

Elise Miller-Hooks

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.

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	Enhancing resilience through port coalitions in maritime freight networks. <i>Transportation Research, Part A: Policy and Practice</i> , 2022 , 157, 1-23	3.7	3
72	Models for Assessing Strategies for Improving Hospital Capacity for Handling Patients during a Pandemic.. <i>Disaster Medicine and Public Health Preparedness</i> , 2022 , 1-26	2.8	2
71	Assessing resilience of hospitals to cyberattack. <i>Digital Health</i> , 2021 , 7, 20552076211059366	4	1
70	Analytics with digital-twinning: A decision support system for maintaining a resilient port. <i>Decision Support Systems</i> , 2021 , 143, 113496	5.6	16
69	Optimal time-differentiated pricing for a competitive mixed traditional and crowdsourced event parking market. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 132, 103409	8.4	2
68	Maritime port network resiliency and reliability through co-opetition. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020 , 137, 101916	9	17
67	Assessing hospital system resilience to disaster events involving physical damage and Demand Surge. <i>Socio-Economic Planning Sciences</i> , 2020 , 70, 100729	3.7	8
66	A resource-constrained, multi-unit hospital model for operational strategies evaluation under routine and surge demand scenarios. <i>IIEE Transactions on Healthcare Systems Engineering</i> , 2019 , 9, 103-119	1.9	7
65	Transit system resilience: Quantifying the impacts of disruptions on diverse populations. <i>Reliability Engineering and System Safety</i> , 2019 , 191, 106561	6.3	12
64	Health Care System Disaster-Resilience Optimization Given Its Reliance on Interdependent Critical Lifelines. <i>Journal of Infrastructure Systems</i> , 2019 , 25, 04018044	2.9	11
63	Co-opetition in enhancing global port network resiliency: A multi-leader, common-follower game theoretic approach. <i>Transportation Research Part B: Methodological</i> , 2018 , 108, 281-298	7.2	35
62	Strategies for Improved Hospital Response to Mass Casualty Incidents. <i>Disaster Medicine and Public Health Preparedness</i> , 2018 , 12, 778-790	2.8	12
61	Risk-based models for emergency shelter and exit design in buildings. <i>Annals of Operations Research</i> , 2018 , 262, 185-212	3.2	1
60	Quantifying the resilience of an urban traffic-electric power coupled system. <i>Reliability Engineering and System Safety</i> , 2017 , 163, 79-94	6.3	54
59	Optimal transportation and shoreline infrastructure investment planning under a stochastic climate future. <i>Transportation Research Part B: Methodological</i> , 2017 , 100, 156-174	7.2	23
58	An optimal stopping approach to managing travel-time uncertainty for time-sensitive customer pickup. <i>Transportation Research Part B: Methodological</i> , 2017 , 102, 22-37	7.2	4
57	Assessing strategies for protecting transportation infrastructure from an uncertain climate future. <i>Transportation Research, Part A: Policy and Practice</i> , 2017 , 105, 27-41	3.7	10

56	Resilience of Networked Infrastructure with Evolving Component Conditions: Pavement Network Application. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04016060	5	15
55	Equilibrium design of bicycle sharing systems: the case of Washington D.C.. <i>EURO Journal on Transportation and Logistics</i> , 2016 , 5, 321-344	2.4	7
54	Taxis as a Recourse Option for Ridesharing Services. <i>Transportation Research Record</i> , 2016 , 2563, 86-97	1.7	1
53	User-Friendly Benefit-Cost Estimation Tool for Traffic Incident Management Programs. <i>Transportation Research Record</i> , 2016 , 2554, 149-157	1.7	1
52	Scheduling Short-Term Recovery Activities to Maximize Transportation Network Resilience. <i>Journal of Computing in Civil Engineering</i> , 2015 , 29, 04014087	5	27
51	Measuring the Performance of Transportation Infrastructure Systems in Disasters: A Comprehensive Review. <i>Journal of Infrastructure Systems</i> , 2015 , 21, 04014025	2.9	193
50	Combinatorial auctions of railway track capacity in vertically separated freight transport markets. <i>Journal of Rail Transport Planning and Management</i> , 2015 , 5, 1-11	2.1	7
49	Equilibrium network design of shared-vehicle systems. <i>European Journal of Operational Research</i> , 2014 , 235, 47-61	5.6	55
48	Evaluating and optimizing resilience of airport pavement networks. <i>Computers and Operations Research</i> , 2014 , 43, 335-348	4.6	52
47	Travel time resilience of roadway networks under disaster. <i>Transportation Research Part B: Methodological</i> , 2014 , 70, 47-64	7.2	121
46	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> , 2014 , 26, 10-19	6.4	13
45	Mathematical Modeling of Command-and-Control Strategies in Crowd Movement. <i>Transportation Research Record</i> , 2014 , 2459, 47-53	1.7	3
44	Optimizing Ridesharing Services for Airport Access. <i>Transportation Research Record</i> , 2014 , 2467, 157-167	1.7	4
43	A network optimization-based approach for crowd management in large public gatherings. <i>Transportation Research Part C: Emerging Technologies</i> , 2014 , 42, 182-199	8.4	21
42	Modeling Pedestrian Route Choice During Large Public Gatherings 2014 , 789-806		1
41	Large-Scale Vehicle Sharing Systems: Analysis of Vliba <i>International Journal of Sustainable Transportation</i> , 2013 , 7, 85-106	3.6	205
40	Carbon Footprint Estimation Tool for Transportation Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 547-555	4.2	35
39	A Mathematical Framework for Quantifying and Optimizing Protective Actions for Civil Infrastructure Systems. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2013 , 29, n/a-n/a	8.4	16

