Michel Gendreau

List of Publications by Year in descending order

363 papers	29,395 citations	5558 82 h-index	6113 159 g-index
375 all docs	375 docs citations	375 times ranked	11896 citing authors

#	Article	IF	Citations
1	Metaheuristics in Combinatorial Optimization. Annals of Operations Research, 2005, 140, 189-213.	2.6	1,358
2	A Tabu Search Heuristic for the Vehicle Routing Problem. Management Science, 1994, 40, 1276-1290.	2.4	918
3	Vehicle Routing Problem with Time Windows, Part I: Route Construction and Local Search Algorithms. Transportation Science, 2005, 39, 104-118.	2.6	887
4	Hyper-heuristics: a survey of the state of the art. Journal of the Operational Research Society, 2013, 64, 1695-1724.	2.1	880
5	A review of dynamic vehicle routing problems. European Journal of Operational Research, 2013, 225, 1-11.	3.5	876
6	A Tabu Search Heuristic for the Vehicle Routing Problem with Soft Time Windows. Transportation Science, 1997, 31, 170-186.	2.6	753
7	A tabu search heuristic for periodic and multi-depot vehicle routing problems. Networks, 1997, 30, 105-119.	1.6	667
8	Vehicle Routing Problem with Time Windows, Part II: Metaheuristics. Transportation Science, 2005, 39, 119-139.	2.6	613
9	Stochastic vehicle routing. European Journal of Operational Research, 1996, 88, 3-12.	3.5	522
10	Classical and modern heuristics for the vehicle routing problem. International Transactions in Operational Research, 2000, 7, 285-300.	1.8	520
11	Vehicle dispatching with time-dependent travel times. European Journal of Operational Research, 2003, 144, 379-396.	3.5	484
12	A Hybrid Genetic Algorithm for Multidepot and Periodic Vehicle Routing Problems. Operations Research, 2012, 60, 611-624.	1.2	476
13	Traveling Salesman Problems with Profits. Transportation Science, 2005, 39, 188-205.	2.6	474
14	An exact algorithm for the elementary shortest path problem with resource constraints: Application to some vehicle routing problems. Networks, 2004, 44, 216-229.	1.6	473
15	The Benders decomposition algorithm: A literature review. European Journal of Operational Research, 2017, 259, 801-817.	3.5	448
16	A guide to vehicle routing heuristics. Journal of the Operational Research Society, 2002, 53, 512-522.	2.1	446
17	New Insertion and Postoptimization Procedures for the Traveling Salesman Problem. Operations Research, 1992, 40, 1086-1094.	1.2	428
18	A hybrid genetic algorithm with adaptive diversity management for a large class of vehicle routing problems with time-windows. Computers and Operations Research, 2013, 40, 475-489.	2.4	391

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19	Parallel Tabu Search for Real-Time Vehicle Routing and Dispatching. Transportation Science, 1999, 33, 381-390.	2.6	368
20	A dynamic model and parallel tabu search heuristic for real-time ambulance relocation. Parallel Computing, 2001, 27, 1641-1653.	1.3	360
21	Heuristics for multi-attribute vehicle routing problems: A survey and synthesis. European Journal of Operational Research, 2013, 231, 1-21.	3.5	333
22	An exact -constraint method for bi-objective combinatorial optimization problems: Application to the Traveling Salesman Problem with Profits. European Journal of Operational Research, 2009, 194, 39-50.	3.5	307
23	Arc Routing Problems, Part II: The Rural Postman Problem. Operations Research, 1995, 43, 399-414.	1.2	303
24	A unified solution framework for multi-attribute vehicle routing problems. European Journal of Operational Research, 2014, 234, 658-673.	3.5	302
25	Dynamic and Stochastic Models for the Allocation of Empty Containers. Operations Research, 1993, 41, 102-126.	1.2	299
26	Solving an ambulance location model by tabu search. Location Science, 1997, 5, 75-88.	0.2	295
27	Arc Routing Problems, Part I: The Chinese Postman Problem. Operations Research, 1995, 43, 231-242.	1.2	263
28	A Tabu Search Algorithm for a Routing and Container Loading Problem. Transportation Science, 2006, 40, 342-350.	2.6	243
29	A Tabu Search Heuristic for the Vehicle Routing Problem with Stochastic Demands and Customers. Operations Research, 1996, 44, 469-477.	1.2	237
30	An Exact Algorithm for the Vehicle Routing Problem with Stochastic Demands and Customers. Transportation Science, 1995, 29, 143-155.	2.6	229
31	An efficient variable neighborhood search heuristic for very large scale vehicle routing problems. Computers and Operations Research, 2007, 34, 2743-2757.	2.4	219
32	A tabu search heuristic for the heterogeneous fleet vehicle routing problem. Computers and Operations Research, 1999, 26, 1153-1173.	2.4	212
33	Exploiting Knowledge About Future Demands for Real-Time Vehicle Dispatching. Transportation Science, 2006, 40, 211-225.	2.6	205
34	An exact algorithm for a vehicle routing problem with time windows and multiple use of vehicles. European Journal of Operational Research, 2010, 202, 756-763.	3.5	197
35	Diversion Issues in Real-Time Vehicle Dispatching. Transportation Science, 2000, 34, 426-438.	2.6	193
36	Intelligent freight-transportation systems: Assessment and the contribution of operations research. Transportation Research Part C: Emerging Technologies, 2009, 17, 541-557.	3.9	193

