Gilbert Laporte

List of Publications by Year
in descending order

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353 papers	32,394 citations	2795 94 h-index	5227 165 g-index
359 all docs	359 docs citations	359 times ranked	10633 citing authors

#	Article	IF	Citations
1	A Tabu Search Heuristic for the Vehicle Routing Problem. Management Science, 1994, 40, 1276-1290.	2.4	918
2	The Pollution-Routing Problem. Transportation Research Part B: Methodological, 2011, 45, 1232-1250.	2.8	851
3	Fifty Years of Vehicle Routing. Transportation Science, 2009, 43, 408-416.	2.6	717
4	A tabu search heuristic for periodic and multi-depot vehicle routing problems. Networks, 1997, 30, 105-119.	1.6	667
5	The dial-a-ride problem: models and algorithms. Annals of Operations Research, 2007, 153, 29-46.	2.6	630
6	A review of recent research on green road freight transportation. European Journal of Operational Research, 2014, 237, 775-793.	3.5	595
7	Static pickup and delivery problems: aÂclassification scheme and survey. Top, 2007, 15, 1-31.	1.1	553
8	The integer L-shaped method for stochastic integer programs with complete recourse. Operations Research Letters, 1993, 13, 133-142.	0.5	547
9	Stochastic vehicle routing. European Journal of Operational Research, 1996, 88, 3-12.	3.5	522
10	A tabu search heuristic for the static multi-vehicle dial-a-ride problem. Transportation Research Part B: Methodological, 2003, 37, 579-594.	2.8	514
11	Dynamic pickup and delivery problems. European Journal of Operational Research, 2010, 202, 8-15.	3.5	511
12	An adaptive large neighborhood search heuristic for the Pollution-Routing Problem. European Journal of Operational Research, 2012, 223, 346-359.	3.5	508
13	Thirty Years of Inventory Routing. Transportation Science, 2014, 48, 1-19.	2.6	411
14	Improvements and extensions to the Miller-Tucker-Zemlin subtour elimination constraints. Operations Research Letters, 1991, 10, 27-36.	0.5	399
15	The bi-objective Pollution-Routing Problem. European Journal of Operational Research, 2014, 232, 464-478.	3.5	390
16	A dynamic model and parallel tabu search heuristic for real-time ambulance relocation. Parallel Computing, 2001, 27, 1641-1653.	1.3	360
17	The Vehicle Routing Problem with Stochastic Travel Times. Transportation Science, 1992, 26, 161-170.	2.6	331
18	A Branch-and-Cut Algorithm for a Vendor-Managed Inventory-Routing Problem. Transportation Science, 2007, 41, 382-391.	2.6	329

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19	The selective travelling salesman problem. Discrete Applied Mathematics, 1990, 26, 193-207.	0.5	326
20	Models and Tabu Search Heuristics for the Berth-Allocation Problem. Transportation Science, 2005, 39, 526-538.	2.6	320
21	A comparative analysis of several vehicle emission models for road freight transportation. Transportation Research, Part D: Transport and Environment, 2011, 16, 347-357.	3.2	307
22	Arc Routing Problems, Part II: The Rural Postman Problem. Operations Research, 1995, 43, 399-414.	1.2	303
23	Battery degradation and behaviour for electric vehicles: Review and numerical analyses of several models. Transportation Research Part B: Methodological, 2017, 103, 158-187.	2.8	301
24	The multi-depot vehicle routing problem with inter-depot routes. European Journal of Operational Research, 2007, 176, 756-773.	3.5	288
25	The time-dependent pollution-routing problem. Transportation Research Part B: Methodological, 2013, 56, 265-293.	2.8	287
26	Real-time vehicle routing: Solution concepts, algorithms and parallel computing strategies. European Journal of Operational Research, 2003, 151, 1-11.	3.5	267
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	Tramp ship routing and scheduling with speed optimization. Transportation Research Part C: Emerging Technologies, 2011, 19, 853-865.	3.9	240
30	Vehicle Routing with Stochastic Demands: Properties and Solution Frameworks. Transportation Science, 1989, 23, 166-176.	2.6	237
31	A Tabu Search Heuristic for the Vehicle Routing Problem with Stochastic Demands and Customers. Operations Research, 1996, 44, 469-477.	1.2	237
32	Models and branch-and-cut algorithms for pickup and delivery problems with time windows. Networks, 2007, 49, 258-272.	1.6	236
33	An Exact Algorithm for the Vehicle Routing Problem with Stochastic Demands and Customers. Transportation Science, 1995, 29, 143-155.	2.6	229
34	A Tabu Search Heuristic for the Capacitated arc Routing Problem. Operations Research, 2000, 48, 129-135.	1.2	229
35	What you should know about the vehicle routing problem. Naval Research Logistics, 2007, 54, 811-819.	1.4	226
36	An IntegerL-Shaped Algorithm for the Capacitated Vehicle Routing Problem with Stochastic Demands. Operations Research, 2002, 50, 415-423.	1.2	225

