

Samiul Hasan

List of Publications by Year in descending order

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49
papers

2,657
citations

257450

24
h-index

265206

42
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49
all docs

49
docs citations

49
times ranked

2622
citing authors

#	ARTICLE	IF	CITATIONS
1	Urban activity pattern classification using topic models from online geo-location data. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 44, 363-381.	7.6	226
2	Spatiotemporal Patterns of Urban Human Mobility. <i>Journal of Statistical Physics</i> , 2013, 151, 304-318.	1.2	206
3	Behavioral Model to Understand Household-Level Hurricane Evacuation Decision Making. <i>Journal of Transportation Engineering</i> , 2011, 137, 341-348.	0.9	192
4	Exploring the capacity of social media data for modelling travel behaviour: Opportunities and challenges. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 75, 197-211.	7.6	180
5	Exploring the determinants of pedestrian vehicle crash severity in New York City. <i>Accident Analysis and Prevention</i> , 2013, 50, 1298-1309.	5.7	168
6	Understanding urban human activity and mobility patterns using large-scale location-based data from online social media. , 2013, , .		161
7	Urban link travel time estimation using large-scale taxi data with partial information. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 33, 37-49.	7.6	160
8	A Novel Transit Rider Satisfaction Metric: Rider Sentiments Measured from Online Social Media Data. <i>Journal of Public Transportation</i> , 2013, 16, 21-45.	1.2	132
9	A random-parameter hazard-based model to understand household evacuation timing behavior. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 27, 108-116.	7.6	116
10	Random Parameter Model Used to Explain Effects of Built-Environment Characteristics on Pedestrian Crash Frequency. <i>Transportation Research Record</i> , 2011, 2237, 98-106.	1.9	112
11	Household-Level Model for Hurricane Evacuation Destination Type Choice Using Hurricane Ivan Data. <i>Natural Hazards Review</i> , 2013, 14, 11-20.	1.5	97
12	Modeling infrastructure system interdependencies and socioeconomic impacts of failure in extreme events: emerging R&D challenges. <i>Natural Hazards</i> , 2015, 78, 2143-2168.	3.4	90
13	Identifying tourists and analyzing spatial patterns of their destinations from location-based social media data. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 96, 38-54.	7.6	72
14	A threshold model of social contagion process for evacuation decision making. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 1590-1605.	5.9	63
15	Crisis Communication Patterns in Social Media during Hurricane Sandy. <i>Transportation Research Record</i> , 2018, 2672, 125-137.	1.9	55
16	Quantifying human mobility resilience to extreme events using geo-located social media data. <i>EPJ Data Science</i> , 2019, 8, .	2.8	51
17	Understanding the efficiency of social media based crisis communication during hurricane Sandy. <i>International Journal of Information Management</i> , 2020, 52, 102060.	17.5	51
18	Location Contexts of User Check-Ins to Model Urban Geo Life-Style Patterns. <i>PLoS ONE</i> , 2015, 10, e0124819.	2.5	50