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37	The Covering Tour Problem. Operations Research, 1997, 45, 568-576.	1.2	188
38	Neighborhood search heuristics for a dynamic vehicle dispatching problem with pick-ups and deliveries. Transportation Research Part C: Emerging Technologies, 2006, 14, 157-174.	3.9	184
39	An adaptive large neighborhood search for the two-echelon multiple-trip vehicle routing problem with satellite synchronization. European Journal of Operational Research, 2016, 254, 80-91.	3.5	184
40	Time-dependent routing problems: A review. Computers and Operations Research, 2015, 64, 189-197.	2.4	183
41	Adaptive memory programming: A unified view of metaheuristics. European Journal of Operational Research, 2001, 135, 1-16.	3.5	177
42	Vehicle Routeing with Multiple Use of Vehicles. Journal of the Operational Research Society, 1996, 47, 1065-1070.	2.1	174
43	A tabu search heuristic for the undirected selective travelling salesman problem. European Journal of Operational Research, 1998, 106, 539-545.	3.5	174
44	A Tabu search heuristic for the vehicle routing problem with two‐dimensional loading constraints. Networks, 2008, 51, 4-18.	1.6	167
45	The maximal expected coverage relocation problem for emergency vehicles. Journal of the Operational Research Society, 2006, 57, 22-28.	2.1	162
46	A Generalized Insertion Heuristic for the Traveling Salesman Problem with Time Windows. Operations Research, 1998, 46, 330-335.	1.2	160
47	An exact algorithm for a single-vehicle routing problem with time windows and multiple routes. European Journal of Operational Research, 2007, 178, 755-766.	3.5	160
48	Wireless Mesh Networks Design â€" A Survey. IEEE Communications Surveys and Tutorials, 2012, 14, 299-310.	24.8	158
49	The hot strip mill production scheduling problem: A tabu search approach. European Journal of Operational Research, 1998, 106, 317-335.	3.5	152
50	An exact algorithm for team orienteering problems. 4or, 2007, 5, 211-230.	1.0	151
51	Cycle-Based Neighbourhoods for Fixed-Charge Capacitated Multicommodity Network Design. Operations Research, 2003, 51, 655-667.	1.2	146
52	A Simplex-Based Tabu Search Method for Capacitated Network Design. INFORMS Journal on Computing, 2000, 12, 223-236.	1.0	142
53	Tabu search for the redundancy allocation problem of homogenous series–parallel multi-state systems. Reliability Engineering and System Safety, 2008, 93, 1257-1272.	5.1	140
54	A dynamic vehicle routing problem with multiple delivery routes. Annals of Operations Research, 2012, 199, 103-112.	2.6	135