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37	Drone-aided routing: A literature review. Transportation Research Part C: Emerging Technologies, 2020, 120, 102762.	3.9	225
38	50th Anniversary Invited Articleâ€"Goods Distribution with Electric Vehicles: Review and Research Perspectives. Transportation Science, 2016, 50, 3-22.	2.6	223
39	Double-horizon based heuristics for the dynamic pickup and delivery problem with time windows. Transportation Research Part B: Methodological, 2004, 38, 669-685.	2.8	220
40	A tabu search heuristic and adaptive memory procedure for political districting. European Journal of Operational Research, 2003, 144, 12-26.	3.5	217
41	Chapter 6 Vehicle Routing. Handbooks in Operations Research and Management Science, 2007, , 367-428.	0.6	211
42	The fleet size and mix pollution-routing problem. Transportation Research Part B: Methodological, 2014, 70, 239-254.	2.8	207
43	An adaptive large neighborhood search heuristic for the cumulative capacitated vehicle routing problem. Computers and Operations Research, 2012, 39, 728-735.	2.4	203
44	Single-line rail rapid transit timetabling under dynamic passenger demand. Transportation Research Part B: Methodological, 2014, 70, 134-150.	2.8	203
45	The Covering Tour Problem. Operations Research, 1997, 45, 568-576.	1.2	188
46	Models and exact solutions for a class of stochastic location-routing problems. European Journal of Operational Research, 1989, 39, 71-78.	3.5	187
47	Stochastic uncapacitated hub location. European Journal of Operational Research, 2011, 212, 518-528.	3.5	187
48	Vehicle routing with split deliveries. Discrete Applied Mathematics, 1994, 50, 239-254.	0.5	184
49	Thirty years of heterogeneous vehicle routing. European Journal of Operational Research, 2016, 249, 1-21.	3.5	184
50	A heuristic for the multi-satellite, multi-orbit and multi-user management of Earth observation satellites. European Journal of Operational Research, 2007, 177, 750-762.	3.5	183
51	The inventory-routing problem with transshipment. Computers and Operations Research, 2012, 39, 2537-2548.	2.4	176
52	Vehicle Routeing with Multiple Use of Vehicles. Journal of the Operational Research Society, 1996, 47, 1065-1070.	2.1	174
53	Exact formulations and algorithm for the train timetabling problem with dynamic demand. Computers and Operations Research, 2014, 44, 66-74.	2.4	174
54	A concise guide to existing and emerging vehicle routing problem variants. European Journal of Operational Research, 2020, 286, 401-416.	3.5	171

