# Tolga Bektas

List of Publications by Year
in descending order

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Version: 2024-02-01

| 85 | 6,786 | 126708 | 64668 |
|---|---|---|---|
| papers | citations | 33 | 79 |
| | | h-index | g-index |

| 88 | 88 | 88 | 4209 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Pollution-Routing Problem. Transportation Research Part B: Methodological, 2011, 45, 1232-1250. | 2.8 | 851 |
| 2 | The multiple traveling salesman problem: an overview of formulations and solution procedures. Omega, 2006, 34, 209-219. | 3.6 | 830 |
| 3 | A review of recent research on green road freight transportation. European Journal of Operational Research, 2014, 237, 775-793. | 3.5 | 595 |
| 4 | An adaptive large neighborhood search heuristic for the Pollution-Routing Problem. European Journal of Operational Research, 2012, 223, 346-359. | 3.5 | 508 |
| 5 | The bi-objective Pollution-Routing Problem. European Journal of Operational Research, 2014, 232, 464-478. | 3.5 | 390 |
| 6 | 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 |
| 7 | The time-dependent pollution-routing problem. Transportation Research Part B: Methodological, 2013, 56, 265-293. | 2.8 | 287 |
| 8 | The fleet size and mix pollution-routing problem. Transportation Research Part B: Methodological, 2014, 70, 239-254. | 2.8 | 207 |
| 9 | Thirty years of heterogeneous vehicle routing. European Journal of Operational Research, 2016, 249, 1-21. | 3.5 | 184 |
| 10 | Operational and environmental performance measures in a multi-product closed-loop supply chain. Transportation Research, Part E: Logistics and Transportation Review, 2011, 47, 532-546. | 3.7 | 182 |
| 11 | Integrated cellular manufacturing systems design with production planning and dynamic system reconfiguration. European Journal of Operational Research, 2009, 192, 414-428. | 3.5 | 151 |
| 12 | Modeling and optimizing the integrated problem of closed-loop supply chain network design and disassembly line balancing. Transportation Research, Part E: Logistics and Transportation Review, 2014, 61, 142-164. | 3.7 | 142 |
| 13 | Integer linear programming formulations of multiple salesman problems and its variations. European Journal of Operational Research, 2006, 174, 1449-1458. | 3.5 | 135 |
| 14 | 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 |
| 15 | 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 |
| 16 | The time-dependent two-echelon capacitated vehicle routing problem with environmental considerations. International Journal of Production Economics, 2015, 164, 366-378. | 5.1 | 121 |
| 17 | The role of operational research in green freight transportation. European Journal of Operational Research, 2019, 274, 807-823. | 3.5 | 121 |
| 18 | A comparative review of 3D container loading algorithms. International Transactions in Operational Research, 2016, 23, 287-320. | 1.8 | 97 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A hybrid evolutionary algorithm for heterogeneous fleet vehicle routing problems with time windows. Computers and Operations Research, 2015, 64, 11-27. | 2.4 | 93 |
| 20 | Formulations and Branch-and-Cut Algorithms for the Generalized Vehicle Routing Problem. Transportation Science, 2011, 45, 299-316. | 2.6 | 79 |
| 21 | 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 |
| 22 | Sustainability SI: Multimode Multicommodity Network Design Model for Intermodal Freight Transportation with Transfer and Emission Costs. Networks and Spatial Economics, 2016, 16, 303-329. | 0.7 | 69 |
| 23 | Routing fleets with multiple driving ranges: Is it possible to use greener fleet configurations?. Applied Soft Computing Journal, 2014, 21, 84-94. | 4.1 | 65 |
| 24 | Exact algorithms for the joint object placement and request routing problem in content distribution networks. Computers and Operations Research, 2008, 35, 3860-3884. | 2.4 | 62 |
| 25 | Combinatorial Benders cuts for assembly line balancing problems with setups. European Journal of Operational Research, 2017, 259, 527-537. | 3.5 | 57 |
| 26 | Requiem for the Millerâ€“Tuckerâ€“Zemlin subtour elimination constraints?. European Journal of Operational Research, 2014, 236, 820-832. | 3.5 | 56 |
| 27 | The green location-routing problem. Computers and Operations Research, 2019, 105, 187-202. | 2.4 | 54 |
| 28 | Designing cost-effective content distribution networks. Computers and Operations Research, 2007, 34, 2436-2449. | 2.4 | 46 |
| 29 | Minimizing energy and cost in range-limited drone deliveries with speed optimization. Transportation Research Part C: Emerging Technologies, 2021, 125, 102985. | 3.9 | 40 |
| 30 | Green Vehicle Routing. Profiles in Operations Research, 2016, , 243-265. | 0.3 | 39 |
| 31 | Enabling a Freight Traffic Controller for Collaborative Multidrop Urban Logistics. Transportation Research Record, 2017, 2609, 77-84. | 1.0 | 38 |
| 32 | Route and speed optimization for autonomous trucks. Computers and Operations Research, 2018, 100, 89-101. | 2.4 | 38 |
| 33 | Path and Speed Optimization for Conflict-Free Pickup and Delivery Under Time Windows. Transportation Science, 2018, 52, 739-755. | 2.6 | 37 |
| 34 | Improving the performance of rail yards through dynamic reassignments of empty cars. Transportation Research Part C: Emerging Technologies, 2009, 17, 259-273. | 3.9 | 32 |
| 35 | From Managing Urban Freight to Smart City Logistics Networks. Series on Computers and Operations Research, 2017, , 143-188. | 0.2 | 31 |
| 36 | An empirical investigation of advanced manufacturing technology investment patterns: Evidence from a developing country. Journal of Engineering and Technology Management - JET-M, 2013, 30, 136-156. | 1.4 | 30 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | Formulations and Benders decomposition algorithms for multidepot salesmen problems with load balancing. European Journal of Operational Research, 2012, 216, 83-93. | 3.5 | 29 |
| 38 | Understanding the transport and CO2 impacts of on-demand meal deliveries: A London case study. Cities, 2021, 108, 102973. | 2.7 | 29 |
| 39 | A cycle-based evolutionary algorithm for the fixed-charge capacitated multi-commodity network design problem. European Journal of Operational Research, 2016, 253, 265-279. | 3.5 | 25 |
| 40 | The Scope for Pavement Porters: Addressing the Challenges of Last-Mile Parcel Delivery in London. Transportation Research Record, 2018, 2672, 184-193. | 1.0 | 24 |
| 41 | Optimising parcel deliveries in London using dual-mode routing. Journal of the Operational Research Society, 2019, 70, 998-1010. | 2.1 | 24 |
| 42 | A comparison of three idling options in long-haul truck scheduling. Transportation Research Part B: Methodological, 2016, 93, 631-647. | 2.8 | 22 |
| 43 | Iterated local search for workforce scheduling and routing problems. Journal of Heuristics, 2017, 23, 471-500. | 1.1 | 22 |
| 44 | Optimised solutions to the last-mile delivery problem in London using a combination of walking and driving. Annals of Operations Research, 2020, 295, 645-693. | 2.6 | 21 |
| 45 | A multiperiod location-routing problem arising in the collection of Olive Oil Mill Wastewater. Journal of the Operational Research Society, 2016, 67, 1012-1024. | 2.1 | 18 |
| 46 | Dynamic Collection Scheduling Using Remote Asset Monitoring. Transportation Research Record, 2013, 2378, 65-72. | 1.0 | 16 |
| 47 | Multicommodity flows and Benders decomposition for restricted continuous location problems. European Journal of Operational Research, 2018, 266, 851-863. | 3.5 | 15 |
| 48 | Optimal spare parts management for vessel maintenance scheduling. Annals of Operations Research, 2019, 272, 323-353. | 2.6 | 15 |
| 49 | Combined maritime fleet deployment and inventory management with port visit flexibility in roll-on roll-off shipping. Transportation Research, Part E: Logistics and Transportation Review, 2020, 140, 101988. | 3.7 | 15 |
| 50 | The congested multicommodity network design problem. Transportation Research, Part E: Logistics and Transportation Review, 2016, 85, 166-187. | 3.7 | 13 |
| 51 | Improving collection efficiency through remote monitoring of charity assets. Waste Management, 2014, 34, 273-280. | 3.7 | 12 |
| 52 | Disjunctive Programming for Multiobjective Discrete Optimisation. INFORMS Journal on Computing, 2018, 30, 625-633. | 1.0 | 12 |
| 53 | Lagrangeanâ€based decomposition algorithms for multicommodity network design problems with penalized constraints. Networks, 2010, 55, 171-180. | 1.6 | 10 |
| 54 | New path elimination constraints for multiâ€depot routing problems. Networks, 2017, 70, 246-261. | 1.6 | 10 |