#	ARTICLE	IF	CITATIONS
19	A-RESCUE: An Agent based Regional Evacuation Simulator Coupled with User Enriched Behavior. Networks and Spatial Economics, 2017, 17, 197-223.	1.6	39
20	Applying machine learning approaches to analyze the vulnerable road-users' crashes at statewide traffic analysis zones. Journal of Safety Research, 2019, 70, 275-288.	3.6	35
21	Algal Morphological Identification in Watersheds for Drinking Water Supply Using Neural Architecture Search for Convolutional Neural Network. Water (Switzerland), 2019, 11, 1338.	2.7	33
22	Reconstructing Activity Location Sequences From Incomplete Check-In Data: A Semi-Markov Continuous-Time Bayesian Network Model. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 687-698.	8.0	31
23	Quantifying the impact of daily mobility on errors in air pollution exposure estimation using mobile phone location data. Environment International, 2020, 141, 105772.	10.0	30
24	Analysis of social interaction network properties and growth on Twitter. Social Network Analysis and Mining, 2018, 8, 1.	2.8	29
25	Predicting traffic demand during hurricane evacuation using Real-time data from transportation systems and social media. Transportation Research Part C: Emerging Technologies, 2021, 131, 103339.	7.6	29
26	Understanding Social Influence in Activity Location Choice and Lifestyle Patterns Using Geolocation Data from Social Media. Frontiers in ICT, 2016, 3, .	3.6	27
27	A multilabel classification approach to identify hurricane-induced infrastructure disruptions using social media data. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 1387-1402.	9.8	25
28	On the accuracy and potential of Google Maps location history data to characterize individual mobility for air pollution health studies. Environmental Pollution, 2019, 252, 924-930.	7.5	21
29	Joint inference of user community and interest patterns in social interaction networks. Social Network Analysis and Mining, 2019, 9, 1.	2.8	19
30	Modeling the dynamics of hurricane evacuation decisions from twitter data: An input output hidden markov modeling approach. Transportation Research Part C: Emerging Technologies, 2021, 123, 102976.	7.6	19
31	Short-Term Traffic Speed Prediction for Freeways During Hurricane Evacuation: A Deep Learning Approach. , 2018, , .		17
32	Towards reducing the number of crashes during hurricane evacuation: Assessing the potential safety impact of adaptive cruise control systems. Transportation Research Part C: Emerging Technologies, 2021, 128, 103188.	7.6	13
33	Accessibility and socio-economic development of human settlements. PLoS ONE, 2017, 12, e0179620.	2.5	13
34	Exploring network properties of social media interactions and activities during Hurricane Sandy. Transportation Research Interdisciplinary Perspectives, 2020, 6, 100143.	2.7	12
35	Real-time signal queue length prediction using long short-term memory neural network. Neural Computing and Applications, 2021, 33, 3311-3324.	5.6	11
36	Destination choice modeling using location-based social media data. Journal of Choice Modelling, 2019, 31, 22-34.	2.3	10

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37	Real-Time Twitter Data Mining Approach to Infer User Perception Toward Active Mobility. Transportation Research Record, 2021, 2675, 947-960.	1.9	10
38	Social Contagion Process in Informal Warning Networks to Understand Evacuation Timing Behavior. Journal of Public Health Management and Practice, 2013, 19, S68-S69.	1.4	9
39	Constructing activityâ€“mobility trajectories of college students based on smart card transaction data. International Journal of Transportation Science and Technology, 2017, 6, 316-329.	3.6	9
40	Identifying Pedestrian Crash Contributing Factors using Association Analysis and Their Implications for Development of Active Pedestrian Safety System. Transportation Research Record, 2020, 2674, 861-874.	1.9	8
41	Assessing the crash risks of evacuation: A matched case-control approach applied over data collected during Hurricane Irma. Accident Analysis and Prevention, 2021, 159, 106260.	5.7	8
42	Modeling of Travel Time Variations on Urban Links in London. Transportation Research Record, 2011, 2260, 1-7.	1.9	6
43	Understanding Tourist Destination Choices from Geo-tagged Tweets. , 2018, , .		3
44	Sharing Real-Time Traffic Information With Travelers Using Twitter: An Analysis of Effectiveness and Information Content. Frontiers in Built Environment, 2019, 5, .	2.3	3
45	Understanding the Heterogeneity of Human Mobility Patterns: User Characteristics and Modal Preferences. Sustainability, 2021, 13, 13921.	3.2	3
46	Analyzing the Travel and Charging Behavior of Electric Vehicles - A Data-driven Approach. , 2021, , .		1
47	Understanding Network Wide Hurricane Evacuation Traffic Pattern from Large-scale Traffic Detector Data. , 2021, , .		1
48	Spatio-temporal mobility patterns of on-demand ride-hailing service users. Transportation Letters, 0, , 1-12.	3.1	1
49	Predicting Individual Mobility Behavior of Ride-Hailing Service Users considering Heterogeneity of Trip Purposes. , 2021, , .		0