

Roberto Baldacci

List of Publications by Year in descending order

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54
papers

3,821
citations

147801

31
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182427

51
g-index

58
all docs

58
docs citations

58
times ranked

2290
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.7	350
2	New Route Relaxation and Pricing Strategies for the Vehicle Routing Problem. <i>Operations Research</i> , 2011, 59, 1269-1283.	1.9	336
3	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.	2.4	239
4	An Exact Method for the Car Pooling Problem Based on Lagrangean Column Generation. <i>Operations Research</i> , 2004, 52, 422-439.	1.9	208
5	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.	1.9	195
6	A unified exact method for solving different classes of vehicle routing problems. <i>Mathematical Programming</i> , 2009, 120, 347-380.	2.4	184
7	A Multi-Depot Two-Echelon Vehicle Routing Problem with Delivery Options Arising in the Last Mile Distribution. <i>European Journal of Operational Research</i> , 2018, 265, 765-778.	5.7	177
8	An Exact Algorithm for the Pickup and Delivery Problem with Time Windows. <i>Operations Research</i> , 2011, 59, 414-426.	1.9	168
9	An Exact Algorithm for the Two-Echelon Capacitated Vehicle Routing Problem. <i>Operations Research</i> , 2013, 61, 298-314.	1.9	140
10	Exact algorithms for routing problems under vehicle capacity constraints. <i>Annals of Operations Research</i> , 2010, 175, 213-245.	4.1	120
11	The Capacitated m -Ring-Star Problem. <i>Operations Research</i> , 2007, 55, 1147-1162.	1.9	109
12	An Exact Method for the Capacitated Location-Routing Problem. <i>Operations Research</i> , 2011, 59, 1284-1296.	1.9	108
13	An Exact Method for the Vehicle Routing Problem with Backhauls. <i>Transportation Science</i> , 1999, 33, 315-329.	4.4	101
14	Routing a Heterogeneous Fleet of Vehicles. <i>Operations Research/ Computer Science Interfaces Series</i> , 2008, , 3-27.	0.3	101
15	The electric two-echelon vehicle routing problem. <i>Computers and Operations Research</i> , 2019, 103, 198-210.	4.0	92
16	Exact methods based on node-routing formulations for undirected arc-routing problems. <i>Networks</i> , 2006, 47, 52-60.	2.7	84
17	Recent advances in vehicle routing exact algorithms. <i>4or</i> , 2007, 5, 269-298.	1.6	71
18	An Exact Algorithm for the Period Routing Problem. <i>Operations Research</i> , 2011, 59, 228-241.	1.9	69

#	ARTICLE	IF	CITATIONS
19	The Rollonâ€“Rolloff Vehicle Routing Problem. <i>Transportation Science</i> , 2000, 34, 271-288.	4.4	67
20	Some applications of the generalized vehicle routing problem. <i>Journal of the Operational Research Society</i> , 2010, 61, 1072-1077.	3.4	67
21	A Bionomic Approach to the Capacitated p-Median Problem. <i>Journal of Heuristics</i> , 1998, 4, 263-280.	1.4	66
22	An exact solution framework for a broad class of vehicle routing problems. <i>Computational Management Science</i> , 2010, 7, 229-268.	1.3	63
23	The multiple disposal facilities and multiple inventory locations rollonâ€“rolloff vehicle routing problem. <i>Computers and Operations Research</i> , 2006, 33, 2667-2702.	4.0	62
24	New State-Space Relaxations for Solving the Traveling Salesman Problem with Time Windows. <i>INFORMS Journal on Computing</i> , 2012, 24, 356-371.	1.7	57
25	A new method for solving capacitated location problems based on a set partitioning approach. <i>Computers and Operations Research</i> , 2002, 29, 365-386.	4.0	48
26	A multi-depot period vehicle routing problem arising in the utilities sector. <i>Journal of the Operational Research Society</i> , 1998, 49, 1239-1248.	3.4	47
27	A cutting-plane approach for the two-dimensional orthogonal non-guillotine cutting problem. <i>European Journal of Operational Research</i> , 2007, 183, 1136-1149.	5.7	45
28	An exact algorithm for the Traveling Salesman Problem with Deliveries and Collections. <i>Networks</i> , 2003, 42, 26-41.	2.7	44
29	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.	5.7	44
30	Branch-and-price-and-cut for the synchronized vehicle routing problem with split delivery, proportional service time and multiple time windows. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 140, 101955.	7.4	41
31	Algorithms for nesting with defects. <i>Discrete Applied Mathematics</i> , 2014, 163, 17-33.	0.9	38
32	A New Branch-and-Price-and-Cut Algorithm for One-Dimensional Bin-Packing Problems. <i>INFORMS Journal on Computing</i> , 2020, 32, 428-443.	1.7	38
33	A Benders decomposition-based framework for solving quay crane scheduling problems. <i>European Journal of Operational Research</i> , 2019, 273, 504-515.	5.7	34
34	Routing optimization with time windows under uncertainty. <i>Mathematical Programming</i> , 2019, 175, 263-305.	2.4	30
35	Heuristic algorithms for the multi-depot ring-star problem. <i>European Journal of Operational Research</i> , 2010, 203, 270-281.	5.7	28
36	Valid inequalities for the fleet size and mix vehicle routing problem with fixed costs. <i>Networks</i> , 2009, 54, 178-189.	2.7	25

