

Tolga Bektas

List of Publications by Citations

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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.

83

papers

5,078

citations

29

h-index

71

g-index

88

ext. papers

5,983

ext. citations

4.3

avg, IF

6.38

L-index

#	Paper	IF	Citations
83	The Pollution-Routing Problem. <i>Transportation Research Part B: Methodological</i> , 2011 , 45, 1232-1250	7.2	658
82	The multiple traveling salesman problem: an overview of formulations and solution procedures. <i>Omega</i> , 2006 , 34, 209-219	7.2	603
81	A review of recent research on green road freight transportation. <i>European Journal of Operational Research</i> , 2014 , 237, 775-793	5.6	461
80	An adaptive large neighborhood search heuristic for the Pollution-Routing Problem. <i>European Journal of Operational Research</i> , 2012 , 223, 346-359	5.6	369
79	The bi-objective Pollution-Routing Problem. <i>European Journal of Operational Research</i> , 2014 , 232, 464-478	5.6	297
78	A comparative analysis of several vehicle emission models for road freight transportation. <i>Transportation Research, Part D: Transport and Environment</i> , 2011 , 16, 347-357	6.4	239
77	The time-dependent pollution-routing problem. <i>Transportation Research Part B: Methodological</i> , 2013 , 56, 265-293	7.2	224
76	The fleet size and mix pollution-routing problem. <i>Transportation Research Part B: Methodological</i> , 2014 , 70, 239-254	7.2	174
75	Operational and environmental performance measures in a multi-product closed-loop supply chain. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2011 , 47, 532-546	9	143
74	Thirty years of heterogeneous vehicle routing. <i>European Journal of Operational Research</i> , 2016 , 249, 1-21	5.6	137
73	Integrated cellular manufacturing systems design with production planning and dynamic system reconfiguration. <i>European Journal of Operational Research</i> , 2009 , 192, 414-428	5.6	128
72	Modeling and optimizing the integrated problem of closed-loop supply chain network design and disassembly line balancing. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 61, 142-164	9	119
71	A note on the lifted Miller-Tucker-Zemlin subtour elimination constraints for the capacitated vehicle routing problem. <i>European Journal of Operational Research</i> , 2004 , 158, 793-795	5.6	105
70	The impact of depot location, fleet composition and routing on emissions in city logistics. <i>Transportation Research Part B: Methodological</i> , 2016 , 84, 81-102	7.2	98
69	Integer linear programming formulations of multiple salesman problems and its variations. <i>European Journal of Operational Research</i> , 2006 , 174, 1449-1458	5.6	98
68	The time-dependent two-echelon capacitated vehicle routing problem with environmental considerations. <i>International Journal of Production Economics</i> , 2015 , 164, 366-378	9.3	97
67	A hybrid evolutionary algorithm for heterogeneous fleet vehicle routing problems with time windows. <i>Computers and Operations Research</i> , 2015 , 64, 11-27	4.6	78

