

Teodor Gabriel Crainic

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

188
papers

9,364
citations

50
h-index

91
g-index

191
ext. papers

10,809
ext. citations

3.6
avg, IF

6.63
L-index

#	Paper	IF	Citations
188	A taxonomy of multilayer network design and a survey of transportation and telecommunication applications. <i>European Journal of Operational Research</i> , 2022 ,	5.6	3
187	Tactical capacity planning in an integrated multi-stakeholder freight transportation system. <i>Omega</i> , 2022 , 110, 102628	7.2	1
186	Partial Benders Decomposition: General Methodology and Application to Stochastic Network Design. <i>Transportation Science</i> , 2021 , 55, 414-435	4.4	8
185	Scheduled service network design with revenue management considerations and an intermodal barge transportation illustration. <i>European Journal of Operational Research</i> , 2021 ,	5.6	2
184	A multi-commodity two-Echelon capacitated vehicle routing problem with time windows: Model formulations and solution approach. <i>Computers and Operations Research</i> , 2021 , 127, 105154	4.6	7
183	A reduced cost-based restriction and refinement matheuristic for stochastic network design problem. <i>Journal of Heuristics</i> , 2021 , 27, 325-351	1.9	1
182	Multi-objective optimization of a two-echelon vehicle routing problem with vehicle synchronization and grey zone customers arising in urban logistics. <i>European Journal of Operational Research</i> , 2021 , 289, 940-958	5.6	23
181	A two-echelon location-routing problem with synchronisation. <i>Journal of the Operational Research Society</i> , 2021 , 72, 145-160	2	6
180	Multi-period bin packing model and effective constructive heuristics for corridor-based logistics capacity planning. <i>Computers and Operations Research</i> , 2021 , 132, 105308	4.6	5
179	Scheduled service network design with resource management for two-tier multimodal city logistics. <i>European Journal of Operational Research</i> , 2021 , 294, 558-570	5.6	9
178	Node-based Lagrangian relaxations for multicommodity capacitated fixed-charge network design. <i>Discrete Applied Mathematics</i> , 2021 ,	1	1
177	Scheduled service network design with quality targets and stochastic travel times. <i>European Journal of Operational Research</i> , 2021 , 288, 30-46	5.6	5
176	Service Network Design for Freight Railroads 2021 , 464-470		
175	Block planning for intermodal rail: Methodology and case study. <i>Transportation Research Procedia</i> , 2020 , 47, 19-26	2.4	3
174	Introduction to the Special Section: Urban Freight Transportation and Logistics. <i>Transportation Science</i> , 2020 , 54, 565-566	4.4	
173	The Benders Dual Decomposition Method. <i>Operations Research</i> , 2020 , 68, 878-895	2.3	8
172	Integrating Resource Management in Service Network Design for Bike-Sharing Systems. <i>Transportation Science</i> , 2020 , 54, 1251-1271	4.4	4

