989, 19, 531-548.	1.6	112
7	The Capacitated <i>m</i>-Ring-Star Problem. Operations Research, 2007, 55, 1147-1162.	1.2	109
8	Optimal Scheduling of Tasks on Identical Parallel Processors. ORSA Journal on Computing, 1995, 7, 191-200.	1.7	105
9	The Bike sharing Rebalancing Problem with Stochastic Demands. Transportation Research Part B: Methodological, 2018, 118, 362-380.	2.8	95
10	Exact solution of large-scale, asymmetric traveling salesman problems. ACM Transactions on Mathematical Software, 1995, 21, 394-409.	1.6	94
11	Algorithms and codes for dense assignment problems: the state of the art. Discrete Applied Mathematics, 2000, 100, 17-48.	0.5	86
12	Heuristic Algorithms for the Multiple Depot Vehicle Scheduling Problem. Management Science, 1993, 39, 115-125.	2.4	79
13	Combinatorial Benders' Cuts for the Strip Packing Problem. Operations Research, 2014, 62, 643-661.	1.2	76
14	Shop Problems With Two Machines and Time Lags. Operations Research, 1996, 44, 777-787.	1.2	67
15	Heuristic Approaches for the Fleet Size and Mix Vehicle Routing Problem with Time Windows. Transportation Science, 2007, 41, 516-526.	2.6	61
16	The k-cardinality assignment problem. Discrete Applied Mathematics, 1997, 76, 103-121.	0.5	59
17	Drone-assisted deliveries: new formulations for the flying sidekick traveling salesman problem. Optimization Letters, 2021, 15, 1617-1648.	0.9	55
18	Matheuristic algorithms for the parallel drone scheduling traveling salesman problem. Annals of Operations Research, 2020, 289, 211-226.	2.6	53

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19	Heuristic and Exact Algorithms for the Identical Parallel Machine Scheduling Problem. INFORMS Journal on Computing, 2008, 20, 333-344.	1.0	52
20	A lower bound for the non-oriented two-dimensional bin packing problem. Discrete Applied Mathematics, 2002, 118, 13-24.	0.5	51
21	Innovative Logistics Model and Containers Solution for Efficient Last Mile Delivery. Procedia, Social and Behavioral Sciences, 2012, 48, 1505-1514.	0.5	51
22	An analysis of drivers route choice behaviour using GPS data and optimal alternatives. Journal of Transport Geography, 2016, 51, 119-129.	2.3	45
23	Mathematical models and decomposition methods for the multiple knapsack problem. European Journal of Operational Research, 2019, 274, 886-899.	3.5	37
24	A Branch-and-Cut Algorithm for the Double Traveling Salesman Problem with Multiple Stacks. INFORMS Journal on Computing, 2013, 25, 41-55.	1.0	35
25	Algorithms based on branch and bound for the flying sidekick traveling salesman problem. Omega, 2021, 104, 102493.	3.6	35
26	Exact solution of the SONET Ring Loading Problem. Operations Research Letters, 1999, 25, 119-129.	0.5	34
27	A rolling horizon algorithm for auto-carrier transportation. Transportation Research Part B: Methodological, 2015, 76, 68-80.	2.8	33
28	The Bin Packing Problem with Precedence Constraints. Operations Research, 2012, 60, 1491-1504.	1.2	31
29	A branch-and-price algorithm for the temporal bin packing problem. Computers and Operations Research, 2020, 114, 104825.	2.4	31
30	Bounds for the cardinality constrainedP?Cmax problem. Journal of Scheduling, 2001, 4, 123-138.	1.3	28
31	The single-finger keyboard layout problem. Computers and Operations Research, 2009, 36, 3002-3012.	2.4	28
32	Heuristic algorithms for the multi-depot ring-star problem. European Journal of Operational Research, 2010, 203, 270-281.	3.5	28
33	Branch-and-cut for the pickup and delivery traveling salesman problem with FIFO loading. Computers and Operations Research, 2010, 37, 970-980.	2.4	27
34	Friendly bin packing instances without Integer Round-up Property. Mathematical Programming, 2015, 150, 5-17.	1.6	27
35	Exact models for the flying sidekick traveling salesman problem. International Transactions in Operational Research, 2022, 29, 1360-1393.	1.8	27
36	Enhanced arc-flow formulations to minimize weighted completion time on identical parallel machines. European Journal of Operational Research, 2019, 275, 67-79.	3.5	26