38	Robust Dynamic Distribution of Security Assets in Transit Systems. <i>Transportation Research Record</i> , 2013 , 2350, 91-101	1.7	
37	Measuring and maximizing resilience of freight transportation networks. <i>Computers and Operations Research</i> , 2012 , 39, 1633-1643	4.6	230
36	Resilience: An Indicator of Recovery Capability in Intermodal Freight Transport. <i>Transportation Science</i> , 2012 , 46, 109-123	4.4	230
35	Scheduling Deliveries with Backhauls in Thailand's Cement Industry. <i>Transportation Research Record</i> , 2012 , 2269, 73-82	1.7	7
34	Developing Responsive Rail Services through collaboration. <i>Transportation Research Part B: Methodological</i> , 2012 , 46, 424-439	7.2	20
33	Optimal team deployment in urban search and rescue. <i>Transportation Research Part B: Methodological</i> , 2012 , 46, 984-999	7.2	41
32	Decision Models to Support Greenhouse Gas Emissions Reduction from Transportation Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2012 , 138, 631-641	4.2	30
31	Fleet Management for Vehicle Sharing Operations. <i>Transportation Science</i> , 2011 , 45, 524-540	4.4	199
30	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> , 2011 , 15, 28-41	3.2	14
29	Exploiting the Capacity of Managed Lanes in Diverting Traffic around an Incident. <i>Transportation Research Record</i> , 2011 , 2229, 75-84	1.7	5
28	Resilience Framework for Ports and Other Intermodal Components. <i>Transportation Research Record</i> , 2010 , 2166, 54-65	1.7	58
27	Freight train scheduling with elastic demand. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2010 , 46, 1057-1070	9	26
26	Noisy Genetic Algorithm for Stochastic, Time-Varying Minimum Time Network Flow Problem. <i>Transportation Research Record</i> , 2010 , 2196, 75-82	1.7	0
25	Violations Modeling in Studies of Concurrent-Flow Lanes. <i>Transportation Research Record</i> , 2010 , 2178, 147-155	1.7	4
24	Updating Network Flows Given Multiple, Heterogeneous Arc Attribute Changes. <i>Mathematical Modelling and Algorithms</i> , 2010 , 9, 291-309		
23	Evaluation of Relocation Strategies for Emergency Medical Service Vehicles. <i>Transportation Research Record</i> , 2009 , 2137, 63-73	1.7	35
22	Security and Mobility of Intermodal Freight Networks: Evaluation Framework for Simulation and Assignment. <i>Transportation Research Record</i> , 2009 , 2137, 109-117	1.7	4
21	Maximal Dynamic Expected Flows Problem for Emergency Evacuation Planning. <i>Transportation Research Record</i> , 2008 , 2089, 26-34	1.7	21

20	Train Slot Cooperation in Multicarrier, International Rail-Based Intermodal Freight Transport. <i>Transportation Research Record</i> , 2008 , 2043, 31-40	1.7	16
19	The building evacuation problem with shared information. <i>Naval Research Logistics</i> , 2008 , 55, 363-376	1.5	19
18	Solving a generalized traveling salesperson problem with stochastic customers. <i>Computers and Operations Research</i> , 2007 , 34, 1963-1987	4.6	10
17	An Intelligent Evacuation, Rescue and Recovery Concept. <i>Fire Technology</i> , 2007 , 43, 107-122	3	17
16	Dynamic Network Simulation Assignment Platform for Multiproduct Intermodal Freight Transportation Analysis. <i>Transportation Research Record</i> , 2007 , 2032, 9-16	1.7	29
15	Scheduling technicians for planned maintenance of geographically distributed equipment. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2007 , 43, 591-609	9	54
14	Multicriteria adaptive paths in stochastic, time-varying networks. <i>European Journal of Operational Research</i> , 2006 , 173, 72-91	5.6	36
13	A TABU search heuristic for the team orienteering problem. <i>Computers and Operations Research</i> , 2005 , 32, 1379-1407	4.6	170
12	Updating Paths in Time-Varying Networks Given Arc Weight Changes. <i>Transportation Science</i> , 2005 , 39, 451-464	4.4	16
11	On Solving Quickest Time Problems in Time-Dependent, Dynamic Networks. <i>Mathematical Modelling and Algorithms</i> , 2004 , 3, 39-71		47
10	Adaptive routing considering delays due to signal operations. <i>Transportation Research Part B: Methodological</i> , 2004 , 38, 385-413	7.2	26
9	Approximate Procedures for Probabilistic Traveling Salesperson Problem. <i>Transportation Research Record</i> , 2004 , 1882, 27-36	1.7	19
8	Impact of Travel Time Models on Quality of Real-Time Routing Instructions. <i>Transportation Research Record</i> , 2003 , 1857, 21-29	1.7	3
7	Path comparisons for a priori and time-adaptive decisions in stochastic, time-varying networks. <i>European Journal of Operational Research</i> , 2003 , 146, 67-82	5.6	79
6	Determining Critical Arcs for Collecting Real-Time Travel Information. <i>Transportation Research Record</i> , 2002 , 1783, 34-41	1.7	8
5	Adaptive least-expected time paths in stochastic, time-varying transportation and data networks. <i>Networks</i> , 2001 , 37, 35-52	1.6	109
4	Least Expected Time Hyperpaths in Stochastic, Time-Varying Multimodal Networks. <i>Transportation Research Record</i> , 2001 , 1771, 89-96	1.7	4
3	Adaptive least-expected time paths in stochastic, time-varying transportation and data networks 2001 , 37, 35		1

2	Optimal Routing of Hazardous Materials in Stochastic, Time-Varying Transportation Networks. <i>Transportation Research Record</i> , 1998 , 1645, 143-151	1.7	63
1	Optimizing Location and Relocation of Response Units in Guarding Critical Facilities		13