

Capacitated arc routing problems

Networks

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Computational experiments with algorithms for a class of routing problems. Computers and Operations Research, 1983, 10, 47-59.	4.0	239
2	Routing and scheduling of vehicles and crews. Computers and Operations Research, 1983, 10, 63-211.	4.0	741
3	A parallel insert method for the capacitated arc routing problem. Operations Research Letters, 1984, 3, 95-99.	0.7	40
4	The fleet size and mix problem for capacitated arc routing. European Journal of Operational Research, 1985, 22, 329-337.	5.7	164
5	Future directions in logistics research. Transportation Research Part A: Policy and Practice, 1985, 19, 405-409.	0.2	12
7	The Capacitated Chinese Postman Problem: Lower Bounds and Solvable Cases. American Journal of Mathematical and Management Sciences, 1987, 7, 63-88.	0.9	27
8	Postman tour on a graph with precedence relation on arcs. Networks, 1987, 17, 283-294.	2.7	54
9	Transforming arc routing into node routing problems. Computers and Operations Research, 1987, 14, 285-288.	4.0	89
10	New lower bounds for the Capacitated Arc Routing Problem. Networks, 1988, 18, 181-191.	2.7	29
11	The Capacitated Canadian Postman Problem. Infor, 1989, 27, 58-73.	0.6	23
12	Approximate solutions for the capacitated arc routing problem. Computers and Operations Research, 1989, 16, 589-600.	4.0	73
13	Routeing Road Sweepers in a Rural Area. Journal of the Operational Research Society, 1991, 42, 281-288.	3.4	29
14	The arc partitioning problem. European Journal of Operational Research, 1991, 53, 393-401.	5.7	33
15	Augment-insert algorithms for the capacitated arc routing problem. Computers and Operations Research, 1991, 18, 189-198.	4.0	67
16	Capacitated Vehicle Routing on Trees. Operations Research, 1991, 39, 616-622.	1.9	95
17	Subtour Elimination Algorithm for the Capacitated Arc Routing Problem. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 1992, , 334-341.	0.1	2
18	NODE DUPLICATION LOWER BOUNDS FOR THE CAPACITATED ARC ROUTING PROBLEM. Journal of the Operations Research Society of Japan, 1992, 35, 119-133.	0.2	16
19	Efficient Routeing for Winter Gritting. Journal of the Operational Research Society, 1992, 43, 1031-1034.	3.4	46

#	ARTICLE	IF	CITATIONS
20	The Capacitated Arc Routing Problem: Lower bounds. Networks, 1992, 22, 669-690.	2.7	135
21	Bounds for the general capacitated routing problem. Networks, 1993, 23, 165-173.	2.7	19
22	Routeing winter gritting vehicles. Discrete Applied Mathematics, 1994, 48, 231-244.	0.9	131
23	Routing problems: A bibliography. Annals of Operations Research, 1995, 61, 227-262.	4.1	238
24	Arc Routing Problems, Part II: The Rural Postman Problem. Operations Research, 1995, 43, 399-414.	1.9	303
25	Operations management for urban snow removal and disposal. Transportation Research, Part A: Policy and Practice, 1995, 29, 359-370.	4.2	10
26	Chapter 5 Arc routing methods and applications. Handbooks in Operations Research and Management Science, 1995, 8, 375-483.	0.6	63
27	An Interactive Algorithm for Vehicle Routeing for Winter " Gritting. Journal of the Operational Research Society, 1996, 47, 217-228.	3.4	72
28	Garbage Collection in Chicago: A Dynamic Scheduling Model. Management Science, 1997, 43, 922-933.	4.1	40
29	Designing Network Partitions to Improve Maintenance Routing. Journal of Infrastructure Systems, 1997, 3, 160-168.	1.8	14
30	Split-delivery routeing heuristics in livestock feed distribution. Journal of the Operational Research Society, 1997, 48, 107-116.	3.4	67
31	Modeling and solving several classes of arc routing problems as traveling salesman problems. Computers and Operations Research, 1997, 24, 1057-1061.	4.0	67
32	The Capacitated Arc Routing Problem: Valid Inequalities and Facets. Computational Optimization and Applications, 1998, 10, 165-187.	1.6	78
33	Lower-bounding and heuristic methods for a refuse collection vehicle routing problem. European Journal of Operational Research, 2000, 121, 420-434.	5.7	65
34	Multiple center capacitated arc routing problems: A tabu search algorithm using capacitated trees. European Journal of Operational Research, 2000, 124, 360-376.	5.7	76
35	Heuristic Algorithms. , 2000, , 327-386.		9
36	A Historical Perspective on Arc Routing. , 2000, , 1-16.		2
37	Roadway Snow and Ice Control. , 2000, , 389-418.		20

#	ARTICLE	IF	CITATIONS
38	Livestock Feed Distribution and Arc Traversal Problems. , 2000, , 443-464.		3
39	Arc Routing: Complexity and Approximability. , 2000, , 133-169.		5
40	Transformations and Exact Node Routing Solutions by Column Generation. , 2000, , 277-326.		2
41	A Tabu Search Heuristic for the Capacitated arc Routing Problem. Operations Research, 2000, 48, 129-135.	1.9	229
42	Linear Programming Based Methods for Solving Arc Routing Problems. , 2000, , 231-275.		13
43	A Genetic Algorithm for the Capacitated Arc Routing Problem and Its Extensions. Lecture Notes in Computer Science, 2001, , 473-483.	1.3	85
44	Decision Support System for Snow Emergency Vehicle Routing: Algorithms and Application. Transportation Research Record, 2001, 1771, 172-178.	1.9	15
45	The capacitated arc routing problem with intermediate facilities. Networks, 2001, 37, 134-143.	2.7	69
46	A Variable Neighborhood Descent Algorithm for the Undirected Capacitated Arc Routing Problem. Transportation Science, 2001, 35, 425-434.	4.4	96
47	Snow Emergency Vehicle Routing with Route Continuity Constraints. Transportation Research Record, 2002, 1783, 119-124.	1.9	7
48	The Arc Routing and Scheduling Problem with Transshipment. Transportation Science, 2002, 36, 301-313.	4.4	30
49	GENERAL ARC ROUTING PROBLEMS SOLVED BY A CUTTING PLANE ALGORITHM AND A GENETIC ALGORITHM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 493-498.	0.4	2
50	New Heuristics and Lower Bounds for the Min-Max k-Chinese Postman Problem. Lecture Notes in Computer Science, 2002, , 64-74.	1.3	20
51	A hierarchical relaxations lower bound for the capacitated arc routing problem. , 0, , .		15
52	On the Maximum Benefit Chinese Postman Problem. Omega, 2003, 31, 269-273.	5.9	18
53	A cutting plane algorithm for the capacitated arc routing problem. Computers and Operations Research, 2003, 30, 705-728.	4.0	131
54	A Tabu Scatter Search Metaheuristic for the Arc Routing Problem. Computers and Industrial Engineering, 2003, 44, 249-266.	6.3	80
55	A guided local search heuristic for the capacitated arc routing problem. European Journal of Operational Research, 2003, 147, 629-643.	5.7	158

