Chapter 2 Time constrained routing and scheduling

Handbooks in Operations Research and Management Science
8, 35-139
DOI: 10.1016/s0927-0507(05)80106-9

Citation Report

#	Article	IF	Citations
1	A dynamic routing procedure for connections with quality of service requirements. , 0, , .		1
2	A method for solving ship routing problemswith inventory constraints. Annals of Operations Research, 1998, 81, 357-378.	2.6	86
3	Crew scheduling of light rail transit in Hong Kong: from modeling to implementation. Computers and Operations Research, 1998, 25, 887-894.	2.4	32
4	Multi-depot vehicle scheduling problems with time windows and waiting costs. European Journal of Operational Research, 1998, 111, 479-494.	3.5	96
5	Decision support for vehicle dispatching using genetic programming. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1998, 28, 306-314.	3.4	52
6	Flight String Models for Aircraft Fleeting and Routing. Transportation Science, 1998, 32, 208-220.	2.6	256
7	Vehicle Scheduling in Public Transit and Lagrangean Pricing. Management Science, 1998, 44, 1637-1649.	2.4	76
8	An Approximate Model and Solution Approach for the Long-Haul Crew Pairing Problem. Transportation Science, 1998, 32, 221-231.	2.6	34
9	Crew Pairing Optimization. Profiles in Operations Research, 1998, , 228-258.	0.3	35
10	Parallel crew scheduling in PAROS. Lecture Notes in Computer Science, 1998, , 1104-1113.	1.0	9
11	A Column Generation Approach for Large-Scale Aircrew Rostering Problems. Operations Research, 1999, 47, 247-263.	1.2	168
12	A Framework for Constraint Programming Based Column Generation. Lecture Notes in Computer Science, 1999, , 261-274.	1.0	45
13	The m-Cost ATSP. Lecture Notes in Computer Science, 1999, , 242-258.	1.0	2
14	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
15	A route-neighborhood-based metaheuristic for vehicle routing problem with time windows. European Journal of Operational Research, 1999, 118, 485-504.	3.5	78
16	Fleet assignment and routing with schedule synchronization constraints. European Journal of Operational Research, 1999, 119, 75-90.	3.5	76
17	Fleet management models and algorithms for an oil-tanker routing and scheduling problem. IIE Transactions, 1999, 31, 395-406.	2.1	2
18	An Efficient Airline Re-Fleeting Model for the Incremental Modification of Planned Fleet Assignments. Transportation Science, 2000, 34, 349-363.	2.6	28

#	Article	IF	Citations
19	Genetic Algorithm Approach for Multiple Depot Capacitated Vehicle Routing Problem Solving With Heuristic Improvements. International Journal of Modelling and Simulation, 2000, 20, 320-328.	2.3	19
20	Mixed Global and Local Assignment Algorithms for Quasi-Dynamic Local Truckload Trucking Operations with Strict Time Windows. Transportation Research Record, 2000, 1733, 49-55.	1.0	6
21	A polyhedral study of the asymmetric traveling salesman problem with time windows. Networks, 2000, 36, 69-79.	1.6	90
22	Planning models for long-haul operations of postal and express shipment companies. European Journal of Operational Research, 2000, 122, 289-309.	3.5	86
23	The asymmetric traveling salesman problem with replenishment arcs. European Journal of Operational Research, 2000, 123, 408-427.	3.5	32
24	Parallel Integer Optimization for Crew Scheduling. Annals of Operations Research, 2000, 99, 141-166.	2.6	20
25	Air Transat Uses ALTITUDE to Manage Its Aircraft Routing, Crew Pairing, and Work Assignment. Interfaces, 2000, 30, 41-53.	1.6	19
26	A metaheuristic for the pickup and delivery problem with time windows. , 0, , .		101
27	Branch and Price: Integer Programming with Column Generation. , 2001, , 218-221.		5
28	Pickup and delivery with time windows: algorithms and test case generation. , 0, , .		26
30	Models and Algorithms for Single-Depot Vehicle Scheduling. Transportation Science, 2001, 35, 165-180.	2.6	82
31	Ship scheduling with soft time windows: An optimisation based approach. European Journal of Operational Research, 2001, 131, 559-571.	3.5	158
32	A Technical Review of Column Generation in Integer Programming. Optimization and Engineering, 2001, 2, 159-200.	1.3	78
33	Ship assignment with hub and spoke constraints. Maritime Policy and Management, 2002, 29, 135-150.	1.9	47
34	Heuristic Algorithms for Solving Hazardous Materials Logistical Problems. Transportation Research Record, 2002, 1783, 158-166.	1.0	8
35	PICKUP AND DELIVERY WITH TIME WINDOWS: ALGORITHMS AND TEST CASE GENERATION. International Journal on Artificial Intelligence Tools, 2002, 11, 455-472.	0.7	35
36	A Hybrid Exact Algorithm for the TSPTW. INFORMS Journal on Computing, 2002, 14, 403-417.	1.0	110
37	Combining Column Generation and Lagrangean Relaxation to Solve a Single-Machine Common Due Date Problem. INFORMS Journal on Computing, 2002, 14, 37-51.	1.0	40

