Claudia Archetti

List of Publications by Year
in descending order

78 papers	4,151 citations	101384 36 h-index	118652 62 g-index
79 all docs	79 docs citations	79 times ranked	2073 citing authors

#	Article	IF	Citations
1	A Branch-and-Cut Algorithm for a Vendor-Managed Inventory-Routing Problem. Transportation Science, 2007, 41, 382-391.	2.6	329
2	The Vehicle Routing Problem with Occasional Drivers. European Journal of Operational Research, 2016, 254, 472-480.	3.5	236
3	A Tabu Search Algorithm for the Split Delivery Vehicle Routing Problem. Transportation Science, 2006, 40, 64-73.	2.6	219
4	Metaheuristics for the team orienteering problem. Journal of Heuristics, 2007, 13, 49-76.	1.1	178
5	A survey on matheuristics for routing problems. EURO Journal on Computational Optimization, 2014, 2, 223-246.	1.5	169
6	Vehicle routing problems with split deliveries. International Transactions in Operational Research, 2012, 19, 3-22.	1.8	155
7	A Hybrid Heuristic for an Inventory Routing Problem. INFORMS Journal on Computing, 2012, 24, 101-116.	1.0	147
8	Ants can solve the team orienteering problem. Computers and Industrial Engineering, 2008, 54, 648-665.	3.4	143
9	Worst-Case Analysis for Split Delivery Vehicle Routing Problems. Transportation Science, 2006, 40, 226-234.	2.6	135
10	The capacitated team orienteering and profitable tour problems. Journal of the Operational Research Society, 2009, 60, 831-842.	2.1	121
11	An Optimization-Based Heuristic for the Split Delivery Vehicle Routing Problem. Transportation Science, 2008, 42, 22-31.	2.6	114
12	Analysis of the maximum level policy in a production-distribution system. Computers and Operations Research, 2011, 38, 1731-1746.	2.4	111
13	A Two-Phase Iterative Heuristic Approach for the Production Routing Problem. Transportation Science, 2015, 49, 784-795.	2.6	100
14	To split or not to split: That is the question. Transportation Research, Part E: Logistics and Transportation Review, 2008, 44, 114-123.	3.7	97
15	Chapter 10: Vehicle Routing Problems with Profits. , 2014, , 273-297.		76
16	Multi-period Vehicle Routing Problem with Due dates. Computers and Operations Research, 2015, 61, 122-134.	2.4	73
17	Enhanced Branch and Price and Cut for Vehicle Routing with Split Deliveries and Time Windows. Transportation Science, 2011, 45, 285-298.	2.6	71
18	Formulations for an inventory routing problem. International Transactions in Operational Research, 2014, 21, 353-374.	1.8	66

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19	A column generation approach for the split delivery vehicle routing problem. Networks, 2011, 58, 241-254.	1.6	64
20	Reoptimizing the traveling salesman problem. Networks, 2003, 42, 154-159.	1.6	63
21	A Matheuristic for the Multivehicle Inventory Routing Problem. INFORMS Journal on Computing, 2017, 29, 377-387.	1.0	58
22	The Split Delivery Vehicle Routing Problem: A Survey. Operations Research/ Computer Science Interfaces Series, 2008, , 103-122.	0.3	56
23	The Trip Scheduling Problem. Transportation Science, 2009, 43, 417-431.	2.6	55
24	Complexity of routing problems with release dates. European Journal of Operational Research, 2015, 247, 797-803.	3.5	52
25	The inventory routing problem: the value of integration. International Transactions in Operational Research, 2016, 23, 393-407.	1.8	51
26	The Vehicle Routing Problem with Divisible Deliveries and Pickups. Transportation Science, 2015, 49, 271-294.	2.6	50
27	Truck driver scheduling in Australia. Computers and Operations Research, 2012, 39, 1122-1132.	2.4	49
28	The Flexible Periodic Vehicle Routing Problem. Computers and Operations Research, 2017, 85, 58-70.	2.4	49
29	Trade-offs between environmental and economic performance in production and inventory-routing problems. International Journal of Production Economics, 2019, 217, 269-280.	5.1	48
30	The online vehicle routing problem with occasional drivers. Computers and Operations Research, 2021, 127, 105144.	2.4	48
31	The undirected capacitated arc routing problem with profits. Computers and Operations Research, 2010, 37, 1860-1869.	2.4	46
32	Optimization in multimodal freight transportation problems: A Survey. European Journal of Operational Research, 2022, 299, 1-20.	3.5	45
33	Recent challenges in Routing and Inventory Routing: Eâ€commerce and lastâ€mile delivery. Networks, 2021, 77, 255-268.	1.6	44
34	The Team Orienteering Arc Routing Problem. Transportation Science, 2014, 48, 442-457.	2.6	42
35	Flexible two-echelon location routing problem. European Journal of Operational Research, 2019, 277, 1124-1136.	3.5	42
36	A branch-price-and-cut algorithm for the commodity constrained split delivery vehicle routing problem. Computers and Operations Research, 2015, 64, 1-10.	2.4	41