#	ARTICLE	IF	CITATIONS
56	Multiobjective Capacitated Arc Routing Problem. Lecture Notes in Computer Science, 2003, , 550-564.	1.3	17
57	District design for arc-routing applications. Journal of the Operational Research Society, 2003, 54, 1209-1221.	3.4	42
58	Minimal Arc Partitioning Problem: Formulation and Application in Snow Routing with Service Route Continuity. Transportation Research Record, 2004, 1882, 167-175.	1.9	4
59	Competitive Memetic Algorithms for Arc Routing Problems. Annals of Operations Research, 2004, 131, 159-185.	4.1	218
60	Tabu Search Heuristics for the Arc Routing Problem with Intermediate Facilities under Capacity and Length Restrictions. Mathematical Modelling and Algorithms, 2004, 3, 209-223.	0.5	39
61	The Periodic Capacitated Arc Routing Problem linear programming model, metaheuristic and lower bounds. Journal of Systems Science and Systems Engineering, 2004, 13, 423-435.	1.6	19
62	The investigation of a class of capacitated arc routing problems: the collection of garbage in developing countries. Waste Management, 2004, 24, 711-721.	7.4	115
63	Evolutionary Algorithms for Stochastic Arc Routing Problems. Lecture Notes in Computer Science, 2004, , 501-512.	1.3	41
64	Dynamic Salting Route Optimisation using Evolutionary Computation. , 0, , .		22
65	Heuristic method for a mixed capacitated arc routing problem: A refuse collection application. European Journal of Operational Research, 2005, 160, 139-153.	5.7	49
66	Waste collection in Southern Italy: solution of a real-life arc routing problem. International Transactions in Operational Research, 2005, 12, 135-144.	2.7	40
67	Evolutionary algorithms for periodic arc routing problems. European Journal of Operational Research, 2005, 165, 535-553.	5.7	107
68	Heuristics for the periodic capacitated arc routing problem. Journal of Intelligent Manufacturing, 2005, 16, 243-251.	7.3	36
70	Recent Trends in Arc Routing. , 2005, , 215-236.		11
71	Approximate solutions for the maximum benefit chinese postman problem. International Journal of Systems Science, 2005, 36, 815-822.	5.5	18
72	A Memetic Algorithm Solving the VRP, the CARP and General Routing Problems with Nodes, Edges and Arcs. , 2005, , 65-85.		28
73	Single Closest Task Assignment: a Heuristic Method for the Sectoring-Arc Routing Problem. , 2006, , .		0
74	A LOCATION-DISTRICTING HEURISTIC FOR ARC ROUTING PROBLEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 309-314.	0.4	0

#	ARTICLE	IF	CITATIONS
75	EVOLUTIONARY ALGORITHMS FOR CAPACITATED ARC ROUTING PROBLEMS WITH TIME WINDOWS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 321-326.	0.4	1
76	A variable neighborhood descent algorithm for a real waste collection problem with mobile depots. International Transactions in Operational Research, 2006, 13, 125-141.	2.7	68
77	Solving capacitated arc routing problems using a transformation to the CVRP. Computers and Operations Research, 2006, 33, 1823-1837.	4.0	133
78	New lower bound for the Capacitated Arc Routing Problem. Computers and Operations Research, 2006, 33, 3458-3472.	4.0	25
79	A genetic algorithm for a bi-objective capacitated arc routing problem. Computers and Operations Research, 2006, 33, 3473-3493.	4.0	113
80	Lower and upper bounds for the mixed capacitated arc routing problem. Computers and Operations Research, 2006, 33, 3363-3383.	4.0	88
81	Road network monitoring: algorithms and a case study. Computers and Operations Research, 2006, 33, 3494-3507.	4.0	27
82	A Scatter Search for the periodic capacitated arc routing problem. European Journal of Operational Research, 2006, 169, 586-605.	5.7	92
83	Robust Solution of Salting Route Optimisation Using Evolutionary Algorithms. , 0, , .		20
84	A Hybrid Genetic Algorithm for the Multiple Depot Capacitated Arc Routing Problem. , 2007, , .		6
85	Robust Salting Route Optimization Using Evolutionary Algorithms. Studies in Computational Intelligence, 2007, , 497-517.	0.9	15
86	A Genetic Algorithm for the Capacitated Arc Routing Problem. , 2007, , .		1
87	Arc routing problems with time-dependent service costs. European Journal of Operational Research, 2007, 181, 30-39.	5.7	88
88	The capacitated arc routing problem with refill points. Operations Research Letters, 2007, 35, 45-53.	0.7	46
89	Combinatorial optimization and Green Logistics. 4or, 2007, 5, 99-116.	1.6	162
90	A survey of models and algorithms for winter road maintenance. Part III: Vehicle routing and depot location for spreading. Computers and Operations Research, 2007, 34, 211-257.	4.0	73
91	A variable neighborhood search for the capacitated arc routing problem with intermediate facilities. Journal of Heuristics, 2008, 14, 405-423.	1.4	97
92	A deterministic tabu search algorithm for the capacitated arc routing problem. Computers and Operations Research, 2008, 35, 1112-1126.	4.0	135

#	ARTICLE	IF	CITATIONS
93	Solving an urban waste collection problem using ants heuristics. Computers and Operations Research, 2008, 35, 3020-3033.	4.0	97
95	A Decade of Capacitated Arc Routing. Operations Research/ Computer Science Interfaces Series, 2008, , 29-48.	0.3	44
96	Implementing a multi-vehicle multi-route spatial decision support system for efficient trash collection in Portugal. Transportation Research, Part A: Policy and Practice, 2008, 42, 922-934.	4.2	19
97	An agent framework with an efficient information exchange model for distributed Genetic Algorithms. , 2008, , .		1
98	An improved genetic algorithm for the extended Capacitated Arc Routing Problem. , 2008, , .		1
99	Combined Location-Arc Routing Problems: A survey and suggestions for future research. , 2008, , .		2
100	IntegraÃ§Ã£o de sistemas computacionais e modelos logÃsticos de otimizaÃ§Ã£o para prevenÃ§Ã£o e combate Ã dengue. Pesquisa Operacional, 2008, 28, 1-27.	0.4	2
101	Application of Simulated Annealing to Routing Problems in City Logistics. , 2008, , .		9
102	A two ant colony approaches for the multi-depot capacitated arc routing problem. , 2009, , .		12
103	Improved memetic algorithm for Capacitated Arc Routing Problem. , 2009, , .		20
104	Modeling the Pre Auction Stage The Truckload Case. Lecture Notes in Economics and Mathematical Systems, 2009, , 219-233.	0.3	6
105	A weight-coded genetic algorithm for the capacitated arc routing problem. , 2009, , .		2
106	Memetic Algorithm With Extended Neighborhood Search for Capacitated Arc Routing Problems. IEEE Transactions on Evolutionary Computation, 2009, 13, 1151-1166.	10.0	176
107	Minâ€Max <i>K</i>-vehicles windy rural postman problem. Networks, 2009, 54, 216-226.	2.7	28
108	Recent results on Arc Routing Problems: An annotated bibliography. Networks, 2010, 56, 50-69.	2.7	23
109	An improved heuristic for the capacitated arc routing problem. Computers and Operations Research, 2009, 36, 2632-2637.	4.0	35
110	Heuristic methods for the sectoring arc routing problem. European Journal of Operational Research, 2009, 196, 856-868.	5.7	56
111	A Branch-and-Price Algorithm for the Capacitated Arc Routing Problem with Stochastic Demands. Operations Research Letters, 2009, 37, 392-398.	0.7	35