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|---|---|---|---|
| 55 | Balanced vehicle routing: Polyhedral analysis and branch-and-cut algorithm. European Journal of Operational Research, 2019, 273, 452-463. | 3.5 | 10 |
| 56 | Optimising vehicle and on-foot porter routing in urban logistics. Transportation Research, Part D: Transport and Environment, 2022, 109, 103371. | 3.2 | 10 |
| 57 | On separating cover inequalities for the multidimensional knapsack problem. Computers and Operations Research, 2007, 34, 1771-1776. | 2.4 | 9 |
| 58 | Revisiting the Hamiltonian p-median problem: A new formulation on directed graphs and a branch-and-cut algorithm. European Journal of Operational Research, 2019, 276, 40-64. | 3.5 | 8 |
| 59 | Using â„“ -norms for fairness in combinatorial optimisation. Computers and Operations Research, 2020, 120, 104975. | 2.4 | 8 |
| 60 | Benders decomposition for the mixed no-idle permutation flowshop scheduling problem. Journal of Scheduling, 2020, 23, 513-523. | 1.3 | 8 |
| 61 | A modelling framework for solving restricted planar location problems using phi-objects. Journal of the Operational Research Society, 2016, 67, 1080-1096. | 2.1 | 7 |
| 62 | Efficient computation of the Shapley value for large-scale linear production games. Annals of Operations Research, 2020, 287, 761-781. | 2.6 | 7 |
| 63 | Compact formulations for multi-depot routing problems: Theoretical and computational comparisons. Computers and Operations Research, 2020, 124, 105084. | 2.4 | 7 |
| 64 | Optimal driving for vehicle fuel economy under traffic speed uncertainty. Transportation Research Part B: Methodological, 2021, 154, 175-206. | 2.8 | 7 |
| 65 | A Lagrangean relaxation and decomposition algorithm for the video placement and routing problem. European Journal of Operational Research, 2007, 182, 455-465. | 3.5 | 5 |
| 66 | Look, here comes the library van! Optimising the timetable of the mobile library service on the Isle of Wight. OR Insight, 2011, 24, 49-62. | 0.1 | 5 |
| 67 | Balancing tour durations in routing a vehicle fleet. , 2013, , . | | 5 |
| 68 | Optimal vehicle routing with lower and upper bounds on route durations. Networks, 2015, 65, 166-179. | 1.6 | 5 |
| 69 | Green Network Design Problems. , 2019, , 169-206. | | 5 |
| 70 | Mathematical Models for Resource Management and Allocation in CDNs. Lecture Notes in Electrical Engineering, 2008, , 225-250. | 0.3 | 5 |
| 71 | Matheuristics for solving a multi-attribute collection problem for a charity organisation. Journal of the Operational Research Society, 2015, 66, 177-190. | 2.1 | 4 |
| 72 | Transformations of nodeâ€balanced routing problems. Naval Research Logistics, 2015, 62, 370-387. | 1.4 | 3 |