171	Planning hyperconnected, urban logistics systems. <i>Transportation Research Procedia</i> , 2020 , 47, 35-42	2.4	5
170	A Learning-Based Matheuristic for Stochastic Multicommodity Network Design. <i>INFORMS Journal on Computing</i> , 2020 ,	2.4	1
169	Scheduled service network design with resource acquisition and management under uncertainty. <i>Transportation Research Part B: Methodological</i> , 2019 , 128, 324-343	7.2	8
168	A Branch-and-Cut-and-Price algorithm for the Multi-trip Separate Pickup and Delivery Problem with Time Windows at Customers and Facilities. <i>European Journal of Operational Research</i> , 2019 , 279, 824-839 ^{5.6}	5.6	13
167	Stochastic Network Design for Planning Scheduled Transportation Services: The Value of Deterministic Solutions. <i>INFORMS Journal on Computing</i> , 2019 , 31, 153-170	2.4	15
166	Branch-and-PriceBased Algorithms for the Two-Echelon Vehicle Routing Problem with Time Windows. <i>Transportation Science</i> , 2019 , 53, 463-479	4.4	30
165	Accelerating the Benders Decomposition Method: Application to Stochastic Network Design Problems. <i>SIAM Journal on Optimization</i> , 2018 , 28, 875-903	2	24
164	Scheduled service network design with resource acquisition and management. <i>EURO Journal on Transportation and Logistics</i> , 2018 , 7, 277-309	2.4	15
163	Multi-commodity location-routing: Flow intercepting formulation and branch-and-cut algorithm. <i>Computers and Operations Research</i> , 2018 , 89, 94-112	4.6	25
162	Simulation of a City Logistics Solution for Montreal 2018 , 47-63		1
161	A Study on Travel Time Stochasticity in Service Network Design with Quality Targets. <i>Lecture Notes in Computer Science</i> , 2018 , 401-416	0.9	2
160	The impact of filtering in a branch-and-cut algorithm for multicommodity capacitated fixed charge network design. <i>EURO Journal on Computational Optimization</i> , 2018 , 6, 143-184	1.2	3
159	Simulation of intermodal freight transportation systems: a taxonomy. <i>European Journal of Operational Research</i> , 2018 , 270, 401-418	5.6	84
158	Parallel Metaheuristic Search 2018 , 809-847		
157	A Benders Decomposition Approach for the Symmetric TSP with Generalized Latency Arising in the Design of Semiflexible Transit Systems. <i>Transportation Science</i> , 2017 , 51, 706-722	4.4	7
156	Multi-trip pickup and delivery problem with time windows and synchronization. <i>Annals of Operations Research</i> , 2017 , 253, 899-934	3.2	24
155	From Managing Urban Freight to Smart City Logistics Networks. <i>Series on Computers and Operations Research</i> , 2017 , 143-188		26
154	The Benders decomposition algorithm: A literature review. <i>European Journal of Operational Research</i> , 2017 , 259, 801-817	5.6	271

153	The Impact of Combining Inbound and Outbound Demand in City Logistics Systems 2017 ,		2
152	Commodity Representations and Cut-Set-Based Inequalities for Multicommodity Capacitated Fixed-Charge Network Design. <i>Transportation Science</i> , 2017 , 51, 650-667	4.4	25
151	Collaboration partner selection for city logistics planning under municipal freight regulations. <i>Applied Mathematical Modelling</i> , 2016 , 40, 510-525	4.5	36
150	Logistics capacity planning: A stochastic bin packing formulation and a progressive hedging meta-heuristic. <i>European Journal of Operational Research</i> , 2016 , 253, 404-417	5.6	30
149	A cycle-based evolutionary algorithm for the fixed-charge capacitated multi-commodity network design problem. <i>European Journal of Operational Research</i> , 2016 , 253, 265-279	5.6	21
148	Transportation in supply chain management: recent advances and research prospects. <i>International Journal of Production Research</i> , 2016 , 54, 403-404	7.8	5
147	Synchronized Multi-trip Multi-traffic Pickup & Delivery in City Logistics. <i>Transportation Research Procedia</i> , 2016 , 12, 26-39	2.4	12
146	Modeling Demand Uncertainty in Two-Tier City Logistics Tactical Planning. <i>Transportation Science</i> , 2016 , 50, 559-578	4.4	23
145	Service Network Design with Resource Constraints. <i>Transportation Science</i> , 2016 , 50, 1380-1393	4.4	49
144	Physical Internet Enabled Hyperconnected City Logistics. <i>Transportation Research Procedia</i> , 2016 , 12, 383-398	2.4	103
143	An adaptive large-neighborhood search heuristic for a multi-period vehicle routing problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 95, 95-123	9	34
142	Time-window relaxations in vehicle routing heuristics. <i>Journal of Heuristics</i> , 2015 , 21, 329-358	1.9	30
141	An integrative cooperative search framework for multi-decision-attribute combinatorial optimization: Application to the MDPVRP. <i>European Journal of Operational Research</i> , 2015 , 246, 400-412	5.6	16
140	Parallel Local Search to schedule communicating tasks on identical processors. <i>Parallel Computing</i> , 2015 , 48, 1-14	1	5
139	Modeling dry-port-based freight distribution planning. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 55, 518-534	8.4	58
138	Solution integration in combinatorial optimization with applications to cooperative search and rich vehicle routing. <i>Journal of Heuristics</i> , 2015 , 21, 663-685	1.9	4
137	Strategic analysis of the dairy transportation problem. <i>Journal of the Operational Research Society</i> , 2015 , 66, 44-56	2	17
136	A column generation approach for a multi-attribute vehicle routing problem. <i>European Journal of Operational Research</i> , 2015 , 241, 888-906	5.6	28

