

Satish V Ukkusuri

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.

211
papers

6,174
citations

50
h-index

70
g-index

223
ext. papers

7,382
ext. citations

4.5
avg, IF

6.71
L-index

#	Paper	IF	Citations
211	Urban activity pattern classification using topic models from online geo-location data. <i>Transportation Research Part C: Emerging Technologies</i> , 2014 , 44, 363-381	8.4	181
210	A clustering regression approach: A comprehensive injury severity analysis of pedestrian-vehicle crashes in New York, US and Montreal, Canada. <i>Safety Science</i> , 2013 , 54, 27-37	5.8	167
209	Spatiotemporal Patterns of Urban Human Mobility. <i>Journal of Statistical Physics</i> , 2013 , 151, 304-318	1.5	162
208	Behavioral Model to Understand Household-Level Hurricane Evacuation Decision Making. <i>Journal of Transportation Engineering</i> , 2011 , 137, 341-348		153
207	Robust Transportation Network Design Under Demand Uncertainty. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2007 , 22, 6-18	8.4	145
206	The role of built environment on pedestrian crash frequency. <i>Safety Science</i> , 2012 , 50, 1141-1151	5.8	138
205	A linear programming formulation for autonomous intersection control within a dynamic traffic assignment and connected vehicle environment. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 55, 363-378	8.4	137
204	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	8.4	137
203	Spatial variation of the urban taxi ridership using GPS data. <i>Applied Geography</i> , 2015 , 59, 31-42	4.4	136
202	Exploring the determinants of pedestrian-vehicle crash severity in New York City. <i>Accident Analysis and Prevention</i> , 2013 , 50, 1298-309	6.1	128
201	Understanding urban human activity and mobility patterns using large-scale location-based data from online social media 2013 ,		125
200	Location Routing Approach for the Humanitarian Prepositioning Problem. <i>Transportation Research Record</i> , 2008 , 2089, 18-25	1.7	109
199	A Novel Transit Rider Satisfaction Metric: Rider Sentiments Measured from Online Social Media Data. <i>Journal of Public Transportation</i> , 2013 , 16, 21-45	26.8	101
198	An agent-based modeling system for travel demand simulation for hurricane evacuation. <i>Transportation Research Part C: Emerging Technologies</i> , 2014 , 42, 44-59	8.4	93
197	Multi-period transportation network design under demand uncertainty. <i>Transportation Research Part B: Methodological</i> , 2009 , 43, 625-642	7.2	92
196	The role of social capital, personal networks, and emergency responders in post-disaster recovery and resilience: a study of rural communities in Indiana. <i>Natural Hazards</i> , 2018 , 90, 1377-1406	3	91
195	A random-parameter hazard-based model to understand household evacuation timing behavior. <i>Transportation Research Part C: Emerging Technologies</i> , 2013 , 27, 108-116	8.4	89

194	Random Parameter Model Used to Explain Effects of Built-Environment Characteristics on Pedestrian Crash Frequency. <i>Transportation Research Record</i> , 2011 , 2237, 98-106	1.7	89
193	Emergency Logistics Issues Affecting the Response to Katrina: A Synthesis and Preliminary Suggestions for Improvement. <i>Transportation Research Record</i> , 2007 , 2022, 76-82	1.7	88
192	Non-compulsory measures sufficiently reduced human mobility in Tokyo during the COVID-19 epidemic. <i>Scientific Reports</i> , 2020 , 10, 18053	4.9	84
191	Overall Impacts of Off-Hour Delivery Programs in New York City Metropolitan Area. <i>Transportation Research Record</i> , 2011 , 2238, 68-76	1.7	81
190	A spatiotemporal deep learning approach for citywide short-term crash risk prediction with multi-source data. <i>Accident Analysis and Prevention</i> , 2019 , 122, 239-254	6.1	80
189	The Role of Social Networks and Information Sources on Hurricane Evacuation Decision Making. <i>Natural Hazards Review</i> , 2017 , 18, 04017005	3.5	79
188	Citywide Traffic Volume Estimation Using Trajectory Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 272-285	4.2	79
187	Household-Level Model for Hurricane Evacuation Destination Type Choice Using Hurricane Ivan Data. <i>Natural Hazards Review</i> , 2013 , 14, 11-20	3.5	76
186	Linear Programming Models for the User and System Optimal Dynamic Network Design Problem: Formulations, Comparisons and Extensions. <i>Networks and Spatial Economics</i> , 2008 , 8, 383-406	1.9	75
185	Lane-based real-time queue length estimation using license plate recognition data. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 57, 85-102	8.4	70
184	A Voronoi-Based Heuristic Algorithm for Locating Distribution Centers in Disasters. <i>Networks and Spatial Economics</i> , 2012 , 12, 21-39	1.9	69
183	Linear complementarity formulation for single bottleneck model with heterogeneous commuters. <i>Transportation Research Part B: Methodological</i> , 2010 , 44, 193-214	7.2	69
182	Estimation of real-driving emissions for buses fueled with liquefied natural gas based on gradient boosted regression trees. <i>Science of the Total Environment</i> , 2019 , 660, 741-750	10.2	67
181	How to Evacuate: Model for Understanding the Routing Strategies during Hurricane Evacuation. <i>Journal of Transportation Engineering</i> , 2014 , 140, 61-69		65
180	Inferring Urban Land Use Using Large-Scale Social Media Check-in Data. <i>Networks and Spatial Economics</i> , 2014 , 14, 647-667	1.9	65
179	Alternative Ordered Response Frameworks for Examining Pedestrian Injury Severity in New York City. <i>Journal of Transportation Safety and Security</i> , 2014 , 6, 275-300	1.7	64
178	Optimal assignment and incentive design in the taxi group ride problem. <i>Transportation Research Part B: Methodological</i> , 2017 , 103, 208-226	7.2	63
177	Analysis of hurricane evacuee mode choice behavior. <i>Transportation Research Part C: Emerging Technologies</i> , 2014 , 48, 37-46	8.4	61