66	The role of operational research in green freight transportation. <i>European Journal of Operational Research</i> , 2019 , 274, 807-823	5.6	77
65	The fleet size and mix location-routing problem with time windows: Formulations and a heuristic algorithm. <i>European Journal of Operational Research</i> , 2016 , 248, 33-51	5.6	64
64	Formulations and Branch-and-Cut Algorithms for the Generalized Vehicle Routing Problem. <i>Transportation Science</i> , 2011 , 45, 299-316	4.4	61
63	A comparative review of 3D container loading algorithms. <i>International Transactions in Operational Research</i> , 2016 , 23, 287-320	2.9	59
62	Sustainability SI: Multimode Multicommodity Network Design Model for Intermodal Freight Transportation with Transfer and Emission Costs. <i>Networks and Spatial Economics</i> , 2016 , 16, 303-329	1.9	57
61	Exact algorithms for the joint object placement and request routing problem in content distribution networks. <i>Computers and Operations Research</i> , 2008 , 35, 3860-3884	4.6	56
60	Routing fleets with multiple driving ranges: Is it possible to use greener fleet configurations?. <i>Applied Soft Computing Journal</i> , 2014 , 21, 84-94	7.5	50
59	Designing cost-effective content distribution networks. <i>Computers and Operations Research</i> , 2007 , 34, 2436-2449	4.6	41
58	The green location-routing problem. <i>Computers and Operations Research</i> , 2019 , 105, 187-202	4.6	39
57	Requiem for the Miller-Tucker-Zemlin subtour elimination constraints?. <i>European Journal of Operational Research</i> , 2014 , 236, 820-832	5.6	37
56	Combinatorial Benders cuts for assembly line balancing problems with setups. <i>European Journal of Operational Research</i> , 2017 , 259, 527-537	5.6	37
55	Green Vehicle Routing. <i>Profiles in Operations Research</i> , 2016 , 243-265	1	30
54	From Managing Urban Freight to Smart City Logistics Networks. <i>Series on Computers and Operations Research</i> , 2017 , 143-188		26
53	An empirical investigation of advanced manufacturing technology investment patterns: Evidence from a developing country. <i>Journal of Engineering and Technology Management - JET-M</i> , 2013 , 30, 136-156	3.7	26
52	Formulations and Benders decomposition algorithms for multidepot salesmen problems with load balancing. <i>European Journal of Operational Research</i> , 2012 , 216, 83-93	5.6	25
51	Enabling a Freight Traffic Controller for Collaborative Multidrop Urban Logistics: Practical and Theoretical Challenges. <i>Transportation Research Record</i> , 2017 , 2609, 77-84	1.7	25
50	Path and Speed Optimization for Conflict-Free Pickup and Delivery Under Time Windows. <i>Transportation Science</i> , 2018 , 52, 739-755	4.4	23
49	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

48	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
47	A comparison of three idling options in long-haul truck scheduling. <i>Transportation Research Part B: Methodological</i> , 2016 , 93, 631-647	7.2	18
46	Route and speed optimization for autonomous trucks. <i>Computers and Operations Research</i> , 2018 , 100, 89-101	4.6	17
45	Dynamic Collection Scheduling Using Remote Asset Monitoring: Case Study in the UK Charity Sector. <i>Transportation Research Record</i> , 2013 , 2378, 65-72	1.7	15
44	Iterated local search for workforce scheduling and routing problems. <i>Journal of Heuristics</i> , 2017 , 23, 471-500	5.0	13
43	The Scope for Pavement Porters: Addressing the Challenges of Last-Mile Parcel Delivery in London. <i>Transportation Research Record</i> , 2018 , 2672, 184-193	1.7	13
42	Optimising parcel deliveries in London using dual-mode routing. <i>Journal of the Operational Research Society</i> , 2019 , 70, 998-1010	2	12
41	The congested multicommodity network design problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 85, 166-187	9	11
40	Improving collection efficiency through remote monitoring of charity assets. <i>Waste Management</i> , 2014 , 34, 273-80	8.6	11
39	Multicommodity flows and Benders decomposition for restricted continuous location problems. <i>European Journal of Operational Research</i> , 2018 , 266, 851-863	5.6	11
38	A multiperiod location-routing problem arising in the collection of Olive Oil Mill Wastewater. <i>Journal of the Operational Research Society</i> , 2016 , 67, 1012-1024	2	10
37	Optimal spare parts management for vessel maintenance scheduling. <i>Annals of Operations Research</i> , 2019 , 272, 323-353	3.2	9
36	Lagrangean-based decomposition algorithms for multicommodity network design problems with penalized constraints. <i>Networks</i> , 2010 , 55, 171-180	1.6	9
35	Minimizing energy and cost in range-limited drone deliveries with speed optimization. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 125, 102985	8.4	9
34	Disjunctive Programming for Multiobjective Discrete Optimisation. <i>INFORMS Journal on Computing</i> , 2018 , 30, 625-633	2.4	9
33	On separating cover inequalities for the multidimensional knapsack problem. <i>Computers and Operations Research</i> , 2007 , 34, 1771-1776	4.6	8
32	Combined maritime fleet deployment and inventory management with port visit flexibility in roll-on roll-off shipping. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020 , 140, 101988	9	6
31	Revisiting the Hamiltonian p-median problem: A new formulation on directed graphs and a branch-and-cut algorithm. <i>European Journal of Operational Research</i> , 2019 , 276, 40-64	5.6	6