135	Cutting-Plane Metaheuristic for Service Network Design with Design-Balanced Requirements. <i>Transportation Science</i> , 2015 , 49, 99-113	4.4	25
134	Fleet-sizing for multi-depot and periodic vehicle routing problems using a modular heuristic algorithm. <i>Computers and Operations Research</i> , 2015 , 53, 9-23	4.6	37
133	A branch-and-price approach for a multi-period vehicle routing problem. <i>Computers and Operations Research</i> , 2015 , 55, 167-184	4.6	37
132	Multi-Zone Multi-Trip Vehicle Routing Problem with Time Windows. <i>Infor</i> , 2015 , 53, 49-67	0.5	5
131	Timing problems and algorithms: Time decisions for sequences of activities. <i>Networks</i> , 2015 , 65, 102-128	1.6	32
130	A cooperative parallel metaheuristic for the capacitated vehicle routing problem. <i>Computers and Operations Research</i> , 2014 , 44, 33-41	4.6	45
129	A unified solution framework for multi-attribute vehicle routing problems. <i>European Journal of Operational Research</i> , 2014 , 234, 658-673	5.6	214
128	Scheduled Service Network Design for Freight Rail Transportation. <i>Operations Research</i> , 2014 , 62, 383-400	3.0	68
127	The stochastic bid generation problem in combinatorial transportation auctions. <i>European Journal of Operational Research</i> , 2014 , 236, 991-999	5.6	42
126	Implicit depot assignments and rotations in vehicle routing heuristics. <i>European Journal of Operational Research</i> , 2014 , 237, 15-28	5.6	35
125	Branch-and-price and beam search algorithms for the Variable Cost and Size Bin Packing Problem with optional items. <i>Annals of Operations Research</i> , 2014 , 222, 125-141	3.2	18
124	Performance Indicators for Planning Intermodal Barge Transportation Systems. <i>Transportation Research Procedia</i> , 2014 , 3, 621-630	2.4	11
123	Bin Packing Problems with Uncertainty on Item Characteristics: An Application to Capacity Planning in Logistics. <i>Procedia, Social and Behavioral Sciences</i> , 2014 , 111, 654-662		9
122	Service network design models for two-tier city logistics. <i>Optimization Letters</i> , 2014 , 8, 1375-1387	1.1	34
121	Scenario grouping in a progressive hedging-based meta-heuristic for stochastic network design. <i>Computers and Operations Research</i> , 2014 , 43, 90-99	4.6	52
120	A hybrid generational genetic algorithm for the periodic vehicle routing problem with time windows. <i>Journal of Heuristics</i> , 2014 , 20, 383-416	1.9	18
119	Designing Parallel Meta-Heuristic Methods. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , 2014 , 260-280	0.4	2
118	Planning and Optimization Methods for Advanced Urban Logistics Systems at Tactical Level. <i>Ecoproduction</i> , 2014 , 145-164	0.5	9

