

Roberto Baldacci

List of Publications by Year in descending order

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54
papers

3,821
citations

168829

31
h-index

206121

51
g-index

58
all docs

58
docs citations

58
times ranked

2588
citing authors

#	ARTICLE	IF	CITATIONS
1	Branch-price-and-cut for trucks and drones cooperative delivery. IISE Transactions, 2023, 55, 271-287.	1.6	14
2	The bus sightseeing problem. International Transactions in Operational Research, 2023, 30, 4026-4060.	1.8	2
3	Scheduling heterogeneous delivery tasks on a mixed logistics platform. European Journal of Operational Research, 2022, 298, 680-698.	3.5	4
4	Routing Optimization with Generalized Consistency Requirements. Transportation Science, 2022, 56, 223-244.	2.6	8
5	Robustness of solutions to the capacitated facility location problem with uncertain demand. Optimization Letters, 2022, 16, 2711-2727.	0.9	3
6	An exact algorithm for the unidirectional quay crane scheduling problem with vessel stability. European Journal of Operational Research, 2021, 291, 271-283.	3.5	21
7	A Benders Decomposition Approach for the Multivehicle Production Routing Problem with Order-up-to-Level Policy. Transportation Science, 2021, 55, 160-178.	2.6	23
8	A Heuristic Algorithm for solving a large-scale real-world territory design problem. Omega, 2021, 103, 102442.	3.6	8
9	A New Branch-and-Price-and-Cut Algorithm for One-Dimensional Bin-Packing Problems. INFORMS Journal on Computing, 2020, 32, 428-443.	1.0	38
10	Branch-and-price-and-cut for the synchronized vehicle routing problem with split delivery, proportional service time and multiple time windows. Transportation Research, Part E: Logistics and Transportation Review, 2020, 140, 101955.	3.7	41
11	Optimal Solution of Vehicle Routing Problems with Fractional Objective Function. Transportation Science, 2020, 54, 434-452.	2.6	2
12	A Benders decomposition-based framework for solving quay crane scheduling problems. European Journal of Operational Research, 2019, 273, 504-515.	3.5	34
13	A Branch-and-Price Algorithm for the Ring-Tree Facility Location Problem. Electronic Notes in Theoretical Computer Science, 2019, 346, 3-14.	0.9	1
14	Capacitated ring arborescence problems with profits. OR Spectrum, 2019, 41, 357-389.	2.1	1
15	The electric two-echelon vehicle routing problem. Computers and Operations Research, 2019, 103, 198-210.	2.4	92
16	Routing optimization with time windows under uncertainty. Mathematical Programming, 2019, 175, 263-305.	1.6	30
17	A Multi-Depot Two-Echelon Vehicle Routing Problem with Delivery Options Arising in the Last Mile Distribution. European Journal of Operational Research, 2018, 265, 765-778.	3.5	177
18	Preface: Emerging challenges in transportation planning. Networks, 2018, 72, 309-310.	1.6	0