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55	A comparative analysis of several asymmetric traveling salesman problem formulations. Computers and Operations Research, 2009, 36, 637-654.	2.4	168
56	A Tabu search heuristic for the vehicle routing problem with twoâ€dimensional loading constraints. Networks, 2008, 51, 4-18.	1.6	167
57	Dynamic transportation of patients in hospitals. OR Spectrum, 2010, 32, 77-107.	2.1	165
58	A Generalized Insertion Heuristic for the Traveling Salesman Problem with Time Windows. Operations Research, 1998, 46, 330-335.	1.2	160
59	The Dial-a-Ride Problem (DARP): Variants, modeling issues and algorithms. 4or, 2003, 1, 89.	1.0	159
60	A Priori Optimization of the Probabilistic Traveling Salesman Problem. Operations Research, 1994, 42, 543-549.	1.2	158
61	A branch-and-cut algorithm for the quay crane scheduling problem in a container terminal. Naval Research Logistics, 2006, 53, 45-59.	1.4	158
62	Consistency in multi-vehicle inventory-routing. Transportation Research Part C: Emerging Technologies, 2012, 24, 270-287.	3.9	155
63	Optimal joint replenishment, delivery and inventory management policies for perishable products. Computers and Operations Research, 2014, 47, 42-52.	2.4	155
64	Benders Decomposition for Large-Scale Uncapacitated Hub Location. Operations Research, 2011, 59, 1477-1490.	1.2	152
65	The exact solution of several classes of inventory-routing problems. Computers and Operations Research, 2013, 40, 558-565.	2.4	152
66	A tabu search heuristic for the quay crane scheduling problem. Journal of Scheduling, 2007, 10, 327-336.	1.3	143
67	The electric vehicle routing problem with energy consumption uncertainty. Transportation Research Part B: Methodological, 2019, 126, 225-255.	2.8	142
68	The Delivery Man Problem and Cumulative Matroids. Operations Research, 1993, 41, 1055-1064.	1.2	141
69	The Ring Star Problem: Polyhedral analysis and exact algorithm. Networks, 2004, 43, 177-189.	1.6	137
70	The Integrated Production and Transportation Scheduling Problem for a Product with a Short Lifespan. INFORMS Journal on Computing, 2008, 20, 21-33.	1.0	137
71	Electric Vehicle Routing Problem with Time-Dependent Waiting Times at Recharging Stations. Computers and Operations Research, 2019, 107, 77-94.	2.4	135
72	A branch-and-cut algorithm for the undirected selective traveling salesman problem. Networks, 1998, 32, 263-273.	1.6	132

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73	Improved formulations and algorithmic components for the electric vehicle routing problem with nonlinear charging functions. Computers and Operations Research, 2019, 104, 256-294.	2.4	129
74	A branch-and-cut algorithm for the multi-product multi-vehicle inventory-routing problem. International Journal of Production Research, 2013, 51, 7156-7169.	4.9	128
75	A note on the lifted Millerâ€“Tuckerâ€“Zemlin subtour elimination constraints for the capacitated vehicle routing problem. European Journal of Operational Research, 2004, 158, 793-795.	3.5	125
76	An adaptive large neighborhood search metaheuristic for agile satellite scheduling with time-dependent transition time. Computers and Operations Research, 2017, 86, 41-53.	2.4	125
77	Evaluating passenger robustness in a rail transit network. Transportation Research Part C: Emerging Technologies, 2012, 20, 34-46.	3.9	124
78	The impact of depot location, fleet composition and routing on emissions in city logistics. Transportation Research Part B: Methodological, 2016, 84, 81-102.	2.8	124
79	Scheduling technicians and tasks in a telecommunications company. Journal of Scheduling, 2010, 13, 393-409.	1.3	123
80	A hybrid variable neighborhood tabu search heuristic for the vehicle routing problem with multiple time windows. Computers and Operations Research, 2014, 52, 269-281.	2.4	123
81	Exact Solution to a Location Problem with Stochastic Demands. Transportation Science, 1994, 28, 95-103.	2.6	117
82	The static bicycle relocation problem with demand intervals. European Journal of Operational Research, 2014, 238, 451-457.	3.5	117
83	A metaheuristic for the time-dependent pollution-routing problem. European Journal of Operational Research, 2017, 259, 972-991.	3.5	117
84	A heuristic for the multi-period petrol station replenishment problem. European Journal of Operational Research, 2008, 191, 295-305.	3.5	113
85	Improved solutions for inventory-routing problems through valid inequalities and input ordering. International Journal of Production Economics, 2014, 155, 391-397.	5.1	112
86	Vehicle Routing and Location Routing with Intermediate Stops: A Review. Transportation Science, 2019, 53, 319-343.	2.6	112
87	The petrol station replenishment problem with time windows. Computers and Operations Research, 2009, 36, 919-935.	2.4	109
88	The capacitated vehicle routing problem with stochastic demands and time windows. Computers and Operations Research, 2011, 38, 1775-1783.	2.4	108
89	The dynamic multi-period vehicle routing problem. Computers and Operations Research, 2010, 37, 1615-1623.	2.4	107
90	The green mixed fleet vehicle routing problem with partial battery recharging and time windows. Computers and Operations Research, 2019, 101, 183-199.	2.4	107