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55	A parallel tabu search heuristic for the vehicle routing problem with time windows. Transportation Research Part C: Emerging Technologies, 1997, 5, 109-122.	3.9	133
56	A branch-and-cut algorithm for the undirected selective traveling salesman problem. Networks, 1998, 32, 263-273.	1.6	132
57	An adaptive large neighborhood search for a vehicle routing problem with multiple routes. Computers and Operations Research, 2014, 41, 167-173.	2.4	127
58	Heuristics for the traveling salesman problem with pickup and delivery. Computers and Operations Research, 1999, 26, 699-714.	2.4	126
59	6. Metaheuristics for the Capacitated VRP. , 2002, , 129-154.		126
60	An Exact Constraint Logic Programming Algorithm for the Traveling Salesman Problem with Time Windows. Transportation Science, 1998, 32, 12-29.	2.6	124
61	Cooperative Parallel Variable Neighborhood Search for the p-Median. Journal of Heuristics, 2004, 10, 293-314.	1.1	124
62	Using Constraint-Based Operators to Solve the Vehicle Routing Problem with Time Windows. Journal of Heuristics, 2002, 8, 43-58.	1.1	119
63	Accelerating Benders Decomposition by Local Branching. INFORMS Journal on Computing, 2009, 21, 333-345.	1.0	115
64	Maintenance scheduling in the electricity industry: A literature review. European Journal of Operational Research, 2016, 251, 695-706.	3.5	113
65	HyFlex: A Benchmark Framework for Cross-Domain Heuristic Search. Lecture Notes in Computer Science, 2012, , 136-147.	1.0	110
66	Dynamic Vehicle Routing and Dispatching. , 1998, , 115-126.		108
67	A tabu search procedure for multicommodity location/allocation with balancing requirements. Annals of Operations Research, 1993, 41, 359-383.	2.6	107
68	New Heuristics for the Vehicle Routing Problem. , 2005, , 279-297.		107
69	50th Anniversary Invited Articleâ€"Future Research Directions in Stochastic Vehicle Routing. Transportation Science, 2016, 50, 1163-1173.	2.6	107
70	An Introduction to Tabu Search. , 2003, , 37-54.		104
71	Scheduled Service Network Design for Freight Rail Transportation. Operations Research, 2014, 62, 383-400.	1.2	103
72	Optimizing daily agent scheduling in a multiskill call center. European Journal of Operational Research, 2010, 200, 822-832.	3.5	101

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73	Toward a Taxonomy of Parallel Tabu Search Heuristics. INFORMS Journal on Computing, 1997, 9, 61-72.	1.0	98
74	Evolutionary Algorithms for the Vehicle Routing Problem with Time Windows. Journal of Heuristics, 2004, 10, 587-611.	1.1	98
75	Progressive hedgingâ€based metaheuristics for stochastic network design. Networks, 2011, 58, 114-124.	1.6	98
76	Vehicle routing with soft time windows and stochastic travel times: A column generation and branch-and-price solution approach. European Journal of Operational Research, 2014, 236, 789-799.	3.5	95
77	Heuristics and lower bounds for the bin packing problem with conflicts. Computers and Operations Research, 2004, 31, 347-358.	2.4	94
78	Path Relinking, Cycle-Based Neighbourhoods and Capacitated Multicommodity Network Design. Annals of Operations Research, 2004, 131, 109-133.	2.6	93
79	Metaheuristics for the Vehicle Routing Problem and Its Extensions: A Categorized Bibliography. Operations Research/ Computer Science Interfaces Series, 2008, , 143-169.	0.3	93
80	The orienteering problem with stochastic travel and service times. Annals of Operations Research, 2011, 186, 61-81.	2.6	90
81	Arc routing problems with time-dependent service costs. European Journal of Operational Research, 2007, 181, 30-39.	3.5	88
82	Solving the maximum clique problem using a tabu search approach. Annals of Operations Research, 1993, 41, 385-403.	2.6	87
83	A tabu search heuristic for the multiprocessor scheduling problem with sequence dependent setup times. International Journal of Production Economics, 1996, 43, 79-89.	5.1	87
84	A priori optimization with recourse for the vehicle routing problem with hard time windows and stochastic service times. European Journal of Operational Research, 2016, 249, 55-66.	3.5	87
85	Closed-loop supply chain network design under uncertain quality status: Case of durable products. International Journal of Production Economics, 2017, 183, 470-486.	5.1	87
86	An Effective Multirestart Deterministic Annealing Metaheuristic for the Fleet Size and Mix Vehicle-Routing Problem with Time Windows. Transportation Science, 2008, 42, 371-386.	2.6	86
87	Cooperative Parallel Tabu Search for Capacitated Network Design. Journal of Heuristics, 2002, 8, 601-627.	1.1	85
88	Interior point stabilization for column generation. Operations Research Letters, 2007, 35, 660-668.	0.5	83
89	A pro-active real-time control approach for dynamic vehicle routing problems dealing with the delivery of urgent goods. European Journal of Operational Research, 2013, 225, 130-141.	3.5	81
90	Tabu search for the time-dependent vehicle routing problem with time windows on a road network. European Journal of Operational Research, 2021, 288, 129-140.	3.5	81