117	A three-phase matheuristic for capacitated multi-commodity fixed-cost network design with design-balance constraints. <i>Journal of Heuristics</i> , 2013 , 19, 757-795	1.9	24
116	A tabu search for Time-dependent Multi-zone Multi-trip Vehicle Routing Problem with Time Windows. <i>European Journal of Operational Research</i> , 2013 , 231, 43-56	5.6	70
115	A path relinking algorithm for a multi-depot periodic vehicle routing problem. <i>Journal of Heuristics</i> , 2013 , 19, 497-524	1.9	37
114	A hybrid genetic algorithm with adaptive diversity management for a large class of vehicle routing problems with time-windows. <i>Computers and Operations Research</i> , 2013 , 40, 475-489	4.6	294
113	An heuristic search for the routing of heterogeneous trucks with single and double container loads. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2013 , 56, 108-118	9	44
112	A survey on planning semi-flexible transit systems: Methodological issues and a unifying framework. <i>Transportation Research Part C: Emerging Technologies</i> , 2013 , 36, 324-338	8.4	51
111	Heuristics for multi-attribute vehicle routing problems: A survey and synthesis. <i>European Journal of Operational Research</i> , 2013 , 231, 1-21	5.6	266
110	Operations Research and Goods Transportation 2013 , 111-175		
109	A study of auction mechanisms for multilateral procurement based on subgradient and bundle methods. <i>Infor</i> , 2013 , 51, 2-14	0.5	1
108	GRASP with Path Relinking for the Two-Echelon Vehicle Routing Problem. <i>Operations Research/Computer Science Interfaces Series</i> , 2013 , 113-125	0.3	21
107	Single-commodity network design with random edge capacities. <i>European Journal of Operational Research</i> , 2012 , 220, 394-403	5.6	13
106	Integrating c2e and c2c Traffic into City Logistics Planning. <i>Procedia, Social and Behavioral Sciences</i> , 2012 , 39, 47-60		20
105	Impact of Generalized Travel Costs on Satellite Location in the Two-Echelon Vehicle Routing Problem. <i>Procedia, Social and Behavioral Sciences</i> , 2012 , 39, 195-204		33
104	Designing the master schedule for demand-adaptive transit systems. <i>Annals of Operations Research</i> , 2012 , 194, 151-166	3.2	18
103	Single source single-commodity stochastic network design. <i>Computational Management Science</i> , 2012 , 9, 139-160	1	19
102	MPI Parallelization of Variable Neighborhood Search. <i>Electronic Notes in Discrete Mathematics</i> , 2012 , 39, 241-248	0.3	9
101	The generalized bin packing problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012 , 48, 1205-1220	9	29
100	A parallel multi-neighborhood cooperative tabu search for capacitated vehicle routing problems. <i>European Journal of Operational Research</i> , 2012 , 222, 441-451	5.6	47

99	A Hybrid Genetic Algorithm for Multidepot and Periodic Vehicle Routing Problems. <i>Operations Research</i> , 2012 , 60, 611-624	2.3	350
98	Lower and upper bounds for the two-echelon capacitated location-routing problem. <i>Computers and Operations Research</i> , 2012 , 39, 3185-3199	4.6	97
97	An adaptive large neighborhood search heuristic for Two-Echelon Vehicle Routing Problems arising in city logistics. <i>Computers and Operations Research</i> , 2012 , 39, 3215-3228	4.6	271
96	Single-Commodity Network Design with Stochastic Demand and Multiple Sources and Sinks. <i>Infor</i> , 2011 , 49, 193-211	0.5	10
95	Efficient lower bounds and heuristics for the variable cost and size bin packing problem. <i>Computers and Operations Research</i> , 2011 , 38, 1474-1482	4.6	50
94	Progressive hedging-based metaheuristics for stochastic network design. <i>Networks</i> , 2011 , 58, 114-124	1.6	77
93	An efficient metaheuristic for multi-dimensional multi-container packing 2011 ,		11
92	Multi-start Heuristics for the Two-Echelon Vehicle Routing Problem. <i>Lecture Notes in Computer Science</i> , 2011 , 179-190	0.9	46
91	Branch and Price for Service Network Design with Asset Management Constraints. <i>Transportation Science</i> , 2011 , 45, 33-49	4.4	48
90	Parallel Meta-heuristics. <i>Profiles in Operations Research</i> , 2010 , 497-541	1	40
89	A Metaheuristic for a Two Echelon Location-Routing Problem. <i>Lecture Notes in Computer Science</i> , 2010 , 288-301	0.9	45
88	A metaheuristic for stochastic service network design. <i>Journal of Heuristics</i> , 2010 , 16, 653-679	1.9	38
87	Special issue on recent advances in metaheuristics. <i>Journal of Heuristics</i> , 2010 , 16, 235-237	1.9	6
86	Two-Echelon Vehicle Routing Problem: A satellite location analysis. <i>Procedia, Social and Behavioral Sciences</i> , 2010 , 2, 5944-5955		92
85	Towards a taxonomy of City Logistics projects. <i>Procedia, Social and Behavioral Sciences</i> , 2010 , 2, 6217-6228		66
84	Lagrangian-based decomposition algorithms for multicommodity network design problems with penalized constraints. <i>Networks</i> , 2010 , 55, 171-180	1.6	9
83	Multi-thread integrative cooperative optimization for rich combinatorial problems 2009 ,		15
82	Models and Tabu Search Metaheuristics for Service Network Design with Asset-Balance Requirements. <i>Transportation Science</i> , 2009 , 43, 158-177	4.4	80