#	Article	IF	Citations
38	The Vehicle Routing Problem with Time Windows and Simultaneous Pick-up and Delivery. Lecture Notes in Economics and Mathematical Systems, 2002, , 249-267.	0.3	62
39	Urban Transit Scheduling: Framework, Review and Examples. Journal of the Urban Planning and Development Division, ASCE, 2002, 128, 225-244.	0.8	68
40	Local truckload pickup and delivery with hard time window constraints. Transportation Research Part B: Methodological, 2002, 36, 97-112.	2.8	151
41	Operational car assignment at VIA Rail Canada. Transportation Research Part B: Methodological, 2002, 36, 755-778.	2.8	67
42	Robust ship scheduling with multiple time windows. Naval Research Logistics, 2002, 49, 611-625.	1.4	73
43	Tabu Search heuristics for the Vehicle Routing Problem with Time Windows. Top, 2002, 10, 211-237.	1.1	50
44	A tabu search algorithm for scheduling a single robot in a job-shop environment. Discrete Applied Mathematics, 2002, 119, 181-203.	0.5	61
45	Models, relaxations and exact approaches for the capacitated vehicle routing problem. Discrete Applied Mathematics, 2002, 123, 487-512.	0.5	360
46	LP models for bin packing and cutting stock problems. European Journal of Operational Research, 2002, 141, 253-273.	3.5	202
47	Network Design for Express Shipment Delivery. Computational Optimization and Applications, 2002, 21, 239-262.	0.9	67
48	GRASP with a New Local Search Scheme for Vehicle Routing Problems with Time Windows. Journal of Combinatorial Optimization, 2003, 7, 179-207.	0.8	19
49	Dispatching and Conflict-Free Routing of Automated Guided Vehicles: An Exact Approach. Flexible Services and Manufacturing Journal, 2003, 15, 309-331.	0.4	80
50	Improved preprocessing, labeling and scaling algorithms for the Weight-Constrained Shortest Path Problem. Networks, 2003, 42, 135-153.	1.6	155
51	Local search with annealing-like restarts to solve the VRPTW. European Journal of Operational Research, 2003, 150, 115-127.	3.5	86
52	Long-Haul Freight Transportation. , 2003, , 451-516.		98
53	A multiobjective evolutionary algorithm for solving vehicle routing problem with time windows. , 0, , .		13
54	A Metaheuristic for the Pickup and Delivery Problem with Time Windows. International Journal on Artificial Intelligence Tools, 2003, 12, 173-186.	0.7	157
55	Multicasting to groups in optical networks and related combinatorial optimization problems. , 0, , .		1

#	Article	IF	Citations
56	A Fast Evolutionary Metaheuristic for the Vehicle Routing Problem with Time Windows. International Journal on Artificial Intelligence Tools, 2003, 12, 153-172.	0.7	22
57	On Traffic Equilibrium Models with a Nonlinear Time/Money Relation. , 2002, , 19-31.		6
58	A heuristic algorithm for solving hazardous materials distribution problems. European Journal of Operational Research, 2004, 152, 507-519.	3.5	165
59	Operational planning of a large-scale multi-modal transportation system. European Journal of Operational Research, 2004, 156, 41-53.	3.5	46
61	A labeling method for dynamic driver-task assignment with uncertain task durations. Operations Research Letters, 2005, 33, 411-420.	0.5	17
62	Active guided evolution strategies for large-scale vehicle routing problems with time windows. Computers and Operations Research, 2005, 32, 1593-1614.	2.4	179
63	Local Search for Vehicle Routing and Scheduling Problems: Review and Conceptual Integration. Journal of Heuristics, 2005, 11, 267-306.	1.1	86
64	Ship Scheduling with Recurring Visits and Visit Separation Requirements. , 2005, , 225-245.		13
65	Combining Column Generation and Lagrangian Relaxation. , 2005, , 247-270.		20
66	Large-Scale Models in the Airline Industry. , 2005, , 163-195.		33
67	Shunting of Passenger Train Units in a Railway Station. Transportation Science, 2005, 39, 261-272.	2.6	65
68	Selected Topics in Column Generation. Operations Research, 2005, 53, 1007-1023.	1.2	747
69	Approximation algorithms for the bid construction problem in combinatorial auctions for the procurement of freight transportation contracts. Transportation Research Part B: Methodological, 2005, 39, 914-933.	2.8	90
70	Cutting Stock Problems. , 2005, , 131-161.		22
71	Reinventing Crew Scheduling at Netherlands Railways. Interfaces, 2005, 35, 393-401.	1.6	66
72	Truck Route Planning in Nonstationary Stochastic Networks With Time Windows at Customer Locations. IEEE Transactions on Intelligent Transportation Systems, 2006, 7, 51-62.	4.7	56
73	A Branch-and-Price Approach to the Vehicle Routing Problem with Simultaneous Distribution and Collection. Transportation Science, 2006, 40, 235-247.	2.6	164
74	Vehicle Routing and Staffing for Sedan Service. Transportation Science, 2006, 40, 313-326.	2.6	12