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91	An energy-efficient green-vehicle routing problem with mixed vehicle fleet, partial battery recharging and time windows. European Journal of Operational Research, 2019, 276, 971-982.	3.5	104
92	An Adaptive Large Neighbourhood Search Heuristic for the Capacitated Arc-Routing Problem with Stochastic Demands. Transportation Science, 2010, 44, 125-135.	2.6	103
93	Heuristics for the multi-vehicle covering tour problem. Computers and Operations Research, 2000, 27, 29-42.	2.4	100
94	Variable Neighborhood Search for the Pickup and Delivery Traveling Salesman Problem with LIFO Loading. INFORMS Journal on Computing, 2007, 19, 618-632.	1.0	99
95	An improved adaptive large neighborhood search algorithm for multiple agile satellites scheduling. Computers and Operations Research, 2018, 100, 12-25.	2.4	98
96	Generalized travelling salesman problem through n sets of nodes: the asymmetrical case. Discrete Applied Mathematics, 1987, 18, 185-197.	0.5	97
97	A simulation-based heuristic for the electric vehicle routing problem with time windows and stochastic waiting times at recharging stations. Computers and Operations Research, 2021, 125, 105060.	2.4	97
98	Capacitated Vehicle Routing on Trees. Operations Research, 1991, 39, 616-622.	1.2	95
99	A review of vehicle routing with simultaneous pickup and delivery. Computers and Operations Research, 2020, 122, 104987.	2.4	95
100	Designing collection routes through bank branches. Computers and Operations Research, 1993, 20, 783-791.	2.4	93
101	A hybrid evolutionary algorithm for heterogeneous fleet vehicle routing problems with time windows. Computers and Operations Research, 2015, 64, 11-27.	2.4	93
102	Robust Inventory Routing Under Demand Uncertainty. Transportation Science, 2012, 46, 327-340.	2.6	92
103	Charge scheduling for electric freight vehicles. Transportation Research Part B: Methodological, 2018, 115, 246-269.	2.8	92
104	Improvement Procedures for the Undirected Rural Postman Problem. INFORMS Journal on Computing, 1999, 11, 53-62.	1.0	91
105	Designing delivery districts for the vehicle routing problem with stochastic demands. European Journal of Operational Research, 2007, 180, 997-1010.	3.5	91
106	Shared mobility systems: an updated survey. Annals of Operations Research, 2018, 271, 105-126.	2.6	91
107	Quality of service in dial-a-ride operations. Computers and Industrial Engineering, 2009, 56, 1721-1734.	3.4	89
108	The static bike relocation problem with multiple vehicles and visits. European Journal of Operational Research, 2018, 264, 508-523.	3.5	89