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91	A matheuristic based on large neighborhood search for the vehicle routing problem with cross-docking. Computers and Operations Research, 2017, 84, 116-126.	2.4	78
92	Path relinking for the vehicle routing problem. Journal of Heuristics, 2006, 12, 55-72.	1.1	77
93	Accelerating Benders decomposition for closed-loop supply chain network design: Case of used durable products with different quality levels. European Journal of Operational Research, 2016, 251, 830-845.	3.5	77
94	Implicit Enumeration of Hyperpaths in a Logit Model for Transit Networks. Transportation Science, 1998, 32, 54-64.	2.6	76
95	A Constraint Programming Framework for Local Search Methods. Journal of Heuristics, 1999, 5, 255-279.	1.1	74
96	Brain-derived neurotrophic factor stimulates survival and neuronal differentiation in cultured avian neural crest. Developmental Brain Research, 1988, 41, 79-86.	2.1	72
97	A dynamic capacitated arc routing problem with time-dependent service costs. Transportation Research Part C: Emerging Technologies, 2011, 19, 20-28.	3.9	70
98	Scheduling in-house transport vehicles to feed parts to automotive assembly lines. European Journal of Operational Research, 2017, 260, 255-267.	3.5	70
99	Fiberoptic circuit network design under reliability constraints. IEEE Journal on Selected Areas in Communications, 1989, 7, 1181-1187.	9.7	69
100	Economies of Scale in Empty Freight Car Distribution in Scheduled Railways. Transportation Science, 2004, 38, 121-134.	2.6	68
101	A branch-cut-and-price algorithm for the vehicle routing problem with stochastic demands. Computers and Operations Research, 2014, 50, 141-153.	2.4	66
102	A heuristic for the location of a rapid transit line. Computers and Operations Research, 2002, 29, 1-12.	2.4	65
103	A hybrid Tabu-ascent algorithm for the linear Bilevel Programming Problem. Journal of Global Optimization, 1996, 8, 217-233.	1.1	64
104	A Tactical Planning Model for Railroad Transportation of Dangerous Goods. Transportation Science, 2011, 45, 163-174.	2.6	63
105	Complexity of the VRP and SDVRP. Transportation Research Part C: Emerging Technologies, 2011, 19, 741-750.	3.9	63
106	Good Laboratory Practice for optimization research. Journal of the Operational Research Society, 2016, 67, 676-689.	2.1	63
107	Efficiently solving very large-scale routing problems. Computers and Operations Research, 2019, 107, 32-42.	2.4	63
108	Synchronous tabu search parallelization strategies for multicommodity location-allocation with balancing requirements. OR Spectrum, 1995, 17, 113-123.	2.1	61

