

# Elise Miller-Hooks

## 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.

73  
papers

2,658  
citations

26  
h-index

51  
g-index

75  
ext. papers

3,098  
ext. citations

3.9  
avg, IF

5.78  
L-index

#	Paper	IF	Citations
73	Measuring and maximizing resilience of freight transportation networks. <i>Computers and Operations Research</i> , <b>2012</b> , 39, 1633-1643	4.6	230
72	Resilience: An Indicator of Recovery Capability in Intermodal Freight Transport. <i>Transportation Science</i> , <b>2012</b> , 46, 109-123	4.4	230
71	Large-Scale Vehicle Sharing Systems: Analysis of Vūba <i>International Journal of Sustainable Transportation</i> , <b>2013</b> , 7, 85-106	3.6	205
70	Fleet Management for Vehicle Sharing Operations. <i>Transportation Science</i> , <b>2011</b> , 45, 524-540	4.4	199
69	Measuring the Performance of Transportation Infrastructure Systems in Disasters: A Comprehensive Review. <i>Journal of Infrastructure Systems</i> , <b>2015</b> , 21, 04014025	2.9	193
68	A TABU search heuristic for the team orienteering problem. <i>Computers and Operations Research</i> , <b>2005</b> , 32, 1379-1407	4.6	170
67	Travel time resilience of roadway networks under disaster. <i>Transportation Research Part B: Methodological</i> , <b>2014</b> , 70, 47-64	7.2	121
66	Adaptive least-expected time paths in stochastic, time-varying transportation and data networks. <i>Networks</i> , <b>2001</b> , 37, 35-52	1.6	109
65	Path comparisons for a priori and time-adaptive decisions in stochastic, time-varying networks. <i>European Journal of Operational Research</i> , <b>2003</b> , 146, 67-82	5.6	79
64	Optimal Routing of Hazardous Materials in Stochastic, Time-Varying Transportation Networks. <i>Transportation Research Record</i> , <b>1998</b> , 1645, 143-151	1.7	63
63	Resilience Framework for Ports and Other Intermodal Components. <i>Transportation Research Record</i> , <b>2010</b> , 2166, 54-65	1.7	58
62	Equilibrium network design of shared-vehicle systems. <i>European Journal of Operational Research</i> , <b>2014</b> , 235, 47-61	5.6	55
61	Quantifying the resilience of an urban traffic-electric power coupled system. <i>Reliability Engineering and System Safety</i> , <b>2017</b> , 163, 79-94	6.3	54
60	Scheduling technicians for planned maintenance of geographically distributed equipment. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2007</b> , 43, 591-609	9	54
59	Evaluating and optimizing resilience of airport pavement networks. <i>Computers and Operations Research</i> , <b>2014</b> , 43, 335-348	4.6	52
58	On Solving Quickest Time Problems in Time-Dependent, Dynamic Networks. <i>Mathematical Modelling and Algorithms</i> , <b>2004</b> , 3, 39-71		47
57	Optimal team deployment in urban search and rescue. <i>Transportation Research Part B: Methodological</i> , <b>2012</b> , 46, 984-999	7.2	41