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109	Combining multicriteria analysis and tabu search for dial-a-ride problems. Transportation Research Part B: Methodological, 2013, 52, 1-16.	2.8	88
110	The single vehicle routing problem with deliveries and selective pickups. Computers and Operations Research, 2008, 35, 2908-2924.	2.4	87
111	Rich routing problems arising in supply chain management. European Journal of Operational Research, 2013, 224, 435-448.	3.5	87
112	Logistics service network design for humanitarian response in East Africa. Omega, 2018, 74, 1-14.	3.6	86
113	Analysis of an exact algorithm for the vessel speed optimization problem. Networks, 2013, 62, 132-135.	1.6	84
114	Loop based facility planning and material handling. European Journal of Operational Research, 2005, 164, 1-11.	3.5	83
115	An adaptive neighborhood search metaheuristic for the integrated railway rapid transit network design and line planning problem. Computers and Operations Research, 2017, 78, 1-14.	2.4	83
116	Hamiltonian location problems. European Journal of Operational Research, 1983, 12, 82-89.	3.5	81
117	A Covering Tour Model for Planning Mobile Health Care Facilities in SuhumDistrict, Ghama. Journal of Regional Science, 1998, 38, 621-638.	2.1	81
118	A branch-and-cut algorithm for the Undirected Rural Postman Problem. Mathematical Programming, 2000, 87, 467-481.	1.6	81
119	Shared mobility systems. 4or, 2015, 13, 341-360.	1.0	81
120	A multi-compartment vehicle routing problem arising in the collection of olive oil in Tunisia. Omega, 2015, 51, 1-10.	3.6	81
121	Green technology adoption for fleet deployment in a shipping network. Transportation Research Part B: Methodological, 2020, 139, 388-410.	2.8	80
122	The fleet size and mix location-routing problem with time windows: Formulations and a heuristic algorithm. European Journal of Operational Research, 2016, 248, 33-51.	3.5	78
123	Synchronized arc routing for snow plowing operations. Computers and Operations Research, 2012, 39, 1432-1440.	2.4	77
124	Multi-level facility location problems. European Journal of Operational Research, 2018, 267, 791-805.	3.5	77
125	Vehicle routing with backhauls: Review and research perspectives. Computers and Operations Research, 2018, 91, 79-91.	2.4	77
126	Heuristics for dynamic and stochastic inventory-routing. Computers and Operations Research, 2014, 52, 55-67.	2.4	76

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127	Resource constrained routing and scheduling: Review and research prospects. European Journal of Operational Research, 2017, 263, 737-754.	3.5	76
128	The electric vehicle routing problem with shared charging stations. International Transactions in Operational Research, 2019, 26, 1211-1243.	1.8	76
129	General solutions to the single vehicle routing problem with pickups and deliveries. European Journal of Operational Research, 2007, 180, 568-584.	3.5	75
130	A Hybrid Tabu Search and Constraint Programming Algorithm for the Dynamic Dial-a-Ride Problem. INFORMS Journal on Computing, 2012, 24, 343-355.	1.0	75
131	A game theoretic framework for the robust railway transit network design problem. Transportation Research Part B: Methodological, 2010, 44, 447-459.	2.8	73
132	An adaptive large neighborhood search for the discrete and continuous Berth allocation problem. Computers and Operations Research, 2016, 70, 140-154.	2.4	72
133	Crowd-shipping with time windows and transshipment nodes. Computers and Operations Research, 2020, 113, 104806.	2.4	71
134	The Pickup And Delivery Problem With Time Windows And Transshipment. Infor, 2006, 44, 217-227.	0.5	70
135	A branchâ€andâ€cut algorithm for the pickup and delivery traveling salesman problem with LIFO loading. Networks, 2010, 55, 46-59.	1.6	69
136	A large neighbourhood search heuristic for ship routing and scheduling with split loads. Computers and Operations Research, 2011, 38, 474-483.	2.4	69
137	A population-based metaheuristic for the pickup and delivery problem with time windows and LIFO loading. Computers and Operations Research, 2015, 62, 23-35.	2.4	67
138	Modeling and solving a multimodal transportation problem with flexibleâ€time and scheduled services. Networks, 2011, 57, 53-68.	1.6	66
139	A heuristic for the location of a rapid transit line. Computers and Operations Research, 2002, 29, 1-12.	2.4	65
140	Long-Haul Vehicle Routing and Scheduling with Working Hour Rules. Transportation Science, 2013, 47, 81-107.	2.6	65
141	Integrated Railway Rapid Transit Network Design and Line Planning problem with maximum profit. Transportation Research, Part E: Logistics and Transportation Review, 2019, 127, 1-30.	3.7	65
142	Maximizing Trip Coverage in the Location of a Single Rapid Transit Alignment. Annals of Operations Research, 2005, 136, 49-63.	2.6	64
143	The traveling salesman problem with pickup and delivery: polyhedral results and a branch-and-cut algorithm. Mathematical Programming, 2010, 121, 269-305.	1.6	64
144	Improvements to a large neighborhood search heuristic for an integrated aircraft and passenger recovery problem. European Journal of Operational Research, 2014, 233, 234-245.	3.5	64