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109	The <i>m</i>-Traveling Salesman Problem with Minmax Objective. Transportation Science, 1995, 29, 267-275.	2.6	60
110	The Traveling Salesman Problem with Backhauls. Computers and Operations Research, 1996, 23, 501-508.	2.4	59
111	Solving VRPTWs with Constraint Programming Based Column Generation. Annals of Operations Research, 2004, 130, 199-216.	2.6	58
112	A Hybrid Monte Carlo Local Branching Algorithm for the Single Vehicle Routing Problem with Stochastic Demands. Transportation Science, 2010, 44, 136-146.	2.6	58
113	Operational transportation planning of freight forwarding companies in horizontal coalitions. European Journal of Operational Research, 2014, 237, 1133-1141.	3.5	58
114	Combinatorial auctions. Annals of Operations Research, 2007, 153, 131-164.	2.6	57
115	A divide and merge heuristic for the multiprocessor scheduling problem with sequence dependent setup times. European Journal of Operational Research, 2001, 133, 183-189.	3.5	55
116	The Profitable Arc Tour Problem: Solution with a Branch-and-Price Algorithm. Transportation Science, 2005, 39, 539-552.	2.6	54
117	Biâ€objective stochastic programming models for determining depot locations in disaster relief operations. International Transactions in Operational Research, 2016, 23, 997-1023.	1.8	54
118	A tabu search algorithm for the Capacitated Shortest Spanning Tree Problem. Networks, 1997, 29, 161-171.	1.6	53
119	Parallel asynchronous tabu search for multicommodity location-allocation with balancing requirements. Annals of Operations Research, 1996, 63, 277-299.	2.6	52
120	A branch-and-price approach for a multi-period vehicle routing problem. Computers and Operations Research, 2015, 55, 167-184.	2.4	52
121	An adaptive large-neighborhood search heuristic for a multi-period vehicle routing problem. Transportation Research, Part E: Logistics and Transportation Review, 2016, 95, 95-123.	3.7	52
122	A view of local search in constraint programming. Lecture Notes in Computer Science, 1996, , 353-366.	1.0	52
123	Locating a transit line using tabu search. Location Science, 1996, 4, 1-19.	0.2	51
124	A heuristic to solve the synchronized log-truck scheduling problem. Computers and Operations Research, 2013, 40, 666-673.	2.4	51
125	Implicit depot assignments and rotations in vehicle routing heuristics. European Journal of Operational Research, 2014, 237, 15-28.	3.5	51
126	Tabu Search heuristics for the Vehicle Routing Problem with Time Windows. Top, 2002, 10, 211-237.	1.1	50

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127	Isolation and purification of Escherichia coli heat-stable enterotoxin of porcine origin. Analytical Biochemistry, 1982, 127, 267-275.	1.1	49
128	A composite heuristic for the identical parallel machine scheduling problem with minimum makespan objective. Computers and Operations Research, 1994, 21, 205-210.	2.4	49
129	The multi-vehicle traveling purchaser problem with pairwise incompatibility constraints and unitary demands: A branch-and-price approach. European Journal of Operational Research, 2016, 248, 59-71.	3.5	49
130	Strategic Bidding for Price-Taker Hydroelectricity Producers. IEEE Transactions on Power Systems, 2007, 22, 2187-2203.	4.6	48
131	Airport pavement management systems: an appraisal of existing methodologies. Transportation Research, Part A: Policy and Practice, 1998, 32, 197-214.	2.0	47
132	Optimizing profits from hydroelectricity production. Computers and Operations Research, 2009, 36, 499-529.	2.4	47
133	Fleet-sizing for multi-depot and periodic vehicle routing problems using a modular heuristic algorithm. Computers and Operations Research, 2015, 53, 9-23.	2.4	47
134	An exact algorithm to solve the vehicle routing problem with stochastic demands under an optimal restocking policy. European Journal of Operational Research, 2019, 273, 175-189.	3.5	47
135	Real-time decision problems: an operational research perspective. Journal of the Operational Research Society, 1997, 48, 162-174.	2.1	46
136	Solving an integrated employee timetabling and job-shop scheduling problem via hybrid branch-and-bound. Computers and Operations Research, 2009, 36, 2330-2340.	2.4	45
137	Large neighborhood search with constraint programming for a vehicle routing problem with synchronization constraints. Computers and Operations Research, 2018, 92, 87-97.	2.4	45
138	A variable neighborhood descent heuristic for arc routing problems with time-dependent service costs. Computers and Industrial Engineering, 2010, 59, 954-963.	3.4	44
139	Integrating production, maintenance and quality: A multi-period multi-product profit-maximization model. Reliability Engineering and System Safety, 2018, 170, 191-201.	5.1	44
140	A path relinking algorithm for a multi-depot periodic vehicle routing problem. Journal of Heuristics, 2013, 19, 497-524.	1.1	43
141	The traveling salesman problem with time-dependent service times. European Journal of Operational Research, 2016, 248, 372-383.	3.5	43
142	Location of facilities on a network subject to a single-edge failure. Networks, 1992, 22, 231-246.	1.6	42
143	A tabu search heuristic for the Steiner Tree Problem. Networks, 1999, 34, 162-172.	1.6	42
144	A continuous approximation model for the fleet composition problem. Transportation Research Part B: Methodological, 2012, 46, 1591-1606.	2.8	42