176	Dynamic user equilibrium with a path based cell transmission model for general traffic networks. <i>Transportation Research Part B: Methodological</i> , 2012 , 46, 1657-1684	7.2	61
175	A methodology to assess the criticality of highway transportation networks. <i>Journal of Transportation Security</i> , 2009 , 2, 29-46	1.3	59
174	Optimizing the design of a solar cooling system using central composite design techniques. <i>Energy and Buildings</i> , 2011 , 43, 988-994	7	58
173	Complementarity formulations for the cell transmission model based dynamic user equilibrium with departure time choice, elastic demand and user heterogeneity. <i>Transportation Research Part B: Methodological</i> , 2011 , 45, 1749-1767	7.2	57
172	A robust transportation signal control problem accounting for traffic dynamics. <i>Computers and Operations Research</i> , 2010 , 37, 869-879	4.6	57
171	Accounting for dynamic speed limit control in a stochastic traffic environment: A reinforcement learning approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2014 , 41, 30-47	8.4	55
170	Geometric connectivity of vehicular ad hoc networks: Analytical characterization. <i>Transportation Research Part C: Emerging Technologies</i> , 2008 , 16, 615-634	8.4	55
169	Supply, demand, operations, and management of crowd-shipping services: A review and empirical evidence. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 103, 83-103	8.4	54
168	Integration of Environmental Objectives in a System Optimal Dynamic Traffic Assignment Model. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2012 , 27, 494-511	8.4	54
167	A threshold model of social contagion process for evacuation decision making. <i>Transportation Research Part B: Methodological</i> , 2011 , 45, 1590-1605	7.2	53
166	Changes in Evacuation Decisions between Hurricanes Ivan and Katrina. <i>Transportation Research Record</i> , 2012 , 2312, 98-107	1.7	53
165	Taxi market equilibrium with third-party hailing service. <i>Transportation Research Part B: Methodological</i> , 2017 , 100, 43-63	7.2	52
164	On the holding-back problem in the cell transmission based dynamic traffic assignment models. <i>Transportation Research Part B: Methodological</i> , 2012 , 46, 1218-1238	7.2	52
163	A random parameter ordered probit model to understand the mobilization time during hurricane evacuation. <i>Transportation Research Part C: Emerging Technologies</i> , 2013 , 32, 21-30	8.4	52
162	Dynamic User Equilibrium Model for Combined Activity-Travel Choices Using Activity-Travel Supernetwork Representation. <i>Networks and Spatial Economics</i> , 2010 , 10, 273-292	1.9	50
161	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 2479-2489	6.1	47
160	Use of Social Media Data to Explore Crisis Informatics: Study of 2013 Oklahoma Tornado. <i>Transportation Research Record</i> , 2014 , 2459, 110-118	1.7	44
159	Location contexts of user check-ins to model urban geo life-style patterns. <i>PLoS ONE</i> , 2015 , 10, e0124819	3.7	43