#	ARTICLE	IF	CITATIONS
112	Exploiting sparsity in pricing routines for the capacitated arc routing problem. Computers and Operations Research, 2009, 36, 2320-2327.	4.0	43
113	Tour splitting algorithms for vehicle routing problems. International Journal of Production Research, 2009, 47, 507-535.	7.5	61
114	A Global Repair Operator for Capacitated Arc Routing Problem. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 723-734.	5.0	50
115	Metaheuristics for the waste collection vehicle routing problem with time windows, driver rest period and multiple disposal facilities. Computers and Operations Research, 2010, 37, 2270-2280.	4.0	136
116	Combinatorial optimization and Green Logistics. Annals of Operations Research, 2010, 175, 159-175.	4.1	171
117	Ant colony optimization for the arc routing problem with intermediate facilities under capacity and length restrictions. Journal of Heuristics, 2010, 16, 211-233.	1.4	27
118	An Evolutionary Approach to the Multidepot Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2010, 14, 356-374.	10.0	49
119	Energy constrained multi-robot sensor-based coverage path planning using capacitated arc routing approach. Robotics and Autonomous Systems, 2010, 58, 529-538.	5.1	37
120	Lower bounds for the mixed capacitated arc routing problem. Computers and Operations Research, 2010, 37, 692-699.	4.0	38
121	Two-phase heuristic algorithms for full truckloads multi-depot capacitated vehicle routing problem in carrier collaboration. Computers and Operations Research, 2010, 37, 950-959.	4.0	74
122	A guided local search procedure for the multi-compartment capacitated arc routing problem. Computers and Operations Research, 2010, 37, 1662-1673.	4.0	22
123	Industrial aspects and literature survey: Fleet composition and routing. Computers and Operations Research, 2010, 37, 2041-2061.	4.0	263
124	A Branch-and-Price Algorithm for Capacitated Arc Routing Problem with Flexible Time Windows. Electronic Notes in Discrete Mathematics, 2010, 36, 319-326.	0.4	10
125	Split-Delivery Capacitated Arc-Routing Problem: Lower Bound and Metaheuristic. Transportation Science, 2010, 44, 206-220.	4.4	32
126	Memetic algorithm with heuristic candidate list strategy for Capacitated Arc Routing Problem. , 2010, , .		8
127	The open Capacitated Arc Routing Problem: Complexity and algorithms. , 2010, , .		0
128	Towards probabilistic memetic algorithm: An initial study on capacitated arc routing problem. , 2010, , .		16
129	An integrated model to solve the winter asset and road maintenance problem. IIE Transactions, 2010, 42, 675-689.	2.1	4

#	ARTICLE	IF	CITATIONS
130	A heuristic method for the capacitated arc routing problem with refill points and multiple loads. Journal of the Operational Research Society, 2010, 61, 1095-1103.	3.4	11
131	An Approximate $\hat{\mu}$ -Constraint Method for the Multi-objective Undirected Capacitated Arc Routing Problem. Lecture Notes in Computer Science, 2010, , 214-225.	1.3	9
132	An improved ant colony optimization based algorithm for the capacitated arc routing problem. Transportation Research Part B: Methodological, 2010, 44, 246-266.	5.9	85
133	An Adaptive Large Neighbourhood Search Heuristic for the Capacitated Arc-Routing Problem with Stochastic Demands. Transportation Science, 2010, 44, 125-135.	4.4	103
134	A variable neighborhood descent heuristic for arc routing problems with time-dependent service costs. Computers and Industrial Engineering, 2010, 59, 954-963.	6.3	44
137	A Hybrid Ant Colony Optimization Algorithm for the Extended Capacitated Arc Routing Problem. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1110-1123.	5.0	56
138	Districting and Customer Clustering Within Supply Chain Planning: A Review of Modeling and Solution Approaches. , 2011, , .		0
139	Implementation Weather-Type Models of Capacitated Arc Routing Problem via Heuristics. American Journal of Applied Sciences, 2011, 8, 382-392.	0.2	6
140	DIALING: heuristic to solve integrated resource allocation and routing problem with upper bound. International Journal of Value Chain Management, 2011, 5, 281.	0.2	0
141	A Memetic Algorithm for Periodic Capacitated Arc Routing Problem. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1654-1667.	5.0	58
142	Decomposition-Based Memetic Algorithm for Multiobjective Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2011, 15, 151-165.	10.0	264
143	A web spatial decision support system for vehicle routing using Google Maps. Decision Support Systems, 2011, 51, 1-9.	5.9	99
144	BRKGA Algorithm for the Capacitated Arc Routing Problem. Electronic Notes in Theoretical Computer Science, 2011, 281, 69-83.	0.9	13
145	The open capacitated arc routing problem. Computers and Operations Research, 2011, 38, 1543-1555.	4.0	28
146	On residue removal in digital microfluidic biochips. , 2011, , .		14
148	Ant colony optimization for railway driver crew scheduling: from modeling to implementation. Journal of the Chinese Institute of Industrial Engineers, 2011, 28, 437-449.	0.5	7
149	A developmental solution to (dynamic) capacitated arc routing problems using genetic programming. , 2012, , .		26
150	Sim-RandSHARP: A hybrid algorithm for solving the Arc Routing Problem with Stochastic Demands. , 2012, , .		13

#	ARTICLE	IF	CITATIONS
151	An evolutionary search paradigm that learns with past experiences. , 2012, , .		27
152	Cut-First Branch-and-Price-Second for the Capacitated Arc-Routing Problem. Operations Research, 2012, 60, 1167-1182.	1.9	50
153	UNDIRECTED CAPACITATED ARC ROUTING PROBLEM IN DEBRIS COLLECTION OPERATION AFTER DISASTERS. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and Management), 2012, 68, 1_805-1_813.	0.1	1
154	Applying minâ€“max<i>k</i>postmen problems to the routing of security guards. Journal of the Operational Research Society, 2012, 63, 245-260.	3.4	24
155	Development and assessment of the SHARP and RandSHARP algorithms for the arc routing problem. AI Communications, 2012, 25, 173-189.	1.2	20
156	A Memetic Algorithm with Random Key Crossover and Modified Neighborhood Search for the Solution of Capacitated Arc Routing Problems. , 2012, , .		0
157	The oil tankers dispatching problem. Opsearch, 2012, 49, 366-385.	1.8	3
158	Ant Colony Algorithm for Waste Collection Vehicle Arc Routing Problem with Turn Constraints. , 2012, , .		8
159	Vehicle Routing Nowadays: Compact Review and Emerging Problems. , 2012, , 141-166.		12
160	A novel heuristic method to solve the capacitated arc routing problem. International Journal of Industrial Engineering Computations, 2012, 3, 767-776.	0.7	3
161	Capacitated arc routing problem with deadheading demands. Computers and Operations Research, 2012, 39, 2380-2394.	4.0	10
162	An optimization-based heuristic for the Multi-objective Undirected Capacitated Arc Routing Problem. Computers and Operations Research, 2012, 39, 2300-2309.	4.0	27
163	Multi-treatment capacitated arc routing of construction machinery in Taiwan's smooth road project. Automation in Construction, 2012, 21, 210-218.	9.8	10
164	A Multiâ€“Objective, Multiâ€“Criteria Approach to Improve Situational Awareness in Emergency Evacuation Routing Using Mobile Phone Data. Transactions in GIS, 2012, 16, 375-396.	2.3	23
165	Evolutionary Computation for Dynamic Optimization Problems. Studies in Computational Intelligence, 2013, , .	0.9	41
166	Applications of the vehicle routing problem with trailers and transshipments. European Journal of Operational Research, 2013, 227, 275-283.	5.7	84
167	The synchronized arc and node routing problem: Application to road marking. Computers and Operations Research, 2013, 40, 1708-1715.	4.0	37
168	Improved bounds for large scale capacitated arc routing problem. Computers and Operations Research, 2013, 40, 2145-2160.	4.0	34