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37	Shortest paths in piecewise continuous time-dependent networks. Operations Research Letters, 2008, 36, 688-691.	0.5	25
38	Optimization of a Real-World Auto-Carrier Transportation Problem. Transportation Science, 2015, 49, 402-419.	2.6	25
39	Modeling the flying sidekick traveling salesman problem with multiple drones. Networks, 2021, 78, 303-327.	1.6	24
40	A note on exact algorithms for the identical parallel machine scheduling problem. European Journal of Operational Research, 2005, 160, 576-578.	3.5	23
41	A Tree Partitioning Dynamic Policy for OVSF Codes Assignment in Wideband CDMA. IEEE Transactions on Wireless Communications, 2004, 3, 1013-1017.	6.1	21
42	Comparing Metaheuristic Algorithms for Sonet Network Design Problems. Journal of Heuristics, 2005, 11, 35-57.	1.1	21
43	Algorithm 750: CDT. ACM Transactions on Mathematical Software, 1995, 21, 410-415.	1.6	20
44	An Adaptive Iterated Local Search for the Mixed Capacitated General Routing Problem. Transportation Science, 2016, 50, 1223-1238.	2.6	19
45	Efficient algorithms and codes for k-cardinality assignment problems. Discrete Applied Mathematics, 2001, 110, 25-40.	0.5	18
46	Solution of the Cumulative Assignment Problem With a Well-Structured Tabu Search Method. Journal of Heuristics, 1999, 5, 123-143.	1.1	17
47	Heuristic Algorithms and Scatter Search for the Cardinality Constrained $P\overline{a}$",CmaxProblem. Journal of Heuristics, 2004, 10, 169-204.	1.1	17
48	Machine Learning for Severity Classification of Accidents Involving Powered Two Wheelers. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4308-4317.	4.7	17
49	Solution of large weighted equicut problems. European Journal of Operational Research, 1998, 106, 500-521.	3.5	16
50	Two-Phase Earthwork Optimization Model for Highway Construction. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	2.0	16
51	The base-matroid and inverse combinatorial optimization problems. Discrete Applied Mathematics, 2003, 128, 337-353.	0.5	14
52	Lower bounds and heuristic algorithms for the ki-partitioning problem. European Journal of Operational Research, 2006, 171, 725-742.	3.5	13
53	A batching-move iterated local search algorithm for the bin packing problem with generalized precedence constraints. International Journal of Production Research, 2017, 55, 6288-6304.	4.9	13
54	Open shop, satellite communication and a theorem by Egerváry (1931). Operations Research Letters, 1996, 18, 207-211.	0.5	12

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55	Lower and upper bounds for the Bin Packing Problem with Fragile Objects. Discrete Applied Mathematics, 2014, 163, 73-86.	0.5	10
56	Scheduling jobs with release dates on identical parallel machines by minimizing the total weighted completion time. Computers and Operations Research, 2020, 123, 105018.	2.4	10
57	A New Tabu Search Approach to the 0â€"1 Equicut Problem. , 1996, , 361-377.		10
58	On some multicriteria arborescence problems: Complexity and algorithms. Discrete Applied Mathematics, 1996, 65, 191-206.	0.5	9
59	Combining Linear and Non-Linear Objectives in Spanning Tree Problems. Journal of Combinatorial Optimization, 2000, 4, 253-269.	0.8	8
60	Exact algorithms for the bin packing problem with fragile objects. Discrete Optimization, 2013, 10, 210-223.	0.6	8
61	Complexity of spanning tree problems with leaf-dependent objectives. Networks, 1996, 27, 175-181.	1.6	6
62	A Random Restart Local Search Matheuristic for the Flying Sidekick Traveling Salesman Problem. , 2021, , .		5
63	New bounds for optimum traffic assignment in satellite communication. Computers and Operations Research, 1998, 25, 729-743.	2.4	4
64	Reduction of the Three-Partition Problem. Journal of Combinatorial Optimization, 1999, 3, 17-30.	0.8	4
65	A Decision Support System for Highway Construction: The Autostrada Pedemontana Lombarda. Interfaces, 2016, 46, 245-263.	1.6	4
66	Solving a Real-Life Distributorâ€™s Pallet Loading Problem. Mathematical and Computational Applications, 2021, 26, 53.	0.7	4
67	Minimizing the sum of weighted completion times with unrestricted weights. Discrete Applied Mathematics, 1995, 63, 25-41.	0.5	3
68	Solution of the SONET Ring Assignment Problem with Capacity Constraints. , 2005, , 93-116.		3
69	Assessing the consistency between observed and modelled route choices through GPS data. , 2015, , .		3
70	Scheduling cleaning activities on trains by minimizing idle times. Journal of Scheduling, 2017, 20, 493-506.	1.3	3
71	On f-domination: polyhedral and algorithmic results. Mathematical Methods of Operations Research, 2019, 90, 1-22.	0.4	3
72	A linear time algorithm for scheduling outforests with communication delays on three processors. Journal of Algorithms, 2002, 44, 287-307.	0.9	2

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73	A subjective field test on lane departure warning function in the framework of the euroFOT project. , 2009, , .		2
74	Bin Packing Problem With General Precedence Constraints. IFAC-PapersOnLine, 2015, 48, 2027-2029.	0.5	2
75	A note on exact and heuristic algorithms for the identical parallel machine scheduling problem. Journal of Heuristics, 2012, 18, 939-942.	1.1	1
76	Forecasting Natural Gas Flows in Large Networks. Lecture Notes in Computer Science, 2018, , 158-171.	1.0	1
77	On total f-domination: Polyhedral and algorithmic results. Discrete Applied Mathematics, 2019, 258, 97-104.	0.5	1
78	Classification of Livebus arrivals user behavior. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2017, 21, 375-389.	2.6	0
79	Design of an Adaptive Feedback Based Steering Wheel. Lecture Notes in Computer Science, 2007, , 180-188.	1.0	0
80	A Decision Support System for Earthwork Activities in Construction Logistics. AIRO Springer Series, 2019, , 167-178.	0.4	0