#	Article	IF	Citations
75	Minmax subtree cover problem on cacti. Discrete Applied Mathematics, 2006, 154, 1254-1263.	0.5	2
76	The vehicle routing problem with flexible time windows and traveling times. Discrete Applied Mathematics, 2006, 154, 2271-2290.	0.5	86
77	Symmetry helps: Bounded bi-directional dynamic programming for the elementary shortest path problem with resource constraints. Discrete Optimization, 2006, 3, 255-273.	0.6	248
78	A hybrid multi-objective evolutionary algorithm for solving truck and trailer vehicle routing problems. European Journal of Operational Research, 2006, 172, 855-885.	3.5	126
79	The routing open-shop problem on a network: Complexity and approximation. European Journal of Operational Research, 2006, 173, 531-539.	3.5	36
80	Algorithms for single machine total tardiness scheduling with sequence dependent setups. European Journal of Operational Research, 2006, 175, 722-739.	3.5	79
81	BoxStep methods for crew pairing problems. Optimization and Engineering, 2006, 7, 33-46.	1.3	3
82	A Hybrid Multiobjective Evolutionary Algorithm for Solving Vehicle Routing Problem with Time Windows. Computational Optimization and Applications, 2006, 34, 115-151.	0.9	206
83	A Cost-Regular Based Hybrid Column Generation Approach. Constraints, 2006, 11, 315-333.	0.4	87
84	Multi-Objective Genetic Algorithms for Vehicle Routing Problem with Time Windows. Applied Intelligence, 2006, 24, 17-30.	3.3	407
85	Projection results for vehicle routing. Mathematical Programming, 2006, 105, 251-274.	1.6	95
86	Solving a class of stochastic mixed-integer programs with branch and price. Mathematical Programming, 2006, 108, 395-418.	1.6	10
87	An ant colony system approach for variants of the traveling salesman problem with time windows. Journal of Information and Optimization Sciences, 2006, 27, 35-54.	0.2	13
88	Heuristics for a scheduling problem of minimizing the number of oneÂ¿way vehicles on paths with deadlines. , 2007, , .		0
89	Selective Vehicle Scheduling on Paths with a Due Date Involving Criterion. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2007, 73, 911-918.	0.2	2
90	New Refinements for the Solution of Vehicle Routing Problems with Branch and Price. Infor, 2007, 45, 239-256.	0.5	25
91	Modeling and optimizing transportation decisions in a manufacturing supply chain. Transportation Research, Part E: Logistics and Transportation Review, 2007, 43, 321-337.	3.7	16
92	Optimal Static Soaring of UAVs Using Vehicle Routing with Time Windows. , 2007, , .		7

#	Article	IF	Citations
93	Backhauling in forest transportation: models, methods, and practical usage. Canadian Journal of Forest Research, 2007, 37, 2612-2623.	0.8	60
94	Optimization of transportation requirements in the deployment of military units. Computers and Operations Research, 2007, 34, 1158-1176.	2.4	18
95	Managing large fixed costs in vehicle routing and crew scheduling problems solved by column generation. Computers and Operations Research, 2007, 34, 1221-1239.	2.4	16
96	A model to optimize placement operations on dual-head placement machines. Discrete Optimization, 2007, 4, 232-256.	0.6	13
97	An effective and fast heuristic for the Dial-a-Ride problem. 4or, 2007, 5, 61-73.	1.0	53
98	Combined vehicle routing and scheduling with temporal precedence and synchronization constraints. European Journal of Operational Research, 2008, 191, 19-31.	3.5	271
99	Pruning in column generation for service vehicle dispatching. Annals of Operations Research, 2008, 159, 355-371.	2.6	13
100	Formulations and exact algorithms for the vehicle routing problem with time windows. Computers and Operations Research, 2008, 35, 2307-2330.	2.4	124
101	An attributeâ€“decision model for cross-border drayage problem. Transportation Research, Part E: Logistics and Transportation Review, 2008, 44, 217-234.	3.7	57
102	Negotiation with reaction functions for solving complex task allocation problems. , 2009, , .		7
103	A decision support model for establishing an air taxi service: a case study. Journal of the Operational Research Society, 2009, 60, 1173-1182.	2.1	20
104	Arc-Guided Evolutionary Algorithm for the Vehicle Routing Problem With Time Windows. IEEE Transactions on Evolutionary Computation, 2009, 13, 624-647.	7.5	71
105	Constraint programming-based column generation. 4or, 2009, 7, 113-137.	1.0	16
106	A comparison of five heuristics for the multiple depot vehicle scheduling problem. Journal of Scheduling, 2009, 12, 17-30.	1.3	94
107	Dynamic window reduction for the multiple depot vehicle scheduling problem with time windows. Computers and Operations Research, 2009, 36, 2160-2172.	2.4	29
108	A decision support methodology for strategic planning in maritime transportation. Omega, 2010, 38, 465-474.	3.6	62
109	A hybrid scatter search heuristic for personalized crew rostering in the airline industry. European Journal of Operational Research, 2010, 206, 155-167.	3.5	64
110	Total flow time minimization in a flowshop sequence-dependent group scheduling problem. Computers and Operations Research, 2010, 37, 199-212.	2.4	79

#	Article	IF	Citations
111	Column generation approaches to ship scheduling with flexible cargo sizes. European Journal of Operational Research, 2010, 200, 139-150.	3.5	49
112	Vehicle routing problems with alternative paths: An application to on-demand transportation. European Journal of Operational Research, 2010, 204, 62-75.	3.5	102
113	Classification of Dantzigâ€“Wolfe reformulations for binary mixed integer programming problems. European Journal of Operational Research, 2010, 204, 251-254.	3.5	18
114	The Traveling Salesman Problem, the Vehicle Routing Problem, and Their Impact on Combinatorial Optimization. International Journal of Strategic Decision Sciences, 2010, 1, 82-92.	0.0	5
115	The solving strategy for the real-world vehicle routing problem. , 2010, , .		4
116	Scheduling extra freight trains on railway networks. Transportation Research Part B: Methodological, 2010, 44, 215-231.	2.8	171
117	A hybrid approach of heuristic and exact method for crew pairing problem. , 2010, , .		1
118	Itinerary optimisation approach inside hypermarkets. , 2011, , .		3
119	A heuristic algorithm to vehicle routing problem with the consideration of customers' service preference. , 2011, , .		0
120	Vehicle routing with fuzzy time windows using a genetic algorithm. , 2011, , .		3
121	Optimizing Railway Crew Scheduling at DB Schenker. Interfaces, 2011, 41, 109-122.	1.6	35
122	Online Rejected-Reinsertion Heuristics for Dynamic Multivehicle Dial-a-Ride Problem. Transportation Research Record, 2011, 2218, 59-67.	1.0	21
123	Increasing Delay-Tolerance of Vehicle and Crew Schedules in Public Transport by Sequential, Partial-Integrated and Integrated Approaches. Procedia, Social and Behavioral Sciences, 2011, 20, 292-301.	0.5	9
124	A lookahead partitioning heuristic for a new assignment and scheduling problem in a distribution system. European Journal of Operational Research, 2011, 215, 325-336.	3.5	5
125	Special Issue on Latin-American Research: A Time Based Discretization Approach for Ship Routing and Scheduling with Variable Speed. Networks and Spatial Economics, 2011, 11, 465-485.	0.7	26
126	Solving a multi-objective interval crew-scheduling problem via Genetic Algorithms. Opsearch, 2011, 48, 197-216.	1.1	2
127	A large neighbourhood search heuristic for ship routing and scheduling with split loads. Computers and Operations Research, 2011, 38, 474-483.	2.4	69
128	An efficient column-generation-based algorithm for solving a pickup-and-delivery problem. Computers and Operations Research, 2011, 38, 1647-1655.	2.4	13