#	ARTICLE	IF	CITATIONS
169	A memetic algorithm for uncertain Capacitated Arc Routing Problems. , 2013, , .		28
170	Decomposing Large-Scale Capacitated Arc Routing Problems using a random route grouping method. , 2013, , .		14
171	Improved lower bounds and exact algorithm for the capacitated arc routing problem. Mathematical Programming, 2013, 137, 409-452.	2.4	39
172	Approximation Algorithms for Capacitated Location Routing. Transportation Science, 2013, 47, 3-22.	4.4	29
173	A memetic algorithm for the travelling salesperson problem with hotel selection. Computers and Operations Research, 2013, 40, 1716-1728.	4.0	34
174	A lower bound for the Node, Edge, and Arc Routing Problem. Computers and Operations Research, 2013, 40, 943-952.	4.0	17
175	The periodic capacitated arc routing problem with irregular services. Discrete Applied Mathematics, 2013, 161, 691-701.	0.9	25
176	An Exact Algorithm for the Capacitated Arc Routing Problem with Deadheading Demand. Operations Research, 2013, 61, 315-327.	1.9	16
177	GRASP with evolutionary path-relinking for the capacitated arc routing problem. Computers and Operations Research, 2013, 40, 3206-3217.	4.0	40
178	Lower and upper bounds for location-arc routing problems with vehicle capacity constraints. European Journal of Operational Research, 2013, 224, 189-208.	5.7	52
179	Collaborative Logistics from the Perspective of Road Transportation Companies. Transport Reviews, 2013, 33, 700-719.	8.8	106
180	A memetic algorithm with iterated local search for the capacitated arc routing problem. International Journal of Production Research, 2013, 51, 3075-3084.	7.5	15
181	Class of resource allocation problems in supply chain - a review. International Journal of Business Innovation and Research, 2013, 7, 113.	0.2	5
182	An Improved MULTI-ACS Algorithm for the Waste Collection Vehicle Arc Routing Problem with Turn Constraints. , 2014, , .		1
183	Snow disposal operations optimization in winter highway maintenance. , 2014, , .		0
184	Using Ant Colony Optimization to solve Periodic Arc Routing Problem with Refill Points. Journal of Industrial and Production Engineering, 2014, 31, 441-451.	3.1	11
185	Police patrol routing on network voronoi diagram. , 2014, , .		3
186	Genetic Algorithm for the Capacitated Chinese Postman Problem on Mixed Networks. Applied Mechanics and Materials, 2014, 701-702, 44-49.	0.2	3

#	ARTICLE	IF	CITATIONS
187	On the use of biased randomization and simheuristics to solve Vehicle and Arc Routing Problems. , 2014, , .		3
188	A genetic local search algorithm for the multi-depot heterogeneous fleet capacitated arc routing problem. Flexible Services and Manufacturing Journal, 2014, 26, 540-564.	3.4	13
189	The Waste Collection Vehicle Arc Routing Problem with Turn Constraints. Advanced Materials Research, 2014, 1010-1012, 1000-1005.	0.3	0
190	Adaptive large neighborhood search for the periodic capacitated arc routing problem with inventory constraints. Networks, 2014, 64, 125-139.	2.7	13
191	Crossover Iterated Local Search for SDCARP. Journal of the Operations Research Society of China, 2014, 2, 351-367.	1.4	1
192	Approximation algorithms for solving the constrained arc routing problem in mixed graphs. European Journal of Operational Research, 2014, 239, 80-88.	5.7	5
193	Optimizing road network daily maintenance operations with stochastic service and travel times. Transportation Research, Part E: Logistics and Transportation Review, 2014, 64, 88-102.	7.4	37
194	The double layer optimization problem to express logistics systems and its heuristic algorithm. Expert Systems With Applications, 2014, 41, 237-245.	7.6	2
195	Location-arc routing problem: Heuristic approaches and test instances. Computers and Operations Research, 2014, 43, 309-317.	4.0	32
196	The downhill plow problem with multiple plows. Journal of the Operational Research Society, 2014, 65, 1465-1474.	3.4	10
197	Optimization of snow plowing cost and time in an urban environment: A case study for the City of Edmonton. Canadian Journal of Civil Engineering, 2014, 41, 667-675.	1.3	24
198	Evolutionary Computation in Combinatorial Optimisation. Lecture Notes in Computer Science, 2014, , .	1.3	1
199	The Aircraft Maintenance Base Location Problem. European Journal of Operational Research, 2014, 236, 634-642.	5.7	16
200	An Improved Decomposition-Based Memetic Algorithm for Multi-Objective Capacitated Arc Routing Problem. Applied Soft Computing Journal, 2014, 19, 343-361.	7.2	31
201	A multi-population cooperative coevolutionary algorithm for multi-objective capacitated arc routing problem. Information Sciences, 2014, 277, 609-642.	6.9	65
202	Application specific instance generator and a memetic algorithm for capacitated arc routing problems. Transportation Research Part C: Emerging Technologies, 2014, 43, 249-266.	7.6	7
203	Constant-factor approximations for Capacitated Arc Routing without triangle inequality. Operations Research Letters, 2014, 42, 290-292.	0.7	14
204	A Dynamic Path Planning Approach for Multirobot Sensor-Based Coverage Considering Energy Constraints. IEEE Transactions on Cybernetics, 2014, 44, 305-314.	9.5	94

#	ARTICLE	IF	CITATIONS
205	In-Depth Analysis of Pricing Problem Relaxations for the Capacitated Arc-Routing Problem. <i>Transportation Science</i> , 2015, 49, 369-383.	4.4	15
206	Capacitated arc routing problem and its extensions in waste collection. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	3
207	General heuristics algorithms for solving capacitated arc routing problem. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	2
208	A railroad maintenance problem solved with a cut and column generation matheuristic. <i>Networks</i> , 2015, 66, 40-56.	2.7	14
209	Waste collection routing—limited multiple landfills and heterogeneous fleet. <i>Networks</i> , 2015, 65, 155-165.	2.7	20
210	Response and recovery after severe wind storms using hierarchical open vehicle routing. <i>International Journal of Emergency Management</i> , 2015, 11, 20.	0.0	1
211	An approach to the asymmetric multi-depot capacitated arc routing problem. <i>European Journal of Operational Research</i> , 2015, 244, 100-109.	5.7	18
212	Chapter 16: Arc Routing Applications in Newspaper Delivery. , 2015, , 371-395.		2
213	Chapter 1: A Historical Perspective on Arc Routing. , 2015, , 1-15.		0
214	Chapter 10: Variants of the Capacitated Arc Routing Problem. , 2015, , 223-253.		2
215	Chapter 8: The Capacitated Arc Routing Problem: Combinatorial Lower Bounds. , 2015, , 159-181.		2
216	Chapter 9: The Capacitated Arc Routing Problem: Exact Algorithms. , 2015, , 183-221.		6
217	Chapter 7: The Capacitated Arc Routing Problem: Heuristics. , 2015, , 131-157.		4
218	Chapter 2: The Complexity of Arc Routing Problems. , 2015, , 19-52.		12
219	Memetic Search With Interdomain Learning: A Realization Between CVRP and CARP. <i>IEEE Transactions on Evolutionary Computation</i> , 2015, 19, 644-658.	10.0	171
220	The mixed capacitated arc routing problem with non-overlapping routes. <i>European Journal of Operational Research</i> , 2015, 244, 445-456.	5.7	29
221	A compact transformation of arc routing problems into node routing problems. <i>Annals of Operations Research</i> , 2015, 226, 177-200.	4.1	15
222	Sectors and Routes in Solid Waste Collection. <i>CIM Series in Mathematical Sciences</i> , 2015, , 353-375.	0.4	13