56	Multicriteria adaptive paths in stochastic, time-varying networks. <i>European Journal of Operational Research</i> , <b>2006</b> , 173, 72-91	5.6	36
55	Co-opetition in enhancing global port network resiliency: A multi-leader, common-follower game theoretic approach. <i>Transportation Research Part B: Methodological</i> , <b>2018</b> , 108, 281-298	7.2	35
54	Carbon Footprint Estimation Tool for Transportation Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2013</b> , 139, 547-555	4.2	35
53	Evaluation of Relocation Strategies for Emergency Medical Service Vehicles. <i>Transportation Research Record</i> , <b>2009</b> , 2137, 63-73	1.7	35
52	Decision Models to Support Greenhouse Gas Emissions Reduction from Transportation Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2012</b> , 138, 631-641	4.2	30
51	Dynamic Network Simulation Assignment Platform for Multiproduct Intermodal Freight Transportation Analysis. <i>Transportation Research Record</i> , <b>2007</b> , 2032, 9-16	1.7	29
50	Scheduling Short-Term Recovery Activities to Maximize Transportation Network Resilience. <i>Journal of Computing in Civil Engineering</i> , <b>2015</b> , 29, 04014087	5	27
49	Freight train scheduling with elastic demand. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2010</b> , 46, 1057-1070	9	26
48	Adaptive routing considering delays due to signal operations. <i>Transportation Research Part B: Methodological</i> , <b>2004</b> , 38, 385-413	7.2	26
47	Optimal transportation and shoreline infrastructure investment planning under a stochastic climate future. <i>Transportation Research Part B: Methodological</i> , <b>2017</b> , 100, 156-174	7.2	23
46	A network optimization-based approach for crowd management in large public gatherings. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2014</b> , 42, 182-199	8.4	21
45	Maximal Dynamic Expected Flows Problem for Emergency Evacuation Planning. <i>Transportation Research Record</i> , <b>2008</b> , 2089, 26-34	1.7	21
44	Developing Responsive Rail Services through collaboration. <i>Transportation Research Part B: Methodological</i> , <b>2012</b> , 46, 424-439	7.2	20
43	The building evacuation problem with shared information. <i>Naval Research Logistics</i> , <b>2008</b> , 55, 363-376	1.5	19
42	Approximate Procedures for Probabilistic Traveling Salesperson Problem. <i>Transportation Research Record</i> , <b>2004</b> , 1882, 27-36	1.7	19
41	Maritime port network resiliency and reliability through co-opetition. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2020</b> , 137, 101916	9	17
40	An Intelligent Evacuation, Rescue and Recovery Concept. <i>Fire Technology</i> , <b>2007</b> , 43, 107-122	3	17
39	A Mathematical Framework for Quantifying and Optimizing Protective Actions for Civil Infrastructure Systems. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2013</b> , 29, n/a-n/a	8.4	16

38	Train Slot Cooperation in Multicarrier, International Rail-Based Intermodal Freight Transport. <i>Transportation Research Record</i> , <b>2008</b> , 2043, 31-40	1.7	16
37	Updating Paths in Time-Varying Networks Given Arc Weight Changes. <i>Transportation Science</i> , <b>2005</b> , 39, 451-464	4.4	16
36	Analytics with digital-twinning: A decision support system for maintaining a resilient port. <i>Decision Support Systems</i> , <b>2021</b> , 143, 113496	5.6	16
35	Resilience of Networked Infrastructure with Evolving Component Conditions: Pavement Network Application. <i>Journal of Computing in Civil Engineering</i> , <b>2017</b> , 31, 04016060	5	15
34	A Geographic Information System-Based Real-Time Decision Support Framework for Routing Vehicles Carrying Hazardous Materials. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , <b>2011</b> , 15, 28-41	3.2	14
33	Effects of vehicle technologies, traffic volume changes, incidents and work zones on greenhouse gas emissions production. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2014</b> , 26, 10-19	6.4	13
32	Optimizing Location and Relocation of Response Units in Guarding Critical Facilities		13
31	Strategies for Improved Hospital Response to Mass Casualty Incidents. <i>Disaster Medicine and Public Health Preparedness</i> , <b>2018</b> , 12, 778-790	2.8	12
30	Transit system resilience: Quantifying the impacts of disruptions on diverse populations. <i>Reliability Engineering and System Safety</i> , <b>2019</b> , 191, 106561	6.3	12
29	Health Care System Disaster-Resilience Optimization Given Its Reliance on Interdependent Critical Lifelines. <i>Journal of Infrastructure Systems</i> , <b>2019</b> , 25, 04018044	2.9	11
28	Assessing strategies for protecting transportation infrastructure from an uncertain climate future. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2017</b> , 105, 27-41	3.7	10
27	Solving a generalized traveling salesperson problem with stochastic customers. <i>Computers and Operations Research</i> , <b>2007</b> , 34, 1963-1987	4.6	10
26	Determining Critical Arcs for Collecting Real-Time Travel Information. <i>Transportation Research Record</i> , <b>2002</b> , 1783, 34-41	1.7	8
25	Assessing hospital system resilience to disaster events involving physical damage and Demand Surge. <i>Socio-Economic Planning Sciences</i> , <b>2020</b> , 70, 100729	3.7	8
24	A resource-constrained, multi-unit hospital model for operational strategies evaluation under routine and surge demand scenarios. <i>IIE Transactions on Healthcare Systems Engineering</i> , <b>2019</b> , 9, 103-119	1.9	7
23	Equilibrium design of bicycle sharing systems: the case of Washington D.C.. <i>EURO Journal on Transportation and Logistics</i> , <b>2016</b> , 5, 321-344	2.4	7
22	Combinatorial auctions of railway track capacity in vertically separated freight transport markets. <i>Journal of Rail Transport Planning and Management</i> , <b>2015</b> , 5, 1-11	2.1	7
21	Scheduling Deliveries with Backhauls in Thailand's Cement Industry. <i>Transportation Research Record</i> , <b>2012</b> , 2269, 73-82	1.7	7