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145	An Exact Algorithm for the Two-Dimensional Orthogonal Packing Problem with Unloading Constraints. Operations Research, 2014, 62, 1126-1141.	1.2	42
146	A generic and flexible simulation-based analysis tool for EMS management. International Journal of Production Research, 2015, 53, 7299-7316.	4.9	42
147	Accelerating the Benders Decomposition Method: Application to Stochastic Network Design Problems. SIAM Journal on Optimization, 2018, 28, 875-903.	1.2	42
148	A General Approach to the Physician Rostering Problem. Annals of Operations Research, 2002, 115, 193-205.	2.6	41
149	Time-window relaxations in vehicle routing heuristics. Journal of Heuristics, 2015, 21, 329-358.	1.1	41
150	Tabu Search. Profiles in Operations Research, 2010, , 41-59.	0.3	41
151	Tabu Search. , 2005, , 165-186.		40
152	A column generation approach for a multi-attribute vehicle routing problem. European Journal of Operational Research, 2015, 241, 888-906.	3.5	40
153	A cost minimisation model for joint production and maintenance planning under quality constraints. International Journal of Production Research, 2017, 55, 2163-2176.	4.9	40
154	An adaptive evolutionary approach for real-time vehicle routing and dispatching. Computers and Operations Research, 2013, 40, 1766-1776.	2.4	39
155	A Benders decomposition-based heuristic for a production and outbound distribution scheduling problem with strict delivery constraints. European Journal of Operational Research, 2017, 262, 287-298.	3.5	38
156	The vehicle routing problem with hard time windows and stochastic service times. EURO Journal on Transportation and Logistics, 2018, 7, 223-251.	1.3	38
157	The degradation of bradykinin (BK) and of des-Arg^9-BK in plasma. Canadian Journal of Physiology and Pharmacology, 1981, 59, 131-138.	0.7	37
158	Locating rapid transit lines. Journal of Advanced Transportation, 1995, 29, 145-162.	0.9	37
159	Diversification strategies in tabu search algorithms for the maximum clique problem. Annals of Operations Research, 1996, 63, 189-207.	2.6	37
160	Modeling Bus Stops in Transit Networks: A Survey and New Formulations. Transportation Science, 2001, 35, 304-321.	2.6	37
161	Optimizing road network daily maintenance operations with stochastic service and travel times. Transportation Research, Part E: Logistics and Transportation Review, 2014, 64, 88-102.	3.7	37
162	Partial-route inequalities for the multi-vehicle routing problem with stochastic demands. Discrete Applied Mathematics, 2014, 177, 121-136.	0.5	37

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163	Timing problems and algorithms: Time decisions for sequences of activities. Networks, 2015, 65, 102-128.	1.6	37
164	Synthesis of peptides by the solid-phase method. 7. Substance P and analogs. Journal of Medicinal Chemistry, 1982, 25, 64-68.	2.9	36
165	On the evaluation of telecommunications network reliability using routing models. IEEE Transactions on Communications, 1991, 39, 1494-1501.	4.9	36
166	A robust optimization approach for the road network daily maintenance routing problem with uncertain service time. Transportation Research, Part E: Logistics and Transportation Review, 2016, 85, 40-51.	3.7	36
167	A column generation approach for location-routing problems with pickup and delivery. European Journal of Operational Research, 2019, 272, 121-131.	3.5	36
168	A hybrid constraint programming approach toÂtheÂlog-truck scheduling problem. Annals of Operations Research, 2011, 184, 163-178.	2.6	35
169	Longâ€term management of a hydroelectric multireservoir system under uncertainty using the progressive hedging algorithm. Water Resources Research, 2013, 49, 2812-2827.	1.7	35
170	Heuristics for tactical time slot management: a periodic vehicle routing problem view. International Transactions in Operational Research, 2017, 24, 1233-1252.	1.8	35
171	Heuristics for the location of inspection stations on a network. Naval Research Logistics, 2000, 47, 287-303.	1.4	34
172	An efficient heuristic for reliability design optimization problems. Computers and Operations Research, 2010, 37, 223-235.	2.4	34
173	Iterated local search vs. hyper-heuristics: Towards general-purpose search algorithms. , 2010, , .		34
174	On the flexibility of constraint programming models: From single to multiple time windows for the traveling salesman problem. European Journal of Operational Research, 1999, 117, 253-263.	3.5	33
175	Solving the hierarchical Chinese postman problem as a rural postman problem. European Journal of Operational Research, 2004, 155, 44-50.	3.5	33
176	Chapter 8: Stochastic Vehicle Routing Problems. , 2014, , 213-239.		33
177	A 2-stage method for a field service routing problem with stochastic travel and service times. Computers and Operations Research, 2016, 65, 64-75.	2.4	33
178	An Approximation Algorithm for the Traveling Salesman Problem with Backhauls. Operations Research, 1997, 45, 639-641.	1.2	32
179	A heuristic method for non-homogeneous redundancy optimization of series-parallel multi-state systems. Journal of Heuristics, 2011, 17, 1-22.	1.1	32
180	Optimal location and capability of oil-spill response facilities for the south coast of Newfoundland. Omega, 2013, 41, 856-867.	3.6	32