#	ARTICLE	IF	CITATIONS
223	Memos as building blocks: a case study on evolutionary optimization + transfer learning for routing problems. Memetic Computing, 2015, 7, 159-180.	4.0	87
224	Rank-based memetic algorithm for capacitated arc routing problems. Applied Soft Computing Journal, 2015, 37, 572-584.	7.2	9
225	Evolutionary multitasking in combinatorial search spaces: A case study in capacitated vehicle routing problem. , 2016, , .		22
226	Simulation Model for Scenario Optimization of the Ready-Mix Concrete Delivery Problem. Selected Scientific Papers: Journal of Civil Engineering, 2016, 11, 7-18.	0.1	0
227	Modification heuristic method in solid waste collection within Perlis, Malaysia. AIP Conference Proceedings, 2016, , .	0.4	0
228	CRO-CARP: A chemical reaction optimization for Capacitated Arc Routing Problem. , 2016, , .		3
229	Dynamic UAV-based traffic monitoring under uncertainty as a stochastic arc-inventory routing policy. International Journal of Transportation Science and Technology, 2016, 5, 167-185.	3.6	66
230	Dynamic selection of evolutionary operators based on online learning and fitness landscape analysis. Soft Computing, 2016, 20, 3889-3914.	3.6	18
231	A sequential approach for the optimization of truck routes for solid waste collection. Chemical Engineering Research and Design, 2016, 102, 238-250.	5.6	25
232	An Adaptive Iterated Local Search for the Mixed Capacitated General Routing Problem. Transportation Science, 2016, 50, 1223-1238.	4.4	19
233	Local search heuristics for sectoring routing in a household waste collection context. European Journal of Operational Research, 2016, 255, 68-79.	5.7	22
234	Immune clonal algorithm based on directed evolution for multi-objective capacitated arc routing problem. Applied Soft Computing Journal, 2016, 49, 748-758.	7.2	22
235	A branch&cut&price algorithm for the mixed capacitated general routing problem. Networks, 2016, 68, 161-184.	2.7	8
236	Twenty Years of Vehicle Routing in Vienna. Dynamic Modeling and Econometrics in Economics and Finance, 2016, , 491-520.	0.5	0
238	A Hybrid Scatter Search Algorithm to Solve the Capacitated Arc Routing Problem with Refill Points. Lecture Notes in Computer Science, 2016, , 3-15.	1.3	1
239	Salting Route Optimization in Hungary. Transportation Research Procedia, 2016, 14, 2421-2430.	1.5	6
240	Multiobjective container barge transport problem. , 2016, , .		0
241	A preliminary study on distance selection in probabilistic memetic framework for capacitated arc routing problem. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
242	Location arc routing problem with inventory constraints. Computers and Operations Research, 2016, 76, 84-94.	4.0	22
243	Hybrid Metaheuristics. Lecture Notes in Computer Science, 2016, , .	1.3	1
244	Algorithms and Discrete Applied Mathematics. Lecture Notes in Computer Science, 2016, , .	1.3	0
245	Approximation Algorithms for Cumulative VRP with Stochastic Demands. Lecture Notes in Computer Science, 2016, , 176-189.	1.3	5
246	A hybrid metaheuristic approach for the capacitated arc routing problem. European Journal of Operational Research, 2016, 253, 25-39.	5.7	52
247	Debris removal during disaster response: A case for Turkey. Socio-Economic Planning Sciences, 2016, 53, 49-59.	5.0	50
248	Constructive heuristics for the Mixed Capacity Arc Routing Problem under Time Restrictions with Intermediate Facilities. Computers and Operations Research, 2016, 68, 30-62.	4.0	26
249	Estimation of the Distribution Algorithm With a Stochastic Local Search for Uncertain Capacitated Arc Routing Problems. IEEE Transactions on Evolutionary Computation, 2016, 20, 96-109.	10.0	63
250	The Vehicle Scheduling Problem for Fleets with Alternative-Fuel Vehicles. Transportation Science, 2017, 51, 441-456.	4.4	40
251	You Can Charge over the Road: Optimizing Charging Tour in Urban Area. Lecture Notes in Computer Science, 2017, , 768-779.	1.3	0
252	A parameterized approximation algorithm for the mixed and windy capacitated arc routing problem: Theory and experiments. Networks, 2017, 70, 262-278.	2.7	15
253	A new shortest path algorithm to solve the resource-constrained project scheduling problem with routing from a flow solution. Engineering Applications of Artificial Intelligence, 2017, 66, 75-86.	8.1	8
254	Semantic transportation planning for food products supply chain ecosystem within difficult geographic zones. Industrial Management and Data Systems, 2017, 117, 2064-2084.	3.7	2
255	Arc Routing with Precedence Constraints: An Application to Snow Plowing Operations. Lecture Notes in Computer Science, 2017, , 174-188.	1.3	3
256	Automated heuristic design using genetic programming hyper-heuristic for uncertain capacitated arc routing problem. , 2017, , .		47
257	A Memetic Algorithm Based on Decomposition and Extended Search for Multi-Objective Capacitated Arc Routing Problem. Lecture Notes in Computer Science, 2017, , 272-283.	1.3	1
258	Multi-depot rural postman problems. Top, 2017, 25, 340-372.	1.6	10
259	A Scalable Approach to Capacitated Arc Routing Problems Based on Hierarchical Decomposition. IEEE Transactions on Cybernetics, 2017, 47, 3928-3940.	9.5	43

#	ARTICLE	IF	CITATIONS
260	Memetic algorithm with route decomposing for periodic capacitated arc routing problem. Applied Soft Computing Journal, 2017, 52, 1130-1142.	7.2	23
261	Memetic algorithm with adaptive local search for Capacitated Arc Routing Problem. , 2017, , .		2
262	Discrete cuckoo search applied to capacitated arc routing problem. International Journal of Metaheuristics, 2017, 6, 37.	0.1	3
263	A fast heuristic for large-scale capacitated arc routing problems. Journal of the Operational Research Society, 2018, 69, 1877-1887.	3.4	14
264	Modeling and solving the non-smooth arc routing problem with realistic soft constraints. Expert Systems With Applications, 2018, 98, 205-220.	7.6	11
265	A robust periodic capacitated arc routing problem for urban waste collection considering drivers and crewâ€™s working time. Waste Management, 2018, 76, 138-146.	7.4	91
266	A simheuristic algorithm for solving the arc routing problem with stochastic demands. Journal of Simulation, 2018, 12, 53-66.	1.5	52
267	New large-scale data instances for CARP and new variations of CARP. Infor, 2018, 56, 1-32.	0.6	8
268	Memetic algorithm based on extension step and statistical filtering for large-scale capacitated arc routing problems. Natural Computing, 2018, 17, 375-391.	3.0	4
269	Two phased hybrid local search for the periodic capacitated arc routing problem. European Journal of Operational Research, 2018, 264, 55-65.	5.7	15
270	A Branch-and-Cut Algorithm for the Multidepot Rural Postman Problem. Transportation Science, 2018, 52, 353-369.	4.4	16
271	Hybrid genetic algorithm for the open capacitated arc routing problem. Computers and Operations Research, 2018, 90, 221-231.	4.0	39
272	Forest-based Tabu Search to the Split-delivery Capacitated Arc-routing Problem. , 2018, , .		1
273	Model for Snow-fighting Vehicle Route Planning Considering Deadheading Restriction. , 2018, , .		1
274	Variants and Formulations of the Vehicle Routing Problem. Springer Optimization and Its Applications, 2018, , 91-127.	0.9	2
275	Using Vehicle GPS Data to Infer Offloading Times of Waste Collection Vehicles at Transfer Stations. , 2018, , .		2
276	Drone arc routing problems. Networks, 2018, 72, 543-559.	2.7	42
277	Migrating towards Using Electric Vehicles in Campus-Proposed Methods for Fleet Optimization. Sustainability, 2018, 10, 285.	3.2	8

#	ARTICLE	IF	CITATIONS
278	Unmanned aerial vehicle scheduling problem for traffic monitoring. Computers and Industrial Engineering, 2018, 122, 15-23.	6.3	44
279	Network Design. , 2018, , 273-340.		0
281	Express UAV Swarm Path Planning with VND Enhanced Memetic Algorithm. , 2018, , .		4
282	A Hybrid Genetic Algorithm for Multi-Trip Green Capacitated Arc Routing Problem in the Scope of Urban Services. Sustainability, 2018, 10, 1366.	3.2	73
283	Genetic Algorithm and Its Advances in Embracing Memetics. Studies in Computational Intelligence, 2019, , 61-84.	0.9	2
284	Evolutionary and Swarm Intelligence Algorithms. Studies in Computational Intelligence, 2019, , .	0.9	52
285	An Experimental Study of Large-scale Capacitated Vehicle Routing Problems. , 2019, , .		2
286	A robust bi-objective multi-trip periodic capacitated arc routing problem for urban waste collection using a multi-objective invasive weed optimization. Waste Management and Research, 2019, 37, 1089-1101.	3.9	62
287	Transfer Learning in Genetic Programming Hyper-heuristic for Solving Uncertain Capacitated Arc Routing Problem. , 2019, , .		19
288	Development and application of an iterative heuristic for roadway snow and ice control. Transportation Research, Part A: Policy and Practice, 2019, 127, 18-31.	4.2	6
289	On $\mathcal{O}(1+\epsilon)$ -approximate Data Reduction for the Rural Postman Problem. Lecture Notes in Computer Science, 2019, , 279-294.	1.3	2
290	Exact approaches for the cutting path determination problem. Computers and Operations Research, 2019, 112, 104772.	4.0	9
291	Adversarial attack against scene recognition system for unmanned vehicles. , 2019, , .		2
292	Novel ensemble genetic programming hyper-heuristics for uncertain capacitated arc routing problem. , 2019, , .		30
293	The unilateral transportation problem. Transportation Research, Part E: Logistics and Transportation Review, 2019, 132, 1-29.	7.4	8
294	Decoding of Code-Multiplexed Coulter Sensor Signals via Deep Learning. , 2019, , .		0
295	Efficient algorithms under dynamic graphs to solve the Capacitated Arc Routing Problem with feasible sparse graph. RAIRO - Operations Research, 2019, 53, 303-322.	1.8	0
296	Automatic Parameter Tuning using Bayesian Optimization Method. , 2019, , .		13