30	Understanding the transport and CO2 impacts of on-demand meal deliveries: A London case study. <i>Cities</i> , 2021 , 108, 102973	5.6	6
29	Benders decomposition for the mixed no-idle permutation flowshop scheduling problem. <i>Journal of Scheduling</i> , 2020 , 23, 513-523	1.6	5
28	New path elimination constraints for multi-depot routing problems. <i>Networks</i> , 2017 , 70, 246-261	1.6	5
27	Look, here comes the library van! Optimising the timetable of the mobile library service on the Isle of Wight. <i>OR Insight</i> , 2011 , 24, 49-62		5
26	A Lagrangean relaxation and decomposition algorithm for the video placement and routing problem. <i>European Journal of Operational Research</i> , 2007 , 182, 455-465	5.6	5
25	Mathematical Models for Resource Management and Allocation in CDNs. <i>Lecture Notes in Electrical Engineering</i> , 2008 , 225-250	0.2	5
24	Balanced vehicle routing: Polyhedral analysis and branch-and-cut algorithm. <i>European Journal of Operational Research</i> , 2019 , 273, 452-463	5.6	5
23	Optimal vehicle routing with lower and upper bounds on route durations. <i>Networks</i> , 2015 , 65, 166-179	1.6	4
22	Matheuristics for solving a multi-attribute collection problem for a charity organisation. <i>Journal of the Operational Research Society</i> , 2015 , 66, 177-190	2	4
21	A modelling framework for solving restricted planar location problems using phi-objects. <i>Journal of the Operational Research Society</i> , 2016 , 67, 1080-1096	2	4
20	Balancing tour durations in routing a vehicle fleet 2013 ,		3
19	Optimised solutions to the last-mile delivery problem in London using a combination of walking and driving. <i>Annals of Operations Research</i> , 2020 , 295, 645-693	3.2	3
18	Green Network Design Problems 2019 , 169-206		3
17	Efficient computation of the Shapley value for large-scale linear production games. <i>Annals of Operations Research</i> , 2020 , 287, 761-781	3.2	3
16	Transformations of node-balanced routing problems. <i>Naval Research Logistics</i> , 2015 , 62, 370-387	1.5	2
15	Minimal Load Constrained Vehicle Routing Problems. <i>Lecture Notes in Computer Science</i> , 2005 , 188-195	0.9	2
14	Compact formulations for multi-depot routing problems: Theoretical and computational comparisons. <i>Computers and Operations Research</i> , 2020 , 124, 105084	4.6	2
13	Using β -norms for fairness in combinatorial optimisation. <i>Computers and Operations Research</i> , 2020 , 120, 104975	4.6	2

12	Addressing nodal constraints on the capacity of railways. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2017 , 231, 637-646	1.4	1
11	A New Formulation for the Combined Maritime Fleet Deployment and Inventory Management Problem. <i>Lecture Notes in Computer Science</i> , 2017 , 321-335	0.9	1
10	Collaborative Parcels Logistics via the Carrier-Carrier Operating Model. <i>Transportation Research Record</i> , 2020 , 2674, 384-393	1.7	1
9	Une heuristique de recherche avec tabous pour la conception de réseaux de distribution de contenu électronique. <i>Infor</i> , 2007 , 45, 175-185	0.5	1
8	Optimal driving for vehicle fuel economy under traffic speed uncertainty. <i>Transportation Research Part B: Methodological</i> , 2021 , 154, 175-206	7.2	1
7	Green Location Problems 2019 , 591-610		1
6	Node-based Lagrangian relaxations for multicommodity capacitated fixed-charge network design. <i>Discrete Applied Mathematics</i> , 2021 ,	1	1
5	Generalized minimum spanning tree games. <i>EURO Journal on Computational Optimization</i> , 2016 , 4, 167-188		0
4	CDN Modeling 2014 , 179-202		
3	Lagrangian-based solution approaches for the generalized problem of locating capacitated warehouses. <i>International Transactions in Operational Research</i> , 2008 , 15, 67-85	2.9	
2	A Hybrid Algorithm Based on Monte-Carlo Simulation for the Vehicle Routing Problem with Route Length Restrictions 122-135		
1	Green Routing of Freight Vehicles 2021 , 224-230		