81	Service network design with management and coordination of multiple fleets. <i>European Journal of Operational Research</i> , 2009 , 193, 377-389	5.6	95
80	Intelligent freight-transportation systems: Assessment and the contribution of operations research. <i>Transportation Research Part C: Emerging Technologies</i> , 2009 , 17, 541-557	8.4	157
79	Service network design with asset management: Formulations and comparative analyses. <i>Transportation Research Part C: Emerging Technologies</i> , 2009 , 17, 197-207	8.4	66
78	Improving the performance of rail yards through dynamic reassignments of empty cars. <i>Transportation Research Part C: Emerging Technologies</i> , 2009 , 17, 259-273	8.4	22
77	TS2PACK: A two-level tabu search for the three-dimensional bin packing problem. <i>European Journal of Operational Research</i> , 2009 , 195, 744-760	5.6	83
76	A Study of Demand Stochasticity in Service Network Design. <i>Transportation Science</i> , 2009 , 43, 144-157	4.4	121
75	The effect of multi-scenario policies on empty container repositioning. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2009 , 45, 758-770	9	64
74	Service Design Models for Rail Intermodal Transportation. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2009 , 53-67	0.4	10
73	Models for Evaluating and Planning City Logistics Systems. <i>Transportation Science</i> , 2009 , 43, 432-454	4.4	348
72	Parallel Solution Methods for Vehicle Routing Problems. <i>Operations Research/ Computer Science Interfaces Series</i> , 2008 , 171-198	0.3	15
71	City Logistics 2008 , 181-212		35
70	National Planning Models and Instruments. <i>Infor</i> , 2008 , 46, 299-308	0.5	6
69	A multilevel tabu search algorithm for the feature selection problem in biomedical data. <i>Computers and Mathematics With Applications</i> , 2008 , 55, 1019-1033	2.7	25
68	Explicit and Emergent Cooperation Schemes for Search Algorithms. <i>Lecture Notes in Computer Science</i> , 2008 , 95-109	0.9	15
67	Chapter 8 Intermodal Transportation. <i>Handbooks in Operations Research and Management Science</i> , 2007 , 467-537		157
66	Computing the asymptotic worst-case of bin packing lower bounds. <i>European Journal of Operational Research</i> , 2007 , 183, 1295-1303	5.6	13
65	Combinatorial auctions. <i>Annals of Operations Research</i> , 2007 , 153, 131-164	3.2	43
64	New bin packing fast lower bounds. <i>Computers and Operations Research</i> , 2007 , 34, 3439-3457	4.6	15