#	ARTICLE	IF	CITATIONS
297	Comparative Analysis of Capacitated Arc Routing Formulations for Designing a New Branch-Cut-and-Price Algorithm. <i>Transportation Science</i> , 2019, 53, 1673-1694.	4.4	11
298	Solving a real-life roll-on“roll-off waste collection problem with column generation. <i>Journal on Vehicle Routing Algorithms</i> , 2019, 2, 41-54.	1.5	8
299	Reducing pollutant emissions in a waste collection vehicle routing problem using a variable neighborhood tabu search algorithm: a case study. <i>Top</i> , 2019, 27, 253-287.	1.6	31
300	Efficient local search strategies for the Mixed Capacitated Arc Routing Problems under Time Restrictions with Intermediate Facilities. <i>Computers and Operations Research</i> , 2019, 105, 203-225.	4.0	15
301	A comparison of the transport requirements of different curbside waste collection systems in Denmark. <i>Waste Management</i> , 2019, 87, 21-32.	7.4	23
302	A Two-Stage Genetic Programming Hyper-Heuristic for Uncertain Capacitated Arc Routing Problem. , 2019, , .		8
303	Adaptive-SAHID Algorithm for Capacitated Arc Routing Problems. , 2019, , .		1
304	Evolving Ensembles of Routing Policies using Genetic Programming for Uncertain Capacitated Arc Routing Problem. , 2019, , .		11
305	Constructive heuristic for the mixed capacitated arc routing problem with multi capacity. <i>Journal of Physics: Conference Series</i> , 2019, 1317, 012011.	0.4	0
306	A case base reasoning approach for a capacitated arc routing problem. , 2019, , .		0
307	Self-adaptive Decomposition and Incremental Hyperparameter Tuning Across Multiple Problems. , 2019, , .		3
308	Uncertain multi-objective Chinese postman problem. <i>Soft Computing</i> , 2019, 23, 11557-11572.	3.6	25
309	New Shades of the Vehicle Routing Problem: Emerging Problem Formulations and Computational Intelligence Solution Methods. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2019, 3, 230-244.	4.9	37
310	A multi-compartment capacitated arc routing problem with intermediate facilities for solid waste collection using hybrid adaptive large neighborhood search and whale algorithm. <i>Waste Management and Research</i> , 2019, 37, 38-47.	3.9	29
311	An efficiency-based path-scanning heuristic for the capacitated arc routing problem. <i>Computers and Operations Research</i> , 2019, 103, 288-295.	4.0	16
312	Improved approximation algorithms for cumulative VRP with stochastic demands. <i>Discrete Applied Mathematics</i> , 2020, 280, 133-143.	0.9	18
313	A Predictive-Reactive Approach with Genetic Programming and Cooperative Coevolution for the Uncertain Capacitated Arc Routing Problem. <i>Evolutionary Computation</i> , 2020, 28, 289-316.	3.0	32
314	Geospatial Technologies for Local and Regional Development. <i>Lecture Notes in Geoinformation and Cartography</i> , 2020, , .	1.0	3

#	ARTICLE	IF	CITATIONS
315	Route Optimisation for Winter Maintenance. Lecture Notes in Geoinformation and Cartography, 2020, , 125-142.	1.0	0
316	Line Coverage with Multiple Robots. , 2020, , .		7
317	On approximate data reduction for the Rural Postman Problem: Theory and experiments. Networks, 2020, 76, 485-508.	2.7	8
318	Method and bench-marking framework for coverage path planning in arable farming. Biosystems Engineering, 2020, 198, 248-265.	4.3	22
319	A Multi-Objective Genetic Programming Hyper-Heuristic Approach to Uncertain Capacitated Arc Routing Problems. , 2020, , .		13
320	Effects of update frequencies in a dynamic capacitated arc routing problem. Networks, 2020, 76, 522-538.	2.7	12
321	Improved Memetic Algorithm for Multi-depot Multi-objective Capacitated Arc Routing Problem. MATEC Web of Conferences, 2020, 308, 01002.	0.2	1
322	Hybrid ANT Colony Algorithm for the Multi-depot Periodic Open Capacitated Arc Routing Problem. International Journal of Artificial Intelligence & Applications, 2020, 11, .	0.5	6
323	Recursive Hybrid Heuristic Algorithm for Routing a Track-Geometry Car through a Large-Scale Urban Subway Network. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	1.4	3
324	The commodity-split multi-compartment capacitated arc routing problem. Computers and Operations Research, 2020, 122, 104994.	4.0	18
325	Evolutionary computation-based multiobjective capacitated arc routing optimizations. , 2020, , 233-300.		1
327	Design of a computer tool for the optimization of solid waste collection circuits. E3S Web of Conferences, 2020, 150, 02016.	0.5	0
328	Field path planning using capacitated arc routing problem. Computers and Electronics in Agriculture, 2020, 173, 105401.	7.7	15
329	On the road to better routes: Five decades of published research on the vehicle routing problem. Networks, 2021, 77, 66-87.	2.7	9
330	Arc routing problems: A review of the past, present, and future. Networks, 2021, 77, 88-115.	2.7	48
331	Divide-and-conquer large scale capacitated arc routing problems with route cutting off decomposition. Information Sciences, 2021, 553, 208-224.	6.9	12
332	“Make no little plans” Impactful research to solve the next generation of transportation problems. Networks, 2021, 77, 269-286.	2.7	20
333	Snow plow route optimization: A constraint programming approach. IISE Transactions, 2021, 53, 685-703.	2.4	4

#	ARTICLE	IF	CITATIONS
334	Optinformatics Across Heterogeneous Problem Domains and Solvers. Adaptation, Learning, and Optimization, 2021, , 75-139.	0.6	0
335	Genetic Programming With Niching for Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2022, 26, 73-87.	10.0	18
336	A Route Clustering and Search Heuristic for Large-Scale Multidepot-Capacitated Arc Routing Problem. IEEE Transactions on Cybernetics, 2022, 52, 8286-8299.	9.5	7
338	Agriculture fleet vehicle routing: A decentralised and dynamic problem. AI Communications, 2021, 34, 55-71.	1.2	6
339	Robust Optimization in Uncertain Capacitated Arc Routing Problems: Progresses and Perspectives [Review Article]. IEEE Computational Intelligence Magazine, 2021, 16, 63-82.	3.2	13
340	On matchings, T-joins, and arc routing in road networks. Networks, 0, , .	2.7	1
341	Open Capacitated ARC routing problem by Hybridized Ant Colony Algorithm. RAIRO - Operations Research, 2021, 55, 639-652.	1.8	21
342	A review of recent advances in the operations research literature on the green routing problem and its variants. Annals of Operations Research, 2021, 304, 529-574.	4.1	14
343	Memetic algorithm with non-smooth penalty for capacitated arc routing problem. Knowledge-Based Systems, 2021, 220, 106957.	7.1	10
344	MA-ABC. , 2021, , .		0
345	Look-Ahead Genetic Programming for Uncertain Capacitated Arc Routing Problem. , 2021, , .		1
346	A Multi-Objective Genetic Programming Approach with Self-Adaptive ϵ -Dominance to Uncertain Capacitated Arc Routing Problem. , 2021, , .		2
347	Two-stage multi-objective genetic programming with archive for uncertain capacitated arc routing problem. , 2021, , .		5
348	A novel multi-task genetic programming approach to uncertain capacitated Arc routing problem. , 2021, , .		4
349	Deployment Optimization of a Fleet of Drones for Routine Inspection of Networks of Linear Infrastructures. , 2021, , .		2
350	A memetic algorithm based on two_Arch2 for multi-depot heterogeneous-vehicle capacitated arc routing problem. Swarm and Evolutionary Computation, 2021, 63, 100864.	8.1	97
351	The capacitated minimum spanning tree problem with arc time windows. Expert Systems With Applications, 2021, 176, 114859.	7.6	5
352	Arc routing under uncertainty: Introduction and literature review. Computers and Operations Research, 2021, 135, 105442.	4.0	12