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|---|---|---|---|
| 73 | Combining on-foot porters with vans for last-mile parcel deliveries: results of a study in central London. World Review of Intermodal Transportation Research, 2021, 10, 65. | 0.2 | 3 |
| 74 | Node-based Lagrangian relaxations for multicommodity capacitated fixed-charge network design. Discrete Applied Mathematics, 2021, , . | 0.5 | 3 |
| 75 | Green Location Problems. , 2019, , 591-610. | | 3 |
| 76 | Minimal Load Constrained Vehicle Routing Problems. Lecture Notes in Computer Science, 2005, , 188-195. | 1.0 | 2 |
| 77 | Addressing nodal constraints on the capacity of railways. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2017, 231, 637-646. | 1.3 | 2 |
| 78 | A New Formulation for the Combined Maritime Fleet Deployment and Inventory Management Problem. Lecture Notes in Computer Science, 2017, , 321-335. | 1.0 | 2 |
| 79 | Park And Parcel: An Agent-Based Exploration Of Last-Mile Freight Delivery Behavior As It Relates To Parking. , 2019, , . | | 2 |
| 80 | Collaborative Parcels Logistics via the Carrierâ€™s Carrier Operating Model. Transportation Research Record, 2020, 2674, 384-393. | 1.0 | 2 |
| 81 | Une heuristique de recherche avec tabous pour la conception de rÃ©seaux de distribution de contenu Ã©lectronique. Infor, 2007, 45, 175-185. | 0.5 | 1 |
| 82 | Generalized minimum spanning tree games. EURO Journal on Computational Optimization, 2016, 4, 167-188. | 1.5 | 1 |
| 83 | Lagrangeanâ€based solution approaches for the generalized problem of locating capacitated warehouses. International Transactions in Operational Research, 2008, 15, 67-85. | 1.8 | 0 |
| 84 | Green Routing of Freight Vehicles. , 2021, , 224-230. | | 0 |
| 85 | A Hybrid Algorithm Based on Monte-Carlo Simulation for the Vehicle Routing Problem with Route Length Restrictions. , 0, , 122-135. | | 0 |