

Elise Miller-Hooks

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

3,611
citations

159358

30
h-index

133063

59
g-index

75
all docs

75
docs citations

75
times ranked

2713
citing authors

#	ARTICLE	IF	CITATIONS
1	Resilience: An Indicator of Recovery Capability in Intermodal Freight Transport. <i>Transportation Science</i> , 2012, 46, 109-123.	2.6	302
2	Measuring the Performance of Transportation Infrastructure Systems in Disasters: A Comprehensive Review. <i>Journal of Infrastructure Systems</i> , 2015, 21, .	1.0	288
3	Measuring and maximizing resilience of freight transportation networks. <i>Computers and Operations Research</i> , 2012, 39, 1633-1643.	2.4	279
4	Fleet Management for Vehicle Sharing Operations. <i>Transportation Science</i> , 2011, 45, 524-540.	2.6	262
5	Large-Scale Vehicle Sharing Systems: Analysis of VÃ©lib'. <i>International Journal of Sustainable Transportation</i> , 2013, 7, 85-106.	2.1	245
6	A TABU search heuristic for the team orienteering problem. <i>Computers and Operations Research</i> , 2005, 32, 1379-1407.	2.4	201
7	Travel time resilience of roadway networks under disaster. <i>Transportation Research Part B: Methodological</i> , 2014, 70, 47-64.	2.8	178
8	Adaptive least-expected time paths in stochastic, time-varying transportation and data networks. <i>Networks</i> , 2001, 37, 35-52.	1.6	126
9	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.	3.5	96
10	Equilibrium network design of shared-vehicle systems. <i>European Journal of Operational Research</i> , 2014, 235, 47-61.	3.5	79
11	Quantifying the resilience of an urban traffic-electric power coupled system. <i>Reliability Engineering and System Safety</i> , 2017, 163, 79-94.	5.1	76
12	Optimal Routing of Hazardous Materials in Stochastic, Time-Varying Transportation Networks. <i>Transportation Research Record</i> , 1998, 1645, 143-151.	1.0	75
13	Evaluating and optimizing resilience of airport pavement networks. <i>Computers and Operations Research</i> , 2014, 43, 335-348.	2.4	75
14	Resilience Framework for Ports and Other Intermodal Components. <i>Transportation Research Record</i> , 2010, 2166, 54-65.	1.0	71
15	Scheduling technicians for planned maintenance of geographically distributed equipment. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2007, 43, 591-609.	3.7	67
16	A Mathematical Framework for Quantifying and Optimizing Protective Actions for Civil Infrastructure Systems. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014, 29, 572-589.	6.3	63
17	On Solving Quickest Time Problems in Time-Dependent, Dynamic Networks. <i>Mathematical Modelling and Algorithms</i> , 2004, 3, 39-71.	0.5	59
18	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.	2.8	57

#	ARTICLE	IF	CITATIONS
19	Optimal team deployment in urban search and rescue. <i>Transportation Research Part B: Methodological</i> , 2012, 46, 984-999.	2.8	54
20	Multicriteria adaptive paths in stochastic, time-varying networks. <i>European Journal of Operational Research</i> , 2006, 173, 72-91.	3.5	46
21	Analytics with digital-twinning: A decision support system for maintaining a resilient port. <i>Decision Support Systems</i> , 2021, 143, 113496.	3.5	46
22	Carbon Footprint Estimation Tool for Transportation Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013, 139, 547-555.	2.0	45
23	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.	2.0	43
24	Evaluation of Relocation Strategies for Emergency Medical Service Vehicles. <i>Transportation Research Record</i> , 2009, 2137, 63-73.	1.0	42
25	Maritime port network resiliency and reliability through co-opetition. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 137, 101916.	3.7	39
26	Dynamic Network Simulation—Assignment Platform for Multiproduct Intermodal Freight Transportation Analysis. <i>Transportation Research Record</i> , 2007, 2032, 9-16.	1.0	36
27	Scheduling Short-Term Recovery Activities to Maximize Transportation Network Resilience. <i>Journal of Computing in Civil Engineering</i> , 2015, 29, .	2.5	35
28	Adaptive routing considering delays due to signal operations. <i>Transportation Research Part B: Methodological</i> , 2004, 38, 385-413.	2.8	34
29	Freight train scheduling with elastic demand. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2010, 46, 1057-1070.	3.7	32
30	Optimal transportation and shoreline infrastructure investment planning under a stochastic climate future. <i>Transportation Research Part B: Methodological</i> , 2017, 100, 156-174.	2.8	31
31	Strategies for Improved Hospital Response to Mass Casualty Incidents. <i>Disaster Medicine and Public Health Preparedness</i> , 2018, 12, 778-790.	0.7	30
32	A network optimization-based approach for crowd management in large public gatherings. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 42, 182-199.	3.9	29
33	The building evacuation problem with shared information. <i>Naval Research Logistics</i> , 2008, 55, 363-376.	1.4	28
34	Approximate Procedures for Probabilistic Traveling Salesperson Problem. <i>Transportation Research Record</i> , 2004, 1882, 27-36.	1.0	26
35	Maximal Dynamic Expected Flows Problem for Emergency Evacuation Planning. <i>Transportation Research Record</i> , 2008, 2089, 26-34.	1.0	24
36	Health Care System Disaster-Resilience Optimization Given Its Reliance on Interdependent Critical Lifelines. <i>Journal of Infrastructure Systems</i> , 2019, 25, .	1.0	24