#	ARTICLE	IF	CITATIONS
353	Optinformatics Within a Single Problem Domain. Adaptation, Learning, and Optimization, 2021, , 17-74.	0.6	0
355	Modeling and Optimization of Vehicle Routing and Arc Routing Problems. , 2006, , 151-191.		9
356	Arc routing for rural Irish networks. , 1996, , 599-606.		2
357	Applications of Set Covering, Set Packing and Set Partitioning Models: A Survey. , 1998, , 573-746.		33
358	Polyhedral Theory for Arc Routing Problems. , 2000, , 199-230.		14
359	Combinatorial Optimization in a Cattle Yard: Feed Distribution, Vehicle Scheduling, Lot Sizing, and Dynamic Pen Assignment. Applied Optimization, 1998, , 142-171.	0.4	8
360	An Improved Genetic Programming Hyper-Heuristic for the Uncertain Capacitated Arc Routing Problem. Lecture Notes in Computer Science, 2018, , 432-444.	1.3	17
361	Towards Novel Meta-heuristic Algorithms for Dynamic Capacitated Arc Routing Problems. Lecture Notes in Computer Science, 2020, , 428-440.	1.3	5
362	Solving Non-smooth Arc Routing Problems Throughout Biased-Randomized Heuristics. Advances in Intelligent Systems and Computing, 2014, , 451-462.	0.6	1
363	Dynamic Selection of Evolutionary Algorithm Operators Based on Online Learning and Fitness Landscape Metrics. Lecture Notes in Computer Science, 2014, , 359-370.	1.3	15
364	Investigating Edge-Reordering Procedures in a Tabu Search Algorithm for the Capacitated Arc Routing Problem. Lecture Notes in Computer Science, 2016, , 62-74.	1.3	1
365	Collection and Vehicle Routing Issues in Reverse Logistics. , 2004, , 95-134.		28
366	Solving an Arc-Routing Problem Using Artificial Ants with a Graph Transformation. Advances in Intelligent and Soft Computing, 2010, , 241-246.	0.2	2
368	A Novel Formulation for the Sustainable Periodic Waste Collection Arc-Routing Problem: A Hybrid Multi-objective Optimization Algorithm. Ecoproduction, 2020, , 77-98.	0.8	8
369	Evolutionary Computation for Dynamic Capacitated Arc Routing Problem. Studies in Computational Intelligence, 2013, , 377-401.	0.9	5
370	Computational Experiments with Heuristics for a Capacitated Arc Routing Problem. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 1995, , 185-190.	0.1	5
371	Diversity-Driven Selection of Multiple Crossover Operators for the Capacitated Arc Routing Problem. Lecture Notes in Computer Science, 2014, , 97-108.	1.3	7
372	A Modified Memetic Algorithm for Multi-depot Green Capacitated Arc Routing Problem. Communications in Computer and Information Science, 2020, , 739-750.	0.5	2