#	ARTICLE	IF	CITATIONS
19	A branch-and-price algorithm for scheduling of deteriorating jobs and flexible periodic maintenance on a single machine. <i>European Journal of Operational Research</i> , 2018, 271, 826-838.	3.5	44
20	Pricing strategies for capacitated ring-star problems based on dynamic programming algorithms. <i>European Journal of Operational Research</i> , 2017, 262, 879-893.	3.5	10
21	The Vehicle Routing Problem with Transshipment Facilities. <i>Transportation Science</i> , 2017, 51, 592-606.	2.6	13
22	Algorithms for nesting with defects. <i>Discrete Applied Mathematics</i> , 2014, 163, 17-33.	0.5	38
23	An Exact Algorithm for the Two-Echelon Capacitated Vehicle Routing Problem. <i>Operations Research</i> , 2013, 61, 298-314.	1.2	140
24	New State-Space Relaxations for Solving the Traveling Salesman Problem with Time Windows. <i>INFORMS Journal on Computing</i> , 2012, 24, 356-371.	1.0	57
25	Recent exact algorithms for solving the vehicle routing problem under capacity and time window constraints. <i>European Journal of Operational Research</i> , 2012, 218, 1-6.	3.5	350
26	An Exact Algorithm for the Period Routing Problem. <i>Operations Research</i> , 2011, 59, 228-241.	1.2	69
27	New Route Relaxation and Pricing Strategies for the Vehicle Routing Problem. <i>Operations Research</i> , 2011, 59, 1269-1283.	1.2	336
28	An Exact Method for the Capacitated Location-Routing Problem. <i>Operations Research</i> , 2011, 59, 1284-1296.	1.2	108
29	An Exact Algorithm for the Pickup and Delivery Problem with Time Windows. <i>Operations Research</i> , 2011, 59, 414-426.	1.2	168
30	An exact solution framework for a broad class of vehicle routing problems. <i>Computational Management Science</i> , 2010, 7, 229-268.	0.8	63
31	Exact algorithms for routing problems under vehicle capacity constraints. <i>Annals of Operations Research</i> , 2010, 175, 213-245.	2.6	120
32	Heuristic algorithms for the multi-depot ring-star problem. <i>European Journal of Operational Research</i> , 2010, 203, 270-281.	3.5	28
33	Some applications of the generalized vehicle routing problem. <i>Journal of the Operational Research Society</i> , 2010, 61, 1072-1077.	2.1	67
34	Valid inequalities for the fleet size and mix vehicle routing problem with fixed costs. <i>Networks</i> , 2009, 54, 178-189.	1.6	25
35	A unified exact method for solving different classes of vehicle routing problems. <i>Mathematical Programming</i> , 2009, 120, 347-380.	1.6	184
36	Exact methods for large-scale multi-period financial planning problems. <i>Computational Management Science</i> , 2009, 6, 281-306.	0.8	4

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37	An exact algorithm for the vehicle routing problem based on the set partitioning formulation with additional cuts. <i>Mathematical Programming</i> , 2008, 115, 351-385.	1.6	239
38	Routing a Heterogeneous Fleet of Vehicles. <i>Operations Research/ Computer Science Interfaces Series</i> , 2008, , 3-27.	0.3	101
39	The Capacitated m -Ring-Star Problem. <i>Operations Research</i> , 2007, 55, 1147-1162.	1.2	109
40	A cutting-plane approach for the two-dimensional orthogonal non-guillotine cutting problem. <i>European Journal of Operational Research</i> , 2007, 183, 1136-1149.	3.5	45
41	Recent advances in vehicle routing exact algorithms. <i>4or</i> , 2007, 5, 269-298.	1.0	71
42	The multiple disposal facilities and multiple inventory locations rollonâ€“roll-off vehicle routing problem. <i>Computers and Operations Research</i> , 2006, 33, 2667-2702.	2.4	62
43	Exact methods based on node-routing formulations for undirected arc-routing problems. <i>Networks</i> , 2006, 47, 52-60.	1.6	84
44	Lower Bounds and an Exact Method for the Capacitated Vehicle Routing Problem. , 2006, , .		2
45	An Exact Method for the Car Pooling Problem Based on Lagrangean Column Generation. <i>Operations Research</i> , 2004, 52, 422-439.	1.2	208
46	An Exact Algorithm for the Capacitated Vehicle Routing Problem Based on a Two-Commodity Network Flow Formulation. <i>Operations Research</i> , 2004, 52, 723-738.	1.2	195
47	An exact algorithm for the Traveling Salesman Problem with Deliveries and Collections. <i>Networks</i> , 2003, 42, 26-41.	1.6	44
48	A new method for solving capacitated location problems based on a set partitioning approach. <i>Computers and Operations Research</i> , 2002, 29, 365-386.	2.4	48
49	The Rollonâ€“Rolloff Vehicle Routing Problem. <i>Transportation Science</i> , 2000, 34, 271-288.	2.6	67
50	An Exact Method for the Vehicle Routing Problem with Backhauls. <i>Transportation Science</i> , 1999, 33, 315-329.	2.6	101
51	A Bionomic Approach to the Capacitated p -Median Problem. <i>Journal of Heuristics</i> , 1998, 4, 263-280.	1.1	66
52	A Multi-Depot Period Vehicle Routing Problem Arising in the Utilities Sector. <i>Journal of the Operational Research Society</i> , 1998, 49, 1239.	2.1	5
53	A multi-depot period vehicle routing problem arising in the utilities sector. <i>Journal of the Operational Research Society</i> , 1998, 49, 1239-1248.	2.1	47
54	Optimal Steiner trees under node and edge privacy conflicts. <i>Journal of Combinatorial Optimization</i> , 0, , 1.	0.8	0