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181	Branch-and-price and constraint programming for solving a real-life technician dispatching problem. European Journal of Operational Research, 2014, 238, 300-312.	3.5	28
182	Optimal location of facilities on a network with an unreliable node or link. Information Processing Letters, 1996, 58, 71-74.	0.4	27
183	Multiobjective model predictive control for dynamic pickup and delivery problems. Control Engineering Practice, 2014, 32, 73-86.	3.2	27
184	Strategic analysis of the dairy transportation problem. Journal of the Operational Research Society, 2015, 66, 44-56.	2.1	27
185	The heterogeneous multicrew scheduling and routing problem in road restoration. Transportation Research Part B: Methodological, 2020, 141, 24-58.	2.8	26
186	A metaheuristic based on tabu search for solving a technician routing and scheduling problem. Computers and Operations Research, 2021, 125, 105079.	2.4	26
187	Physician Scheduling in Emergency Rooms. , 2006, , 53-66.		26
188	Planned Route Optimization For Real-Time Vehicle Routing. , 2007, , 1-18.		25
189	New Refinements for the Solution of Vehicle Routing Problems with Branch and Price. Infor, 2007, 45, 239-256.	0.5	25
190	Selecting machines and buffers in unreliable assembly/disassembly manufacturing networks. International Journal of Production Economics, 2014, 154, 113-126.	5.1	25
191	Vehicle Routing and Adaptive Iterated Local Search within the HyFlex Hyper-heuristic Framework. Lecture Notes in Computer Science, 2012, , 265-276.	1.0	25
192	Optimal Design of Broadband Wireless Mesh Networks. , 2007, , .		24
193	Distributed Admission Control in Wireless Mesh Networks: Models, Algorithms, and Evaluation. IEEE Transactions on Vehicular Technology, 2010, 59, 1459-1473.	3.9	24
194	Large neighborhood search for the pickup and delivery traveling salesman problem with multiple stacks. Networks, 2012, 60, 19-30.	1.6	24
195	Efficient heuristics for the design of ring networks. Telecommunication Systems, 1995, 4, 177-188.	1.6	23
196	A branch‐and‐cut algorithm for the undirected prize collecting traveling salesman problem. Networks, 2009, 54, 56-67.	1.6	23
197	Logic-based benders decomposition for scheduling a batching machine. Computers and Operations Research, 2020, 113, 104777.	2.4	23
198	Population-based risk equilibration for the multimode hazmat transport network design problem. European Journal of Operational Research, 2020, 284, 188-200.	3.5	23

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199	The Benders Dual Decomposition Method. Operations Research, 2020, 68, 878-895.	1.2	23
200	The Cross-Domain Heuristic Search Challenge â€" An International Research Competition. Lecture Notes in Computer Science, 2011, , 631-634.	1.0	23
201	An algorithm for network dimensioning under reliability considerations. Annals of Operations Research, 1992, 36, 263-274.	2.6	22
202	An integrative cooperative search framework for multi-decision-attribute combinatorial optimization: Application to the MDPVRP. European Journal of Operational Research, 2015, 246, 400-412.	3.5	22
203	Designing Personalized Treatment: An Application to Anticoagulation Therapy. Production and Operations Management, 2016, 25, 902-918.	2.1	22
204	A Unifying Framework for Fairness-Aware Influence Maximization. , 2020, , .		22
205	The Swapping Problem on a Line. SIAM Journal on Computing, 1999, 29, 327-335.	0.8	21
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