#	Article	IF	Citations
129	An adaptive parallel route construction heuristic for the vehicle routing problem with time windows constraints. Expert Systems With Applications, 2011, 38, 11939-11946.	4.4	35
130	Itinerary optimisation approach with time windows inside hypermarkets. , 2011, , .		0
132	Distributed resource management using iterative gradient update synthesis. , 2011, , .		0
133	Computational study of neighborhood operator performance on the Traveling Salesman Problem with Time Windows in neighborhood search based frameworks (RTS, VNS). , 2011, , .		2
134	Improving CP-based local branching via sliced neighborhood search. , 2011, , .		3
135	The Effect of Robust Decisions on the Cost of Uncertainty in Military Airlift Operations. ACM Transactions on Modeling and Computer Simulation, 2011, 22, 1-19.	0.6	6
136	Integrated Airline Crew Pairing and Crew Assignment by Dynamic Constraint Aggregation. Transportation Science, 2012, 46, 39-55.	2.6	32
137	REAL-LIFE VEHICLE ROUTING WITH TIME WINDOWS FOR VISUAL ATTRACTIVENESS AND OPERATIONAL ROBUSTNESS. Asia-Pacific Journal of Operational Research, 2012, 29, 1250017.	0.9	11
138	Spider Covers and Their Applications. , 2012, 2012, 1-11.		0
139	A Time Bucket Formulation for the Traveling Salesman Problem with Time Windows. INFORMS Journal on Computing, 2012, 24, 132-147.	1.0	61
140	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, I_805-I_813.	0.0	1
141	A MIP Formulation for the Pickup and Delivery Problem with Time Window and Transshipment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 333-338.	0.4	3
142	Heuristic approaches for a special simultaneous pickup and delivery problem with time windows in home health care industry. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 345-350.	0.4	5
143	The Fixed-Charge Shortest-Path Problem. INFORMS Journal on Computing, 2012, 24, 578-596.	1.0	5
144	Resilience: An Indicator of Recovery Capability in Intermodal Freight Transport. Transportation Science, 2012, 46, 109-123.	2.6	302
145	Heuristic Scheme for Heterogeneous Vehicle Routing Problem on Trees Based on Generalized Assignment and Bin-Packing Upper Bounds. Transportation Research Record, 2012, 2283, 1-11.	1.0	2
146	Stabilized dynamic constraint aggregation for solving set partitioning problems. European Journal of Operational Research, 2012, 223, 360-371.	3.5	13
147	Parametric search and problem decomposition for approximating Pareto-optimal paths. Transportation Research Part B: Methodological, 2012, 46, 1043-1067.	2.8	12

#	Article	IF	Citations
148	Nested column generation applied to the crude oil tanker routing and scheduling problem with split pickup and split delivery. Naval Research Logistics, 2012, 59, 298-310.	1.4	21
149	Bounding, filtering and diversification in CP-based local branching. Journal of Heuristics, 2012, 18, 353-374.	1.1	7
150	Solving shortest path problems with a weight constraint and replenishment arcs. Computers and Operations Research, 2012, 39, 964-984.	2.4	59
151	On the impact of real-time information on field service scheduling. Decision Support Systems, 2012, 53, 282-293.	3.5	21
152	Divide-and-price: A decomposition algorithm for solving large railway crew scheduling problems. European Journal of Operational Research, 2012, 219, 214-223.	3.5	43
153	Sliced Neighborhood Search. Expert Systems With Applications, 2012, 39, 5739-5747.	4.4	5
154	Multiple depot vehicle and crew scheduling with time windows for scheduled trips. Public Transport, 2012, 3, 213-244.	1.7	47
155	Separating valid odd-cycle and odd-set inequalities for the multiple depot vehicle scheduling problem. EURO Journal on Computational Optimization, 2013, 1, 283-312.	1.5	4
157	Recent progress of local search in handling the time window constraints of the vehicle routing problem. Annals of Operations Research, 2013, 204, 171-187.	2.6	12
158	Ship routing and scheduling in the new millennium. European Journal of Operational Research, 2013, 228, 467-483.	3.5	443
159	Dynamic approach to solve the daily drayage problem with transit time uncertainty. Computers in Industry, 2013, 64, 165-175.	5.7	37
160	Formulation and heuristic algorithms for multi-chip module substrate testing. Computers and Electrical Engineering, 2013, 39, 1049-1060.	3.0	3
161	Combining Column Generation and Metaheuristics. Studies in Computational Intelligence, 2013, , 285-334.	0.7	13
162	Solving a robust airline crew pairing problem with column generation. Computers and Operations Research, 2013, 40, 815-830.	2.4	47
163	Efficient approximation algorithms for the routing open shop problem. Computers and Operations Research, 2013, 40, 841-847.	2.4	21
164	Lifecycle-Based Swarm Optimization for Constrained Problem of Engineering. Applied Mechanics and Materials, 2013, 281, 710-714.	0.2	2
165	Constraint Programming-based Column Generation. Annals of Operations Research, 2013, 204, 11-32.	2.6	9
166	Column Generation for a Multitrip Vehicle Routing Problem with Time Windows, Driver Work Hours, and Heterogeneous Fleet. Mathematical Problems in Engineering, 2013, 2013, 1-13.	0.6	14