63	CORRELATIONS IN STOCHASTIC PROGRAMMING: A CASE FROM STOCHASTIC SERVICE NETWORK DESIGN. <i>Asia-Pacific Journal of Operational Research</i> , 2007 , 24, 161-179	0.8	20
62	Brief Overview of Intermodal Transportation 2007 , 28-1-28-16		3
61	A Scatter Search Heuristic for the Fixed-Charge Capacitated Network Design Problem 2007 , 25-40		7
60	A first multilevel cooperative algorithm for capacitated multicommodity network design. <i>Computers and Operations Research</i> , 2006 , 33, 2602-2622	4.6	48
59	Tackling electromog in completely configured 3G networks by parallel cooperative meta-heuristics. <i>IEEE Wireless Communications</i> , 2006 , 13, 34-41	13.4	23
58	Benchmark-problem instances for static scheduling of task graphs with communication delays on homogeneous multiprocessor systems. <i>Computers and Operations Research</i> , 2006 , 33, 2155-2177	4.6	37
57	The single-node dynamic service scheduling and dispatching problem. <i>European Journal of Operational Research</i> , 2006 , 170, 1-23	5.6	17
56	Parallel Tabu Search 2005 , 289-313		8
55	Parallel Metaheuristics Applications 2005 , 447-494		23
54	A cooperative parallel meta-heuristic for the vehicle routing problem with time windows. <i>Computers and Operations Research</i> , 2005 , 32, 1685-1708	4.6	142
53	Design for optimized multi-lateral multi-commodity markets. <i>European Journal of Operational Research</i> , 2005 , 163, 503-529	5.6	8
52	Models for bundle trading in financial markets. <i>European Journal of Operational Research</i> , 2005 , 160, 88-105	5.6	5
51	Parallel Computation, Co-operation, Tabu Search 2005 , 283-302		15
50	Meta-Heuristics for a Class of Demand-Responsive Transit Systems. <i>INFORMS Journal on Computing</i> , 2005 , 17, 10-24	2.4	16
49	Path Relinking, Cycle-Based Neighbourhoods and Capacitated Multicommodity Network Design. <i>Annals of Operations Research</i> , 2004 , 131, 109-133	3.2	80
48	Cooperative Parallel Variable Neighborhood Search for the p-Median. <i>Journal of Heuristics</i> , 2004 , 10, 293-314	1.9	107
47	A Slope Scaling/Lagrangean Perturbation Heuristic with Long-Term Memory for Multicommodity Capacitated Fixed-Charge Network Design. <i>Journal of Heuristics</i> , 2004 , 10, 525-545	1.9	57
46	A new bidding framework for combinatorial e-auctions. <i>Computers and Operations Research</i> , 2004 , 31, 1177-1203	4.6	17

45	Advanced freight transportation systems for congested urban areas. <i>Transportation Research Part C: Emerging Technologies</i> , 2004 , 12, 119-137	8.4	255
44	Systemic behavior of cooperative search algorithms. <i>Parallel Computing</i> , 2004 , 30, 57-79	1	27
43	Economies of Scale in Empty Freight Car Distribution in Scheduled Railways. <i>Transportation Science</i> , 2004 , 38, 121-134	4.4	59
42	Revue Des Inégalité Valides Pertinentes Aux Problèmes Des Conception De Réseaux. <i>Infor</i> , 2003 , 41, 5-33	0.5	
41	Organisation of truck-driver training for the transportation of dangerous goods in Europe and North America. <i>Accident Analysis and Prevention</i> , 2003 , 35, 191-200	6.1	14
40	Cycle-Based Neighbourhoods for Fixed-Charge Capacitated Multicommodity Network Design. <i>Operations Research</i> , 2003 , 51, 655-667	2.3	117
39	Long-Haul Freight Transportation 2003 , 451-516		69
38	Introduction to the Special Issue on Parallel Meta-Heuristics. <i>Journal of Heuristics</i> , 2002 , 8, 247-249	1.9	16
37	Cooperative Parallel Tabu Search for Capacitated Network Design. <i>Journal of Heuristics</i> , 2002 , 8, 601-627	1.9	70
36	Path Recovery/Reconstruction and Applications in Nonlinear Multimodal Multicommodity Networks. <i>Applied Optimization</i> , 2002 , 95-108		1
35	Bundle-based relaxation methods for multicommodity capacitated fixed charge network design. <i>Discrete Applied Mathematics</i> , 2001 , 112, 73-99	1	166
34	Branch-and-bound parallelization strategies applied to a depot location and container fleet management problem. <i>Parallel Computing</i> , 2000 , 26, 27-46	1	45
33	Global optimization properties of parallel cooperative search algorithms: A simulation study. <i>Parallel Computing</i> , 2000 , 26, 91-112	1	21
32	Service network design in freight transportation. <i>European Journal of Operational Research</i> , 2000 , 122, 272-288	5.6	375
31	A Simplex-Based Tabu Search Method for Capacitated Network Design. <i>INFORMS Journal on Computing</i> , 2000 , 12, 223-236	2.4	122
30	Multicommodity Capacitated Network Design 1999 , 1-19		52
29	Long-Haul Freight Transportation. <i>Profiles in Operations Research</i> , 1999 , 433-491	1	13
28	Towards an Evolutionary Method [Cooperating Multi-Thread Parallel Tabu Search Hybrid 1999 , 331-344		5