158	Crisis Communication Patterns in Social Media during Hurricane Sandy. <i>Transportation Research Record</i> , 2018 , 2672, 125-137	1.7	42
157	A Bi-level Formulation for the Combined Dynamic Equilibrium based Traffic Signal Control. <i>Procedia, Social and Behavioral Sciences</i> , 2013 , 80, 729-752		40
156	A junction-tree based learning algorithm to optimize network wide traffic control: A coordinated multi-agent framework. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 58, 487-501	8.4	40
155	Pareto Optimal Multiobjective Optimization for Robust Transportation Network Design Problem. <i>Transportation Research Record</i> , 2009 , 2090, 95-104	1.7	36
154	A-RESCUE: An Agent based Regional Evacuation Simulator Coupled with User Enriched Behavior. <i>Networks and Spatial Economics</i> , 2017 , 17, 197-223	1.9	34
153	Modeling joint evacuation decisions in social networks: The case of Hurricane Sandy. <i>Journal of Choice Modelling</i> , 2017 , 25, 50-60	3.8	33
152	Hurricane Evacuation Route Choice of Major Bridges in Miami Beach, Florida. <i>Transportation Research Record</i> , 2015 , 2532, 164-173	1.7	33
151	A cell based dynamic system optimum model with non-holding back flows. <i>Transportation Research Part C: Emerging Technologies</i> , 2013 , 36, 367-380	8.4	32
150	Unified Framework for Dynamic Traffic Assignment and Signal Control with Cell Transmission Model. <i>Transportation Research Record</i> , 2012 , 2311, 73-84	1.7	31
149	Optimal charging facility location and capacity for electric vehicles considering route choice and charging time equilibrium. <i>Computers and Operations Research</i> , 2020 , 113, 104776	4.6	30
148	On the existence of pricing strategies in the discrete time heterogeneous single bottleneck model. <i>Transportation Research Part B: Methodological</i> , 2011 , 45, 1483-1500	7.2	29
147	Optimizing the design of railway tank cars to minimize accident-caused releases. <i>Computers and Operations Research</i> , 2007 , 34, 1266-1286	4.6	28
146	A Bayesian mixture model for short-term average link travel time estimation using large-scale limited information trip-based data. <i>Automation in Construction</i> , 2016 , 72, 237-246	9.6	28
145	A statistical analysis of the dynamics of household hurricane-evacuation decisions. <i>Transportation</i> , 2018 , 45, 51-70	4	27
144	Learning-based traffic signal control algorithms with neighborhood information sharing: An application for sustainable mobility. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2018 , 22, 40-52	3.2	26
143	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 282-291	6.1	26
142	A continuous-time linear complementarity system for dynamic user equilibria in single bottleneck traffic flows. <i>Mathematical Programming</i> , 2012 , 133, 437-460	2.1	26
141	Experimental Economics and choice in transportation: Incentives and context. <i>Transportation Research Part C: Emerging Technologies</i> , 2017 , 77, 161-184	8.4	25

140	Impact of transportation network companies on urban congestion: Evidence from large-scale trajectory data. <i>Sustainable Cities and Society</i> , 2020 , 55, 102053	10.1	24
139	Modeling the Proactive Driving Behavior of Connected Vehicles: A Cell-Based Simulation Approach. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2018 , 33, 262-281	8.4	24
138	Dynamic Traffic Equilibrium: Theoretical and Experimental Network Game Results in Single-Bottleneck Model. <i>Transportation Research Record</i> , 2007 , 2029, 1-13	1.7	24
137	System-Optimal Stochastic Transportation Network Design. <i>Transportation Research Record</i> , 2007 , 2029, 80-86	1.7	24
136	Analysis of social interaction network properties and growth on Twitter. <i>Social Network Analysis and Mining</i> , 2018 , 8, 1	2.2	24
135	An efficient parallel sampling technique for Multivariate Poisson-Lognormal model: Analysis with two crash count datasets. <i>Analytic Methods in Accident Research</i> , 2015 , 8, 45-60	9.5	23
134	Demand clustering in freight logistics networks. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015 , 81, 36-51	9	20
133	Dynamic system optimal model for multi-OD traffic networks with an advanced spatial queuing model. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 51, 41-65	8.4	20
132	Reconstructing Activity Location Sequences From Incomplete Check-In Data: A Semi-Markov Continuous-Time Bayesian Network Model. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 687-698	6.1	20
131	Characterizing Urban Dynamics Using Large Scale Taxicab Data. <i>Computational Methods in Applied Sciences (Springer)</i> , 2015 , 17-32	0.4	20
130	Modeling the willingness to work as crowd-shippers and travel time tolerance in emerging logistics services. <i>Travel Behaviour & Society</i> , 2019 , 15, 123-132	5.3	19
129	B-Dynamic: An Efficient Algorithm for Dynamic User Equilibrium Assignment in Activity-Travel Networks1. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2011 , 26, 254-269	8.4	19
128	Optimization models to characterize the broadcast capacity of vehicular ad hoc networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2009 , 17, 571-585	8.4	19
127	How to Incorporate Accident Severity and Vehicle Occupancy into the Hot Spot Identification Process?. <i>Transportation Research Record</i> , 2009 , 2102, 53-60	1.7	19
126	Understanding Social Influence in Activity Location Choice and Lifestyle Patterns Using Geolocation Data from Social Media. <i>Frontiers in ICT</i> , 2016 , 3,	3.6	19
125	Optimal Fleet Size and Fare Setting in Emerging Taxi Markets with Stochastic Demand. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2016 , 31, 647-660	8.4	19
124	Integrating information from heterogeneous networks on social media to predict post-disaster returning behavior. <i>Journal of Computational Science</i> , 2019 , 32, 12-20	3.4	18
123	Benefits of in-vehicle consolidation in less than truckload freight transportation operations. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2013 , 60, 113-125	9	18