#	Article	IF	Citations
167	New integer linear programming formulation for the traveling salesman problem with time windows: minimizing tour duration with waiting times. Optimization, 2013, 62, 1309-1319.	1.0	12
168	Strategies for Handling Temporal Uncertainty in Pickup and Delivery Problems with Time Windows. SSRN Electronic Journal, 2014, , .	0.4	0
169	Solving Large Distribution Problems in Supply Chain Networks by a Column Generation Approach. International Journal of Operations Research and Information Systems, 2014, 5, 50-80.	1.0	4
170	Logical reconfiguration of reconfigurable manufacturing systems with stream of variations modelling: a stochastic two-stage programming and shortest path model. International Journal of Production Research, 2014, 52, 1401-1418.	4.9	16
171	A heuristic algorithm to VRP with the consideration of customers' service preference. , 2014, , .		1
172	The shared-taxi problem: Formulation and solution methods. Transportation Research Part B: Methodological, 2014, 70, 303-318.	2.8	143
173	Pricing routines for vehicle routing with time windows on road networks. Computers and Operations Research, 2014, 51, 331-337.	2.4	31
174	Efficient upper and lower bounding methods for flowshop sequence-dependent group scheduling problems. European Journal of Industrial Engineering, 2014, 8, 366.	0.5	16
175	Stochastic Optimal Path Problem with Relays. Transportation Research Procedia, 2015, 7, 129-148.	0.8	4
176	Efficient Insertion Heuristics for Multitrip Vehicle Routing Problem with Time Windows and Shift Time Limits. Transportation Research Record, 2015, 2477, 27-39.	1.0	6
178	Stochastic optimal path problem with relays. Transportation Research Part C: Emerging Technologies, 2015, 59, 48-65.	3.9	4
179	Timing problems and algorithms: Time decisions for sequences of activities. Networks, 2015, 65, 102-128.	1.6	37
180	A branch-and-price method for a ship routing and scheduling problem with cargo coupling and synchronization constraints. EURO Journal on Transportation and Logistics, 2015, 4, 421-443.	1.3	11
181	An Efficient Genetic Algorithm for Large Scale Vehicle Routing Problem Subject to Precedence Constraints. Procedia, Social and Behavioral Sciences, 2015, 195, 1922-1931.	0.5	17
182	Comparison of heuristic methods for the design of edge disjoint circuits. Computer Communications, 2015, 61, 90-102.	3.1	1
183	Approximation Algorithms for Min-Max Cycle Cover Problems. IEEE Transactions on Computers, 2015, 64, 600-613.	2.4	53
184	Minimizing total completion time in the flexible flowshop sequence-dependent group scheduling problem. Annals of Operations Research, 2015, 226, 351-377.	2.6	20
185	The robust crew pairing problem: model and solution methodology. Journal of Global Optimization, 2015, 62, 29-54.	1.1	12

#	Article	IF	Citations
186	Ship Routing with Pickup and Delivery for a Maritime Oil Transportation System: MIP Model and Heuristics. Systems, 2016, 4, 31.	1.2	16
187	MODELING AND SOLVING A RICH VEHICLE ROUTING PROBLEM FOR THE DELIVERY OF GOODS IN URBAN AREAS. Pesquisa Operacional, 2016, 36, 421-446.	0.1	4
188	New model for a variant of pick up and delivery problem. , 2016, , .		8
189	A dynamic constraint aggregation based solution approach for monthly aircrew pairing problem. , 2016, , .		0
190	On routing algorithms for open marketplaces of path services. , 2016, , .		2
191	Shippersâ€™ collaboration in city logistics. IFAC-PapersOnLine, 2016, 49, 1880-1885.	0.5	9
192	A GRASP Ã— ILS for the vehicle routing problem with time windows, synchronization and precedence constraints. Expert Systems With Applications, 2016, 66, 274-294.	4.4	65
193	Optimal allocation of emergency medical resources in a mass casualty incident: Patient prioritization by column generation. European Journal of Operational Research, 2016, 252, 623-634.	3.5	76
194	Tools for primal degenerate linear programs: IPS, DCA, and PE. EURO Journal on Transportation and Logistics, 2016, 5, 161-204.	1.3	5
195	Airline crew scheduling: models, algorithms, and data sets. EURO Journal on Transportation and Logistics, 2017, 6, 111-137.	1.3	76
196	The Vehicle Scheduling Problem for Fleets with Alternative-Fuel Vehicles. Transportation Science, 2017, 51, 441-456.	2.6	40
197	Dynamic Programming for the Minimum Tour Duration Problem. Transportation Science, 2017, 51, 549-565.	2.6	24
198	Dynamic traffic routing in a network with adaptive signal control. Transportation Research Part C: Emerging Technologies, 2017, 85, 64-85.	3.9	53
199	Integral simplex using decomposition with primal cutting planes. Mathematical Programming, 2017, 166, 327-367.	1.6	5
200	Empirical analysis for the VRPTW with a multigraph representation for the road network. Computers and Operations Research, 2017, 88, 103-116.	2.4	45
201	A traveling salesman problem with pickups and deliveries, time windows and draft limits: Case study from chemical shipping. Computers and Operations Research, 2017, 77, 20-31.	2.4	29
202	Fleet routing and scheduling problem based on constraints of chance. Advances in Mechanical Engineering, 2017, 9, 168781401774302.	0.8	6
203	Platoon coordination with time windows: an operational perspective. Transportation Research Procedia, 2017, 27, 357-364.	0.8	8