20	Exploiting the Capacity of Managed Lanes in Diverting Traffic around an Incident. <i>Transportation Research Record</i> , <b>2011</b> , 2229, 75-84	1.7	5
19	An optimal stopping approach to managing travel-time uncertainty for time-sensitive customer pickup. <i>Transportation Research Part B: Methodological</i> , <b>2017</b> , 102, 22-37	7.2	4
18	Optimizing Ridesharing Services for Airport Access. <i>Transportation Research Record</i> , <b>2014</b> , 2467, 157-167	1.7	4
17	Security and Mobility of Intermodal Freight Networks: Evaluation Framework for Simulation and Assignment. <i>Transportation Research Record</i> , <b>2009</b> , 2137, 109-117	1.7	4
16	Violations Modeling in Studies of Concurrent-Flow Lanes. <i>Transportation Research Record</i> , <b>2010</b> , 2178, 147-155	1.7	4
15	Least Expected Time Hyperpaths in Stochastic, Time-Varying Multimodal Networks. <i>Transportation Research Record</i> , <b>2001</b> , 1771, 89-96	1.7	4
14	Mathematical Modeling of Command-and-Control Strategies in Crowd Movement. <i>Transportation Research Record</i> , <b>2014</b> , 2459, 47-53	1.7	3
13	Impact of Travel Time Models on Quality of Real-Time Routing Instructions. <i>Transportation Research Record</i> , <b>2003</b> , 1857, 21-29	1.7	3
12	Enhancing resilience through port coalitions in maritime freight networks. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2022</b> , 157, 1-23	3.7	3
11	Models for Assessing Strategies for Improving Hospital Capacity for Handling Patients during a Pandemic.. <i>Disaster Medicine and Public Health Preparedness</i> , <b>2022</b> , 1-26	2.8	2
10	Optimal time-differentiated pricing for a competitive mixed traditional and crowdsourced event parking market. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2021</b> , 132, 103409	8.4	2
9	Risk-based models for emergency shelter and exit design in buildings. <i>Annals of Operations Research</i> , <b>2018</b> , 262, 185-212	3.2	1
8	Taxis as a Recourse Option for Ridesharing Services. <i>Transportation Research Record</i> , <b>2016</b> , 2563, 86-97	1.7	1
7	Assessing resilience of hospitals to cyberattack. <i>Digital Health</i> , <b>2021</b> , 7, 20552076211059366	4	1
6	Modeling Pedestrian Route Choice During Large Public Gatherings <b>2014</b> , 789-806		1
5	User-Friendly Benefit-Cost Estimation Tool for Traffic Incident Management Programs. <i>Transportation Research Record</i> , <b>2016</b> , 2554, 149-157	1.7	1
4	Adaptive least-expected time paths in stochastic, time-varying transportation and data networks <b>2001</b> , 37, 35		1
3	Noisy Genetic Algorithm for Stochastic, Time-Varying Minimum Time Network Flow Problem. <i>Transportation Research Record</i> , <b>2010</b> , 2196, 75-82	1.7	0

- 2 Robust Dynamic Distribution of Security Assets in Transit Systems. *Transportation Research Record*, **2013**, 2350, 91-101 1.7
- 1 Updating Network Flows Given Multiple, Heterogeneous Arc Attribute Changes. *Mathematical Modelling and Algorithms*, **2010**, 9, 291-309