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37	The Set Orienteering Problem. European Journal of Operational Research, 2018, 267, 264-272.	3.5	37
38	Vehicle routing in the 1-skip collection problem. Journal of the Operational Research Society, 2004, 55, 717-727.	2.1	36
39	The Clustered Orienteering Problem. European Journal of Operational Research, 2014, 238, 404-414.	3.5	33
40	Inventory routing with pickups and deliveries. European Journal of Operational Research, 2018, 268, 314-324.	3.5	33
41	The probabilistic orienteering problem. Computers and Operations Research, 2017, 81, 269-281.	2.4	31
42	An iterated local search for the Traveling Salesman Problem with release dates and completion time minimization. Computers and Operations Research, 2018, 98, 24-37.	2.4	30
43	Reoptimizing the 0â€“1 knapsack problem. Discrete Applied Mathematics, 2010, 158, 1879-1887.	0.5	27
44	Clinical Laboratory Automation: A Case Study. Journal of Public Health Research, 2017, 6, jphr.2017.881.	0.5	26
45	A matheuristic for the Team Orienteering Arc Routing Problem. European Journal of Operational Research, 2015, 245, 392-401.	3.5	25
46	Dynamic traveling salesman problem with stochastic release dates. European Journal of Operational Research, 2020, 280, 832-844.	3.5	25
47	Multicommodity vs. Single-Commodity Routing. Transportation Science, 2016, 50, 461-472.	2.6	24
48	Comparing sequential and integrated approaches for the production routing problem. European Journal of Operational Research, 2018, 269, 633-646.	3.5	23
49	A simulation study of an onâ€demand transportation system. International Transactions in Operational Research, 2018, 25, 1137-1161.	1.8	23
50	A branch-and-cut algorithm for the Orienteering Arc Routing Problem. Computers and Operations Research, 2016, 66, 95-104.	2.4	22
51	A heuristic algorithm for the free newspaper delivery problem. European Journal of Operational Research, 2013, 230, 245-257.	3.5	21
52	The Undirected Capacitated General Routing Problem with Profits. European Journal of Operational Research, 2017, 257, 822-833.	3.5	20
53	Exact solution methods for the multi-period vehicle routing problem with due dates. Computers and Operations Research, 2019, 110, 148-158.	2.4	20
54	The split delivery capacitated team orienteering problem. Networks, 2014, 63, 16-33.	1.6	19

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55	Minimizing the logistic ratio in the inventory routing problem. EURO Journal on Transportation and Logistics, 2017, 6, 289-306.	1.3	18
56	A kernel search heuristic for the multivehicle inventory routing problem. International Transactions in Operational Research, 2021, 28, 2984-3013.	1.8	18
57	The capacitated team orienteering problem with incomplete service. Optimization Letters, 2013, 7, 1405-1417.	0.9	17
58	A branch-and-cut algorithm for the inventory routing problem with pickups and deliveries. European Journal of Operational Research, 2020, 282, 886-895.	3.5	16
59	A two-phase solution algorithm for the Flexible Periodic Vehicle Routing Problem. Computers and Operations Research, 2018, 99, 27-37.	2.4	14
60	Comparison of formulations for the Inventory Routing Problem. European Journal of Operational Research, 2022, 303, 997-1008.	3.5	13
61	An exact algorithm for the inventory routing problem with logistic ratio. Transportation Research, Part E: Logistics and Transportation Review, 2019, 131, 96-107.	3.7	12
62	An Overview on the Split Delivery Vehicle Routing Problem. , 2007, , 123-127.		10
63	A genetic algorithm for the close-enough traveling salesman problem with application to solar panels diagnostic reconnaissance. Computers and Operations Research, 2022, 145, 105831.	2.4	10
64	Incomplete service and split deliveries in a routing problem with profits. Networks, 2014, 63, 135-145.	1.6	9
65	Reoptimizing the rural postman problem. Computers and Operations Research, 2013, 40, 1306-1313.	2.4	8
66	A branch-and-price algorithm for the robust graph coloring problem. Discrete Applied Mathematics, 2014, 165, 49-59.	0.5	8
67	The directed profitable location Rural Postman Problem. European Journal of Operational Research, 2014, 236, 811-819.	3.5	8
68	Social networks and health status in the elderly: the â€˜ANZIANI IN-RETEâ€™ population-based study. Aging Clinical and Experimental Research, 2017, 29, 1173-1179.	1.4	8
69	The Fixed-Partition Policy Inventory Routing Problem. Transportation Science, 2021, 55, 353-370.	2.6	8
70	A dynamic and probabilistic orienteering problem. Computers and Operations Research, 2021, 136, 105454.	2.4	8
71	Chapter 12: Arc Routing Problems with Profits. , 2015, , 281-299.		7
72	A matheuristic for the air transportation freight forwarder service problem. Computers and Operations Research, 2020, 123, 105002.	2.4	7

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73	A sequential approach for a multi-commodity two-echelon distribution problem. Computers and Industrial Engineering, 2022, 163, 107793.	3.4	7
74	Inventory routing in a warehouse: The storage replenishment routing problem. European Journal of Operational Research, 2022, 301, 1117-1132.	3.5	7
75	Pickup and delivery problems with autonomous vehicles on rings. European Journal of Operational Research, 2021, , .	3.5	6
76	The Heterogeneous Flexible Periodic Vehicle Routing Problem: Mathematical formulations and solution algorithms. Computers and Operations Research, 2022, 141, 105662.	2.4	6
77	The Bi-objective Long-haul Transportation Problem on a Road Network. Omega, 2022, 106, 102522.	3.6	4
78	Preface: Special issue on the future of route optimization/vehicle routing. Networks, 2019, 73, 379-381.	1.6	1