#	ARTICLE	IF	CITATIONS
373	D-MAENS2: A Self-adaptive D-MAENS Algorithm with Better Decision Diversity. , 2020, , .		2
374	An Approximation Algorithm for the Capacitated Arc Routing Problem. The Open Operational Research Journal, 2008, 2, 8-12.	0.3	24
375	A MATHEMATICAL MODEL FOR THE CAPACITATED LOCATION-ARC ROUTING PROBLEM WITH DEADLINES AND HETEROGENEOUS FLEET. Transport, 2019, 34, 692-707.	1.2	2
376	Vehicle Routing Models and Algorithms for Winter Road Spreading Operations. , 0, , 15-45.		4
377	A Bi-Objective Vehicle Routing Problem Considering Distributors' Satisfaction Using Genetic Algorithm and Simulated Annealing. International Journal of Strategic Decision Sciences, 2016, 7, 86-100.	0.0	2
380	Metaheuristics for the Minimum Time Cut Path Problem with Different Cutting and Sliding Speeds. Algorithms, 2021, 14, 305.	2.1	2
382	Efficient Solution of Capacitated Arc Routing Problems with a Limited Computational Budget. Lecture Notes in Computer Science, 2012, , 791-802.	1.3	1
384	A Hybrid Genetic Algorithm with Perturbation for the Multi-depot Capacitated Arc Routing Problem. Journal of Applied Sciences, 2013, 13, 3239-3244.	0.3	4
387	Heurística para solução do problema da coleta de resíduos sólidos domiciliares (RSD) com base no problema do carteiro chinês capacitado com múltiplas viagens (PCCC-MV). Transportes, 2014, 22, 44.	0.2	0
388	DOIS MODELOS MATEMÁTICOS CAPAZES DE SOLUCIONAR UM PROBLEMA PERIÓDICO DE MANUTENÇÃO ATRAVÉS DE ROTEAMENTO EM ARCOS. , 0, , .		0
389	Cut-First Branch-and-Price Second for the Capacitated Arc-Routing Problem. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 2016, , 501-506.	0.1	0
390	Hybrid Solution Methodology: Heuristic-Metaheuristic-Implicit Enumeration 1-0 for the Capacitated Vehicle Routing Problem (Cvrp). International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.7	0
391	Algoritmo memético con operadores de inteligencia artificial para el CARP con inicio y fin no determinado y bi-objetivo. Ingeniería Y Ciencia, 2016, 12, 25-46.	0.3	0
392	Local Search Based Approximation Algorithms for Two-Stage Stochastic Location Problems. Lecture Notes in Computer Science, 2017, , 197-209.	1.3	1
394	Pesquisa Operacional e sua Atuação Multidisciplinar. , 0, , .		0
395	THE VEHICLE ROUTING PROBLEM WITHIN THE INFORMATION SYSTEM FOR CITY ROAD MAINTENANCE PLANNING. Paradigm of Knowledge, 2019, 4, .	0.0	0
396	Ortak Kâsâtlâ Rota Kapsama Problemlerinin Açık Zamanlı Açık Melez Genetik Algoritma Yaklaşımı. Dey Muhendislik Fakultesi Fen Ve Muhendislik, 2020, 22, 401-416.	0.2	0
397	Diversity-driven Knowledge Transfer for GPHH to Solve Uncertain Capacitated Arc Routing Problem. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
398	An Extendable Platform for Routing Problem: Optimisation, Evaluation and Solution Visualisation. , 2020, , .		0
399	Towards Interpretable Routing Policy: A Two Stage Multi-Objective Genetic Programming Approach with Feature Selection for Uncertain Capacitated Arc Routing Problem. , 2020, , .		4
400	Optimization of solid waste collection circuits. E3S Web of Conferences, 2020, 211, 03021.	0.5	0
401	A Vehicle Routing and Scheduling Model for a Distribution Center. , 0, , 334-366.		1
402	Water Truck Routing Optimization in Open Pit Mines Using the General Algebraic Modelling System Approach. Communications in Computer and Information Science, 2021, , 255-270.	0.5	0
403	Faster Capacitated Arc Routing: A Sequence-to-Sequence Approach. IEEE Access, 2022, 10, 4777-4785.	4.2	2
404	Online Re-routing for Vehicle Breakdown in Residential Waste Collection. , 2020, , .		1
405	Genetic Programming With Knowledge Transfer and Guided Search for Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2022, 26, 765-779.	10.0	10
406	Region-Focused Memetic Algorithms With Smart Initialization for Real-World Large-Scale Waste Collection Problems. IEEE Transactions on Evolutionary Computation, 2022, 26, 704-718.	10.0	9
407	A novel model for sustainable waste collection arc routing problem: Pareto-based algorithms. Annals of Operations Research, 2023, 324, 189-214.	4.1	31
408	Management of Street Routing Problems Using Decision Support System. Communications - Scientific Letters of the University of Zilina, 2006, 8, 5-8.	0.6	3
409	Approximation and Polynomial Algorithms for Multi-depot Capacitated Arc Routing Problems. Lecture Notes in Computer Science, 2022, , 93-100.	1.3	1
410	“Rather Solve the Problem from Scratch” – Gamesploring Human-Machine Collaboration for Optimizing the Debris Collection Problem. , 2022, , .		0
411	An Improved Multi-Objective Genetic Programming Hyper-Heuristic with Archive for Uncertain Capacitated Arc Routing Problem. , 2021, , .		0
412	Logistics Engineering Handbook. , 2007, , .		9
415	Knowledge Transfer Genetic Programming With Auxiliary Population for Solving Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2023, 27, 311-325.	10.0	1
416	Learning Heuristics With Different Representations for Stochastic Routing. IEEE Transactions on Cybernetics, 2023, 53, 3205-3219.	9.5	4
418	Grammar Evolution with Machine Learning Guided Transfer for Capacitated Arc Routing Problem. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
419	Multiobjective Multidepot Capacitated Arc Routing Optimization Based on Hybrid Algorithm. Journal of Advanced Transportation, 2022, 2022, 1-13.	1.7	0
420	A dynamic location-arc routing optimization model for electric waste collection vehicles. Journal of Cleaner Production, 2022, 364, 132571.	9.3	11
421	Proximity-Based MAENS for Capacitated Multiple Traveling Salesmen Problem. Lecture Notes in Networks and Systems, 2022, , 22-33.	0.7	4
422	An Artificial Bee Colony Algorithm for Static and Dynamic Capacitated Arc Routing Problems. Mathematics, 2022, 10, 2205.	2.2	6
423	Local ranking explanation for genetic programming evolved routing policies for uncertain capacitated Arc routing problems. , 2022, , .		1
424	Arc routing with trip-balancing and attractiveness measures “ A waste collection case study. Computers and Operations Research, 2022, 147, 105934.	4.0	2
425	Sector arc routing-based spatial decision support system for waste collection in Brazil. Waste Management and Research, 0, , 0734242X2211043.	3.9	0
426	Fast upper and lower bounds for a large-scale real-world arc routing problem. Networks, 0, , .	2.7	1
427	Route Stability in the Uncertain Capacitated Arc Routing Problem. Frontiers in Energy Research, 0, 10, .	2.3	0
428	Facility Location in Logistics and Transportation: An enduring relationship. Transportation Research, Part E: Logistics and Transportation Review, 2022, 166, 102903.	7.4	9
429	A Multi-Objective Genetic Programming Algorithm With $\hat{I} \pm$ Dominance and Archive for Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2023, 27, 1633-1647.	10.0	5
430	Study on path planning of mechanized harvesting of ratoon rice in the first season based on the capacitated arc routing problem model. Frontiers in Plant Science, 0, 13, .	3.6	0
431	A partial tours based path-scanning heuristic for the capacitated arc routing problem. , 2022, , .		0
432	Lagrangian relaxation-based decomposition approaches for the capacitated arc routing problem in the state-space-time network. Transportation Letters, 0, , 1-20.	3.1	2
433	Approximation algorithms for some extensions of the maximum profit routing problem. Journal of Combinatorial Optimization, 2023, 45, .	1.3	0
434	A PTAS for Capacitated Vehicle Routing on Trees. ACM Transactions on Algorithms, 2023, 19, 1-28.	1.0	5
435	Evolving Robust Solutions to Uncertain Capacitated Arc Routing Problem with Time Window. , 2022, , .		0
436	Approximation Schemes for Capacitated Vehicle Routing on Graphs of Bounded Treewidth, Bounded Doubling, or Highway Dimension. ACM Transactions on Algorithms, 2023, 19, 1-36.	1.0	1

#	ARTICLE	IF	CITATIONS
437	Decomposition Strategies for Vehicle Routing Heuristics. INFORMS Journal on Computing, 2023, 35, 543-559.	1.7	5
438	Solving the hierarchical windy postman problem with variable service costs using a math-heuristic algorithm. Soft Computing, 2023, 27, 8789-8805.	3.6	1
439	Exact and Approximation Algorithms for the Multi-Depot Capacitated Arc Routing Problems. Tsinghua Science and Technology, 2023, 28, 916-928.	6.1	0
440	Optimized Planning and Management of Domiciliary and Selective Solid Waste: Results of Application in Brazilian Cities (SisRot [®] Lix). , 0, , .		0
441	Combinatorial-Based Auction for the Transportation Procurement: An Optimization-Oriented Review. IEEE Access, 2023, 11, 60191-60210.	4.2	1
442	Mathematical modeling of a competitive transportation-location arc routing problem. Computers and Industrial Engineering, 2023, 182, 109400.	6.3	1
443	Solving the time capacitated arc routing problem under fuzzy and stochastic travel and service times. Networks, 0, , .	2.7	2
444	An improved multi-objective framework for the Rich arc routing problem. Computers and Operations Research, 2023, 159, 106345.	4.0	1
445	The Line-Haul Feeder Vehicle Routing Problem: A Classification and Review. Complexity, 2023, 2023, 1-16.	1.6	0
446	Evolutionary Algorithms for Optimization Sequence of Cut in the Laser Cutting Path Problem. Applied Sciences (Switzerland), 2023, 13, 10133.	2.5	0
447	Metro track geometry car routing problem with periodic demands: a case study in Beijing, China. Engineering Optimization, 0, , 1-20.	2.6	0
448	RoCaSH2: An Effective Route Clustering and Search Heuristic for Large-Scale Multi-Depot Capacitated Arc Routing Problem. IEEE Computational Intelligence Magazine, 2023, 18, 43-56.	3.2	0
449	A parameterized lower bounding method for the open capacitated arc routing problem. EURO Journal on Computational Optimization, 2023, 11, 100080.	2.4	0
450	Learning heuristics for arc routing problems. Intelligent Systems With Applications, 2024, 21, 200300.	3.0	0
451	Solution Algorithm for the Routing Problem in Capacitated and Periodic Arcs Applied to Hydroelectric Plant Monitoring. RGSA: Revista De Gest�o Social E Ambiental, 2023, 18, e04511.	3.8	0
452	Optimization of the routing problem using the physics-based electromagnetism-like algorithm. IOP Conference Series: Materials Science and Engineering, 2023, 1294, 012042.	0.6	0
453	A Fleet Management System of Autonomous Electric Street Sweepers. , 2023, , .		1
454	Line Coverage With Multiple Robots: Algorithms and Experiments. IEEE Transactions on Robotics, 2024, 40, 1664-1683.	10.3	1

#	ARTICLE	IF	CITATIONS
455	Systemwide Planning with a Branch-and-Price Algorithm for Pavement-Marking Assessment Data Collection via the Mobile Retroreflectivity Unit Routing Model. Journal of Computing in Civil Engineering, 2024, 38, .	4.7	0
456	Synchronizing crowdsourced co-modality between passenger and freight transportation services. Transportation Research, Part E: Logistics and Transportation Review, 2024, 184, 103490.	7.4	0