#	Article	IF	Citations
204	Design of mass customized paratransit services. , 2017, , .		0
205	A two-phase approach to solve the synchronized binâ€“forklift scheduling problem. Journal of Intelligent Manufacturing, 2018, 29, 651-657.	4.4	7
206	Strategies for Handling Temporal Uncertainty in Pickup and Delivery Problems with Time Windows. Transportation Science, 2018, 52, 3-19.	2.6	24
207	An Integer Programming Model For Solving Heterogeneous Vehicle Routing Problem With Hard Time Window considering Service Choice. IOP Conference Series: Materials Science and Engineering, 2018, 300, 012023.	0.3	3
208	A matheuristic for transfer synchronization through integrated timetabling and vehicle scheduling. Transportation Research Part B: Methodological, 2018, 109, 128-149.	2.8	55
209	An advanced GRASP-HGA combination to solve a multi-period Pickup and Delivery Problem. Expert Systems With Applications, 2018, 105, 262-272.	4.4	14
210	A new two-stage heuristic for the recreational vehicle scheduling problem. Computers and Operations Research, 2018, 91, 59-78.	2.4	5
211	Multi-Period Pickup and Delivery Problem with Time Windows and Paired Demands. , 2018, , .		0
212	Efficient and Easy-to-Implement Mixed-Integer Linear Programs for the Traveling Salesperson Problem with Time Windows. Transportation Research Procedia, 2018, 30, 157-166.	0.8	9
213	A Robust Pickup and Delivery Problem with Uncertain Travel Time. , 2018, , .		1
214	Multiple depot vehicle scheduling with controlled trip shifting. Transportation Research Part B: Methodological, 2018, 113, 34-53.	2.8	24
215	Integer Optimization Model for a Logistic System based on Location-Routing Considering Distance and Chosen Route. IOP Conference Series: Materials Science and Engineering, 2018, 300, 012085.	0.3	0
216	Improving Air Crew Rostering by Considering Crew Preferences in the Crew Pairing Problem. Transportation Science, 2020, 54, 97-114.	2.6	26
217	Optimization Model for a Location-Allocation-Routing in a Periodic Distribution Network. Journal of Physics: Conference Series, 2019, 1255, 012050.	0.3	2
218	A Network Architecture for High Volume Data Collection in Agricultural Applications. , 2019, , .		7
219	A New Compact Formulation for the Daily Crew Pairing Problem. Transportation Science, 0, , .	2.6	2
220	Ship Traffic Optimization for the Kiel Canal. Operations Research, 2019, 67, 791-812.	1.2	30
221	Optimizing schoolsâ€™ start time and bus routes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5943-5948.	3.3	36

#	Article	IF	Citations
222	A hybrid large-neighborhood search algorithm for the cumulative capacitated vehicle routing problem with time-window constraints. Applied Soft Computing Journal, 2019, 80, 18-30.	4.1	46
223	Computing a Minimal Set of t-Spanning Motion Primitives for Lattice Planners. , 2019, , .		5
224	Real-time distributed non-myopic task selection for heterogeneous robotic teams. Autonomous Robots, 2019, 43, 789-811.	3.2	9
225	Efficient Insertion Heuristic Algorithms for Multi-Trip Inventory Routing Problem with Time Windows, Shift Time Limits and Variable Delivery Time. Networks and Spatial Economics, 2019, 19, 331-379.	0.7	10
226	A lexicographic approach for the bi-objective selective pickup and delivery problem with time windows and paired demands. Annals of Operations Research, 2019, 273, 237-255.	2.6	17
227	Mass Customizing Paratransit Services With a Ridesharing Option. IEEE Transactions on Engineering Management, 2020, 67, 234-245.	2.4	3
228	Dynamic Discretization Discovery for Solving the Time-Dependent Traveling Salesman Problem with Time Windows. Transportation Science, 2020, 54, 703-720.	2.6	39
229	A branch-and-price heuristic for the crew pairing problem with language constraints. European Journal of Operational Research, 2020, 283, 1040-1054.	3.5	19
230	A Column Generation-Based Heuristic for the Split Delivery Vehicle Routing Problem with Time Windows. SN Operations Research Forum, 2020, 1, 1.	0.6	4
231	Multi-UAV Surveillance With Minimum Information Idleness and Latency Constraints. IEEE Robotics and Automation Letters, 2020, 5, 4812-4819.	3.3	29
232	Data-driven marketing for growth and profitability. EuroMed Journal of Business, 2021, 16, 381-398.	1.7	26
233	A study on flow decomposition methods for scheduling of electric buses in public transport based on aggregated timeâ€“space network models. Central European Journal of Operations Research, 2022, 30, 883-919.	1.1	17
234	A Joint Decision-Making Approach for Tomato Picking and Distribution Considering Postharvest Maturity. Agronomy, 2020, 10, 1330.	1.3	2
235	Dynamic Constraint Aggregation for Solving Very Large-scale Airline Crew Pairing Problems. SN Operations Research Forum, 2020, 1, 1.	0.6	5
236	Variable Fixing for Two-Arc Sequences in Branch-Price-and-Cut Algorithms on Path-Based Models. Transportation Science, 2020, 54, 1170-1188.	2.6	12
237	Urban Regional Logistics Distribution Path Planning Considering Road Characteristics. Discrete Dynamics in Nature and Society, 2020, 2020, 1-15.	0.5	2
238	Battery-electric transit vehicle scheduling with optimal number of stationary chargers. Transportation Research Part C: Emerging Technologies, 2020, 114, 118-139.	3.9	81
239	Bus Routing Optimization Helps Boston Public Schools Design Better Policies. Interfaces, 2020, 50, 37-49.	1.6	8