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37	A Benders Decomposition Approach for the Multivehicle Production Routing Problem with Order-up-to-Level Policy. <i>Transportation Science</i> , 2021, 55, 160-178.	4.4	23
38	An exact algorithm for the unidirectional quay crane scheduling problem with vessel stability. <i>European Journal of Operational Research</i> , 2021, 291, 271-283.	5.7	21
39	Branch-price-and-cut for trucks and drones cooperative delivery. <i>IIE Transactions</i> , 2023, 55, 271-287.	2.4	14
40	The Vehicle Routing Problem with Transshipment Facilities. <i>Transportation Science</i> , 2017, 51, 592-606.	4.4	13
41	Pricing strategies for capacitated ring-star problems based on dynamic programming algorithms. <i>European Journal of Operational Research</i> , 2017, 262, 879-893.	5.7	10
42	A Heuristic Algorithm for solving a large-scale real-world territory design problem. <i>Omega</i> , 2021, 103, 102442.	5.9	8
43	Routing Optimization with Generalized Consistency Requirements. <i>Transportation Science</i> , 2022, 56, 223-244.	4.4	8
44	A Multi-Depot Period Vehicle Routing Problem Arising in the Utilities Sector. <i>Journal of the Operational Research Society</i> , 1998, 49, 1239.	3.4	5
45	Exact methods for large-scale multi-period financial planning problems. <i>Computational Management Science</i> , 2009, 6, 281-306.	1.3	4
46	Scheduling heterogeneous delivery tasks on a mixed logistics platform. <i>European Journal of Operational Research</i> , 2022, 298, 680-698.	5.7	4
47	Robustness of solutions to the capacitated facility location problem with uncertain demand. <i>Optimization Letters</i> , 2022, 16, 2711-2727.	1.6	3
48	Lower Bounds and an Exact Method for the Capacitated Vehicle Routing Problem. , 2006, , .		2
49	Optimal Solution of Vehicle Routing Problems with Fractional Objective Function. <i>Transportation Science</i> , 2020, 54, 434-452.	4.4	2
50	The bus sightseeing problem. <i>International Transactions in Operational Research</i> , 2023, 30, 4026-4060.	2.7	2
51	A Branch-and-Price Algorithm for the Ring-Tree Facility Location Problem. <i>Electronic Notes in Theoretical Computer Science</i> , 2019, 346, 3-14.	0.9	1
52	Capacitated ring arborescence problems with profits. <i>OR Spectrum</i> , 2019, 41, 357-389.	3.4	1
53	Preface: Emerging challenges in transportation planning. <i>Networks</i> , 2018, 72, 309-310.	2.7	0
54	Optimal Steiner trees under node and edge privacy conflicts. <i>Journal of Combinatorial Optimization</i> , 0, , 1.	1.3	0