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145	Chapter 7 Transportation on Demand. Handbooks in Operations Research and Management Science, 2007, 14, 429-466.	0.6	63
146	An Inventory-Routing Problem with Pickups and Deliveries Arising in the Replenishment of Automated Teller Machines. Transportation Science, 2016, 50, 1077-1091.	2.6	61
147	Exact algorithms for the job sequencing and tool switching problem. IIE Transactions, 2004, 36, 37-45.	2.1	60
148	A branch-and-regret heuristic for stochastic and dynamic vehicle routing problems. Networks, 2007, 49, 330-340.	1.6	60
149	Exact Solution of Large-Scale Hub Location Problems with Multiple Capacity Levels. Transportation Science, 2012, 46, 439-459.	2.6	60
150	Classification, models and exact algorithms for multi-compartment delivery problems. European Journal of Operational Research, 2015, 242, 854-864.	3.5	59
151	Scheduling identical parallel machines with tooling constraints. European Journal of Operational Research, 2017, 257, 834-844.	3.5	59
152	A short-turning policy for the management of demand disruptions in rapid transit systems. Annals of Operations Research, 2016, 246, 145-166.	2.6	58
153	The orienteering problem with variable profits. Networks, 2013, 61, 104-116.	1.6	57
154	The dynamic multiperiod vehicle routing problem with probabilistic information. Computers and Operations Research, 2014, 48, 31-39.	2.4	57
155	Tactical network planning for food aid distribution in Kenya. Computers and Operations Research, 2015, 56, 68-83.	2.4	57
156	Designing robust rapid transit networks with alternative routes. Journal of Advanced Transportation, 2011, 45, 54-65.	0.9	56
157	Minimum cost path problems with relays. Computers and Operations Research, 2011, 38, 165-173.	2.4	56
158	Solving a multi-objective dynamic stochastic districting and routing problem with a co-evolutionary algorithm. Computers and Operations Research, 2016, 67, 12-24.	2.4	56
159	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
160	A Tabu Search Algorithm For The Site Dependent Vehicle Routing Problem With Time Windows. Infor, 2001, 39, 292-298.	0.5	54
161	Heuristics for the traveling purchaser problem. Computers and Operations Research, 2003, 30, 491-504.	2.4	52
162	Scenario Tree-Based Heuristics for Stochastic Inventory-Routing Problems. INFORMS Journal on Computing, 2009, 21, 268-285.	1.0	52

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163	Districting for routing with stochastic customers. EURO Journal on Transportation and Logistics, 2012, 1, 67-85.	1.3	52
164	Dynamic Location-routeing Problems. Journal of the Operational Research Society, 1989, 40, 471-482.	2.1	51
165	Locating a transit line using tabu search. Location Science, 1996, 4, 1-19.	0.2	51
166	The network design problem with relays. European Journal of Operational Research, 2007, 180, 834-844.	3.5	50
167	Emerging approaches applied to maritime transport research: Past and future. Communications in Transportation Research, 2021, 1, 100011.	4.9	50
168	Planning rapid transit networks. Socio-Economic Planning Sciences, 2011, 45, 95-104.	2.5	49
169	Measuring quality of service in dial-a-ride operations: the case of a Canadian city. Transportation, 2012, 39, 539-564.	2.1	49
170	A continuous analysis framework for the solution of locationâ€“allocation problems with dense demand. Computers and Operations Research, 2010, 37, 123-136.	2.4	48
171	Collaborative Prepositioning Network Design for Regional Disaster Response. Production and Operations Management, 2019, 28, 2431-2455.	2.1	48
172	A large neighbourhood search heuristic for the aircraft and passenger recovery problem. 4or, 2011, 9, 139-157.	1.0	47
173	A generalized variable neighborhood search heuristic for the capacitated vehicle routing problem with stochastic service times. Top, 2012, 20, 99-118.	1.1	47
174	Districting for Arc Routing. INFORMS Journal on Computing, 2014, 26, 809-824.	1.0	47
175	Robust assembly line balancing with heterogeneous workers. Computers and Industrial Engineering, 2015, 88, 254-263.	3.4	47
176	Fleet deployment and demand fulfillment for container shipping liners. Transportation Research Part B: Methodological, 2019, 120, 15-32.	2.8	47
177	Lasso solution strategies for the vehicle routing problem with pickups and deliveries. European Journal of Operational Research, 2009, 192, 755-766.	3.5	45
178	Designing a home-to-work bus service in a metropolitan area. Transportation Research Part B: Methodological, 2011, 45, 1710-1726.	2.8	45
179	Multi-objective integration of timetables, vehicle schedules and user routings in a transit network. Transportation Research Part B: Methodological, 2017, 98, 94-112.	2.8	45
180	A two-echelon inventory routing problem for perishable products. Computers and Operations Research, 2019, 107, 156-172.	2.4	45