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37	Developing Responsive Rail Services through collaboration. Transportation Research Part B: Methodological, 2012, 46, 424-439.	2.8	23
38	Transit system resilience: Quantifying the impacts of disruptions on diverse populations. Reliability Engineering and System Safety, 2019, 191, 106561.	5.1	23
39	Resilience of Networked Infrastructure with Evolving Component Conditions: Pavement Network Application. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	21
40	Enhancing resilience through port coalitions in maritime freight networks. Transportation Research, Part A: Policy and Practice, 2022, 157, 1-23.	2.0	20
41	Assessing hospital system resilience to disaster events involving physical damage and Demand Surge. Socio-Economic Planning Sciences, 2020, 70, 100729.	2.5	19
42	An Intelligent Evacuation, Rescue and Recovery Concept. Fire Technology, 2007, 43, 107-122.	1.5	18
43	A Geographic Information System-Based Real-Time Decision Support Framework for Routing Vehicles Carrying Hazardous Materials. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2011, 15, 28-41.	2.6	17
44	Updating Paths in Time-Varying Networks Given Arc Weight Changes. Transportation Science, 2005, 39, 451-464.	2.6	16
45	Train Slot Cooperation in Multicarrier, International Rail-Based Intermodal Freight Transport. Transportation Research Record, 2008, 2043, 31-40.	1.0	16
46	Solving a generalized traveling salesperson problem with stochastic customers. Computers and Operations Research, 2007, 34, 1963-1987.	2.4	15
47	Effects of vehicle technologies, traffic volume changes, incidents and work zones on greenhouse gas emissions production. Transportation Research, Part D: Transport and Environment, 2014, 26, 10-19.	3.2	15
48	Equilibrium design of bicycle sharing systems: the case of Washington D.C.. EURO Journal on Transportation and Logistics, 2016, 5, 321-344.	1.3	15
49	Optimizing Location and Relocation of Response Units in Guarding Critical Facilities. , 0, .		14
50	Assessing strategies for protecting transportation infrastructure from an uncertain climate future. Transportation Research, Part A: Policy and Practice, 2017, 105, 27-41.	2.0	13
51	A resource-constrained, multi-unit hospital model for operational strategies evaluation under routine and surge demand scenarios. IJSE Transactions on Healthcare Systems Engineering, 2019, 9, 103-119.	1.2	13
52	An optimal stopping approach to managing travel-time uncertainty for time-sensitive customer pickup. Transportation Research Part B: Methodological, 2017, 102, 22-37.	2.8	11
53	Determining Critical Arcs for Collecting Real-Time Travel Information. Transportation Research Record, 2002, 1783, 34-41.	1.0	9
54	Combinatorial auctions of railway track capacity in vertically separated freight transport markets. Journal of Rail Transport Planning and Management, 2015, 5, 1-11.	0.8	9

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55	Models for Assessing Strategies for Improving Hospital Capacity for Handling Patients during a Pandemic. Disaster Medicine and Public Health Preparedness, 2023, 17, 1-26.	0.7	9
56	Scheduling Deliveries with Backhauls in Thailand's Cement Industry. Transportation Research Record, 2012, 2269, 73-82.	1.0	8
57	Optimizing Ridesharing Services for Airport Access. Transportation Research Record, 2014, 2467, 157-167.	1.0	8
58	Least Expected Time Hyperpaths in Stochastic, Time-Varying Multimodal Networks. Transportation Research Record, 2001, 1771, 89-96.	1.0	7
59	Exploiting the Capacity of Managed Lanes in Diverting Traffic around an Incident. Transportation Research Record, 2011, 2229, 75-84.	1.0	7
60	Assessing resilience of hospitals to cyberattack. Digital Health, 2021, 7, 205520762110593.	0.9	7
61	Violations Modeling in Studies of Concurrent-Flow Lanes. Transportation Research Record, 2010, 2178, 147-155.	1.0	5
62	Mathematical Modeling of Command-and-Control Strategies in Crowd Movement. Transportation Research Record, 2014, 2459, 47-53.	1.0	5
63	Security and Mobility of Intermodal Freight Networks. Transportation Research Record, 2009, 2137, 109-117.	1.0	4
64	Risk-based models for emergency shelter and exit design in buildings. Annals of Operations Research, 2018, 262, 185-212.	2.6	4
65	Impact of Travel Time Models on Quality of Real-Time Routing Instructions. Transportation Research Record, 2003, 1857, 21-29.	1.0	3
66	Noisy Genetic Algorithm for Stochastic, Time-Varying Minimum Time Network Flow Problem. Transportation Research Record, 2010, 2196, 75-82.	1.0	3
67	Taxis as a Recourse Option for Ridesharing Services. Transportation Research Record, 2016, 2563, 86-97.	1.0	3
68	Optimal time-differentiated pricing for a competitive mixed traditional and crowdsourced event parking market. Transportation Research Part C: Emerging Technologies, 2021, 132, 103409.	3.9	3
69	User-Friendly Benefitâ€‘Cost Estimation Tool for Traffic Incident Management Programs. Transportation Research Record, 2016, 2554, 149-157.	1.0	2
70	Adaptive least-expected time paths in stochastic, time-varying transportation and data networks. , 2001, 37, 35.		1
71	Modeling Pedestrian Route Choice During Large Public Gatherings. , 2014, , 789-806.		1
72	Constructs in infrastructure resilience framing â€‘ from components to community services and the built and human infrastructures on which they rely. IISE Transactions, 0, , 1-14.	1.6	1

#	ARTICLE	IF	CITATIONS
73	Updating Network Flows Given Multiple, Heterogeneous Arc Attribute Changes. <i>Mathematical Modelling and Algorithms</i> , 2010, 9, 291-309.	0.5	0
74	Robust Dynamic Distribution of Security Assets in Transit Systems. <i>Transportation Research Record</i> , 2013, 2350, 91-101.	1.0	0
75	A flatter curve affords hospitals greater time to prepare for a pandemic surge. <i>Healthcare Analytics</i> , 2022, 2, 100076.	2.6	0