#	Article	IF	Citations
240	Joint Routing and Scheduling of Mobile Charging Infrastructure for V2V Energy Transfer. IEEE Transactions on Intelligent Vehicles, 2021, 6, 736-746.	9.4	16
241	Waste Collection of Touristics Services Sector Residues Vehicle Routing Problem with Time Windows to an Industrial Polygon in a Smart City. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 117-130.	0.3	0
242	Agriculture fleet vehicle routing: AÂdecentralised and dynamic problem. AI Communications, 2021, 34, 55-71.	0.8	6
243	Using a Ladder of Seeps With Computer Decision Processes to Explore for and Evaluate Cold Seeps on the Costa Rica Active Margin. Frontiers in Earth Science, 2021, 9, .	0.8	1
244	A GRASP-ALNS combination for robust pickup and delivery problem. International Journal of Production Research, 2022, 60, 3809-3828.	4.9	2
245	Cooperative planning for multi-site asteroid visual coverage. Advanced Robotics, 2021, 35, 1332-1346.	1.1	3
246	Selective routing problem with synchronization. Computers and Operations Research, 2021, 135, 105465.	2.4	0
247	Multi-Depot Split-Delivery Vehicle Routing Problem. IEEE Access, 2021, 9, 112206-112220.	2.6	5
249	Multicommodity Flow Problems. , 2001, , 1583-1591.		8
250	Linear Time Approximation Schemes for Vehicle Scheduling. Lecture Notes in Computer Science, 2002, , 30-39.	1.0	3
251	On the Complexity of Train Assignment Problems. Lecture Notes in Computer Science, 2001, , 390-402.	1.0	12
252	An Experimental Study of a Simple Ant Colony System for the Vehicle Routing Problem with Time Windows. Lecture Notes in Computer Science, 2002, , 53-64.	1.0	8
253	Branch and Price: Integer Programming with Column Generation. , 2008, , 328-332.		1
254	Comprehensive Review of the Dispatching, Scheduling and Routing of AGVs. Lecture Notes in Electrical Engineering, 2015, , 505-514.	0.3	15
255	Stabilization Issues for Constraint Programming Based Column Generation. Lecture Notes in Computer Science, 2004, , 402-408.	1.0	10
256	Reformulation and Decomposition of Integer Programs. , 2010, , 431-502.		77
257	Models for Line Planning in Public Transport. , 2008, , 363-378.		26
258	Ship Routing Scheduling with Persistence and Distance Objecives. Lecture Notes in Economics and Mathematical Systems, 2009, , 89-107.	0.3	4

#	Article	IF	Citations
261	SearchCol: Metaheuristic Search by Column Generation. Lecture Notes in Computer Science, 2010, , 190-205.	1.0	10
262	Models and Algorithms for the Train Unit Assignment Problem. Lecture Notes in Computer Science, 2012, , 24-35.	1.0	7
263	Location and Routing Models for Emergency Response Plans with Priorities. Communications in Computer and Information Science, 2012, , 129-140.	0.4	49
264	Integer Multicommodity Flow Problems. Lecture Notes in Economics and Mathematical Systems, 1997, , 17-31.	0.3	13
265	Crew Pairing for a Regional Carrier. Lecture Notes in Economics and Mathematical Systems, 1999, , 19-41.	0.3	17
266	Some experiments with a savings heuristic and a tabu search approach for the vehicle routing problem with multiple deliverymen. Pesquisa Operacional, 2012, 32, 443-463.	0.1	7
267	Comparison Study on Algorithms for Vehicle Routing Problem with Time Windows. IEEE International Conference on Industrial Engineering and Engineering Management, 2015, , 257-260.	0.1	7
268	Estimation of Fleet Size for Variable Bus Schedules. , 0, .		2
269	Train-Scheduling Optimization Model for Railway Networks with Multiplatform Stations. Sustainability, 2020, 12, 257.	1.6	7
270	Maritime Logistics. Advances in Logistics, Operations, and Management Science Book Series, 2016, , 361-384.	0.3	5
271	Computing the Threshold for q-Gram Filters. Lecture Notes in Computer Science, 2002, , 348-357.	1.0	5
272	Distribution Planning with Specific Delivery Time Restrictions for the Handling of Electronic Customer Orders in Food- / Non-Food Retail Trade. Lecture Notes in Economics and Mathematical Systems, 2002, , 149-162.	0.3	1
273	A Parallel Approach to the Pricing Step in Crew Scheduling Problems. Operations Research Proceedings: Papers of the Annual Meeting = VortrÃge Der Jahrestagung / DGOR, 2004, , 165-172.	0.1	0
275	An Adaptive MO-HGA for Resource-Constrained Transport Task Scheduling. Lecture Notes in Computer Science, 2009, , 1041-1052.	1.0	0
276	An efficient MIP model for locomotive routing and scheduling. WIT Transactions on the Built Environment, 2010, , .	0.0	1
277	Decomposition Techniques for Hybrid MILP/CP Models applied to Scheduling and Routing Problems. Springer Optimization and Its Applications, 2011, , 135-167.	0.6	1
278	Tourenplanung. , 2012, , 143-185.		0
279	Review of the Literature Related to the Considered RDOPG Applications. Contributions To Management Science, 2013, , 93-147.	0.4	0