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181	Vehicle routing with cross-dock selection. Computers and Operations Research, 2017, 77, 254-266.	2.4	44
182	Designing sustainable mid-haul logistics networks with intra-route multi-resource facilities. European Journal of Operational Research, 2018, 265, 517-532.	3.5	44
183	Quantifying the environmental and economic benefits of cooperation: A case study in temperature-controlled food logistics. Transportation Research, Part D: Transport and Environment, 2018, 65, 178-193.	3.2	44
184	A Memetic Heuristic for the Generalized Quadratic Assignment Problem. INFORMS Journal on Computing, 2006, 18, 433-443.	1.0	43
185	The traveling salesman problem with time-dependent service times. European Journal of Operational Research, 2016, 248, 372-383.	3.5	43
186	A continuous approximation model for the fleet composition problem. Transportation Research Part B: Methodological, 2012, 46, 1591-1606.	2.8	42
187	Dynamic design of sales territories. Computers and Operations Research, 2015, 56, 84-92.	2.4	42
188	Multi-objective rapid transit network design with modal competition: The case of ConcepciÃ³n, Chile. Computers and Operations Research, 2017, 78, 27-43.	2.4	42
189	The Traveling Salesman Problem with Pickups, Deliveries, and Handling Costs. Transportation Science, 2010, 44, 383-399.	2.6	41
190	Branch-Price-and-Cut Algorithms for the Pickup and Delivery Problem with Time Windows and Last-in-First-Out Loading. Transportation Science, 2015, 49, 752-766.	2.6	41
191	Rapid transit network design for optimal cost and originâ€“destination demand capture. Computers and Operations Research, 2013, 40, 3000-3009.	2.4	40
192	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
193	An Integrated Methodology for the Rapid Transit Network Design Problem. , 2007, , 187-199.		39
194	Improved lower bounds and exact algorithm for the capacitated arc routing problem. Mathematical Programming, 2013, 137, 409-452.	1.6	39
195	Green Vehicle Routing. Profiles in Operations Research, 2016, , 243-265.	0.3	39
196	A vehicle routing problem arising in unmanned aerial monitoring. Computers and Operations Research, 2019, 105, 1-11.	2.4	39
197	Chapter 4: Heuristics for the Vehicle Routing Problem. , 2014, , 87-116.		38
198	Route and speed optimization for autonomous trucks. Computers and Operations Research, 2018, 100, 89-101.	2.4	38

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199	Locating rapid transit lines. Journal of Advanced Transportation, 1995, 29, 145-162.	0.9	37
200	An iterated local search heuristic for the logistics network design problem with single assignment. International Journal of Production Economics, 2008, 113, 626-640.	5.1	37
201	Waiting and Buffering Strategies for the Dynamic Pickup and Delivery Problem with Time Windows. Infor, 2008, 46, 165-175.	0.5	37
202	The synchronized arc and node routing problem: Application to road marking. Computers and Operations Research, 2013, 40, 1708-1715.	2.4	37
203	Partial-route inequalities for the multi-vehicle routing problem with stochastic demands. Discrete Applied Mathematics, 2014, 177, 121-136.	0.5	37
204	Branch-price-and-cut algorithms for the pickup and delivery problem with time windows and multiple stacks. European Journal of Operational Research, 2016, 250, 782-793.	3.5	37
205	Continuous approximation models in freight distribution management. Top, 2017, 25, 413-433.	1.1	37
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