27	An Experimental Study of Systemic Behavior of Cooperative Search Algorithms 1999 , 373-392		10
26	Parallel Metaheuristics 1998 , 205-251		22
25	Planning models for freight transportation. <i>European Journal of Operational Research</i> , 1997 , 97, 409-438	5.6	316
24	A parallel branch-and-bound algorithm for multicommodity location with balancing requirements. <i>Computers and Operations Research</i> , 1997 , 24, 829-847	4.6	28
23	Synchronous tabu search parallelization strategies for multicommodity location-allocation with balancing requirements. <i>OR Spectrum</i> , 1995 , 17, 113-123	1.9	54
22	A branch-and-bound algorithm for depot location and container fleet management. <i>Location Science</i> , 1995 , 3, 39-53		33
21	Parallel Branch-and-Branch Algorithms: Survey and Synthesis. <i>Operations Research</i> , 1994 , 42, 1042-1066	2.3	227
20	Determining origin-destination matrices and optimal multiproduct flows for freight transportation over multimodal networks. <i>Transportation Research Part B: Methodological</i> , 1993 , 27, 351-368	7.2	20
19	Dual-Ascent Procedures for Multicommodity Location-Allocation Problems with Balancing Requirements. <i>Transportation Science</i> , 1993 , 27, 90-101	4.4	43
18	Dynamic and Stochastic Models for the Allocation of Empty Containers. <i>Operations Research</i> , 1993 , 41, 102-126	2.3	246
17	A branch-and-bound method for multicommodity location with balancing requirements. <i>European Journal of Operational Research</i> , 1993 , 65, 368-382	5.6	31
16	A tabu search procedure for multicommodity location/allocation with balancing requirements. <i>Annals of Operations Research</i> , 1993 , 41, 359-383	3.2	83
15	Improving Intercity Freight Routing with a Tactical Planning Model. <i>Interfaces</i> , 1992 , 22, 31-44	0.7	23
14	Design of Regular Intercity Driver Routes for the LTL Motor Carrier Industry. <i>Transportation Science</i> , 1992 , 26, 280-295	4.4	24
13	An interactive graphic approach for the integrated design of intercity transportation timetables and vehicle operations. <i>Computers and Operations Research</i> , 1992 , 19, 139-149	4.6	6
12	Shortest path algorithms: A computational study with the C programming language. <i>Computers and Operations Research</i> , 1991 , 18, 767-786	4.6	23
11	A Model for the Strategic Planning of National Freight Transportation by Rail. <i>Transportation Science</i> , 1990 , 24, 1-24	4.4	68
10	A Multimode Multiproduct Network Assignment Model for Strategic Planning of Freight Flows. <i>Transportation Science</i> , 1990 , 24, 25-39	4.4	125

9	Models for multimode multicommodity location problems with interdepot balancing requirements. <i>Annals of Operations Research</i> , 1989 , 18, 277-302	3.2	48
8	OR tools for tactical freight transportation planning. <i>European Journal of Operational Research</i> , 1988 , 33, 290-297	5.6	51
7	Survey Paper A Review of Empty Flows and Fleet Management Models in Freight Transportation. <i>Transportation Science</i> , 1987 , 21, 227-248	4.4	187
6	Multicommodity, multimode freight transportation: A general modeling and algorithmic framework for the service network design problem. <i>Transportation Research Part B: Methodological</i> , 1986 , 20, 225-242	7.2	129
5	Parallel Branch-and-Bound Algorithms1-28		29
4	Reduced cost-based variable fixing in two-stage stochastic programming. <i>Annals of Operations Research</i> ,1	3.2	9
3	Optimization Models for Transportation Systems Planning177-207		
2	Optimization Models for Transportation Systems Planning177-207		
1	Operations Research and Goods Transportation111-175		0