#	Article	IF	Citations
280	Metaheuristics for the Pick-Up and Delivery Problem with Contracted Orders. Lecture Notes in Computer Science, 2014, , 170-181.	1.0	0
281	Crew Scheduling and Rostering Problems in Railway Applications. , 1998, , 228-243.		0
282	Solving Stochastic Ship Fleet Routing Problems with Inventory Management Using Branch and Price. Springer Optimization and Its Applications, 2016, , 141-165.	0.6	12
283	Solving the Routing Problems with Time Windows. Studies in Computational Intelligence, 2016, , 207-236.	0.7	2
284	An Analysis of the Taxi-Sharing Organizing and Pricing. Lecture Notes in Electrical Engineering, 2018, , 263-276.	0.3	0
285	Electric Vehicle Schedulingâ€"A Study on Charging Modeling for Electric Vehicles. Operations Research Proceedings: Papers of the Annual Meeting = VortrÄge Der Jahrestagung / DGOR, 2018, , 653-658.	0.1	2
286	A mixed integer programming model for a continuous move transportation problem with service constraints. Innovaciones De Negocios, 2017, 7, .	0.1	0
288	Electric bus planning & scheduling: A review of related problems and methodologies. European Journal of Operational Research, 2022, 301, 395-413.	3.5	72
289	The Traveling Salesman Problem, the Vehicle Routing Problem, and Their Impact on Combinatorial Optimization. , 0, , 342-352.		0
290	Maritime Logistics. , 0, , 822-845.		4
292	Vehicle Routing. , 2008, , 4019-4022.		2
293	Improving Column Generation for Vehicle Routing Problems via Random Coloring and Parallelization. INFORMS Journal on Computing, 2022, 34, 953-973.	1.0	3
294	An exact solution approach for an electric bus dispatch problem. Transportation Research, Part E: Logistics and Transportation Review, 2021, 156, 102528.	3.7	14
295	An Exact Method for the Multi-Depot Electric Bus Scheduling Problem in Time Windows. SSRN Electronic Journal, 0, , .	0.4	1
296	VRP variants applicable to collecting donations and similar problems: A taxonomic review. Computers and Industrial Engineering, 2022, 164, 107887.	3.4	11
297	A Simheuristic Approach for Robust Scheduling of Airport Turnaround Teams. , 2020, , .		8
298	Unconstrained binary models of the travelling salesman problem variants for quantum optimization. Quantum Information Processing, 2022, 21, 1.	1.0	20
299	The Column Generatiion and Traiin Crew Scheduliing. Communications - Scientific Letters of the University of Zilina, 2016, 18, 21-27.	0.3	5

#	Article	IF	Citations
300	Pick-Up and Delivery Problem for Sequentially Consolidated Urban Transportation with Mixed and Multi-Puprope Vehicle Fleet. Journal of Advanced Transportation, 2022, 2022, 1-18.	0.9	2
301	An efficient model-based branch-and-price algorithm for unrelated-parallel machine batching and scheduling problems. Journal of Scheduling, 2022, 25, 589-621.	1.3	1
302	Vehicle Routing. , 2001, , 2692-2695.		0
303	Vehicle Scheduling. , 2001, , 2695-2700.		0
304	Vehicle Scheduling. , 2008, , 4027-4032.		1
305	Feeder routing for air-to-air refueling operations. European Journal of Operational Research, 2023, 304, 779-796.	3.5	6
306	Optimization models for fair horizontal collaboration in demand-responsive transportation. Transportation Research Part C: Emerging Technologies, 2022, 140, 103725.	3.9	6
307	A graph algorithm for the time constrained shortest path. Connection Science, 2022, 34, 1500-1518.	1.8	0
308	Robust and Cost-Efficient Integrated Multiple Depot Vehicle and Crew Scheduling with Controlled Trip Shifting. Transportation Science, 0, , .	2.6	3
309	An exact approach for the multi-depot electric bus scheduling problem with time windows. European Journal of Operational Research, 2023, 306, 189-206.	3.5	12
310	Approximate solution of the shortest path problem with resource constraints and applications to vehicle routing problems. Electronic Research Archive, 2023, 31, 615-632.	0.4	0
311	The Neural-Prediction based Acceleration Algorithm of Column Generation for Graph-Based Set Covering Problems. , 2022, , .		3
312	Asymmetric probabilistic minimum-cost hamiltonian cycle problem considering arc and vertex failures. Computers and Operations Research, 2022, , 106084.	2.4	0
313	Scheduling method for pairing night-shift and morning-shift duties on metro lines with complex structure. Transportmetrica A: Transport Science, 2024, 20, .	1.3	1
314	Electric Vehicle Fleets: Scalable Route and Recharge Scheduling Through Column Generation. Transportation Science, 2023, 57, 631-646.	2.6	2
317	An Improved Genetic Algorithm for Vehicle Routing Problem with Time Windows Considering Temporal-Spatial Distance. Lecture Notes in Computer Science, 2023, , 397-409.	1.0	0
321	Solving Capacitated and Time-constrained Vehicle Routing Problems by Deep Reinforcement Learning-based Method. , 2023, , .		0