122	Understanding short-term travel behavior under personal mobility credit allowance scheme using experimental economics. <i>Transportation Research, Part D: Transport and Environment</i> , 2015 , 36, 121-137	6.4	18
121	Modeling Social Network Influence on Joint Trip Frequency for Regular Activity Travel Decisions. <i>Transportation Research Record</i> , 2015 , 2495, 83-93	1.7	18
120	A reinforcement learning approach for distance-based dynamic tolling in the stochastic network environment. <i>Journal of Advanced Transportation</i> , 2015 , 49, 247-266	1.9	17
119	Link-based traffic state estimation and prediction for arterial networks using license-plate recognition data. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 117, 102660	8.4	17
118	Understanding post-disaster population recovery patterns. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20190532	4.1	17
117	Resilience as an Objective in the Optimal Reconstruction Sequence for Transportation Networks. <i>Journal of Transportation Safety and Security</i> , 2015 , 7, 91-105	1.7	17
116	Inferring temporal motifs for travel pattern analysis using large scale smart card data. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 120, 102810	8.4	17
115	Joint modeling of evacuation departure and travel times in hurricanes. <i>Transportation</i> , 2019 , 46, 2419-2440	4.0	17
114	Toward General Principles for Resilience Engineering. <i>Risk Analysis</i> , 2020 , 40, 1509-1537	3.9	16
113	Exploring the trade-off between greenhouse gas emissions and travel time in daily travel decisions: Route and departure time choices. <i>Transportation Research, Part D: Transport and Environment</i> , 2014 , 32, 334-353	6.4	16
112	On the modelling of transportation evacuation: an agent-based discrete-event hybrid-space approach. <i>Journal of Simulation</i> , 2014 , 8, 259-270	1.9	16
111	Efficient proactive vehicle relocation for on-demand mobility service with recurrent neural networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 117, 102678	8.4	16
110	Modeling the Car-Truck Interaction in a System-Optimal Dynamic Traffic Assignment Model. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2014 , 18, 327-338	3.2	15
109	Impacts of urban built environment on empty taxi trips using limited geolocation data. <i>Transportation</i> , 2017 , 44, 1445-1473	4	15
108	Unraveling traveler mobility patterns and predicting user behavior in the Shenzhen metro system. <i>Transportmetrica A: Transport Science</i> , 2018 , 14, 576-597	2.5	15
107	Dynamics of functional failures and recovery in complex road networks. <i>Physical Review E</i> , 2017 , 96, 052301	3.1	14
106	Crowd-shipping services for last mile delivery: Analysis from American survey data. <i>Transportation Research Interdisciplinary Perspectives</i> , 2019 , 1, 100008	7.3	14
105	Determining the Impact of Personal Mobility Carbon Allowance Schemes in Transportation Networks. <i>Networks and Spatial Economics</i> , 2017 , 17, 505-545	1.9	14

104	Understanding and estimating the carbon dioxide emissions for urban buses at different road locations: A comparison between new-energy buses and conventional diesel buses. <i>Science of the Total Environment</i> , 2020 , 703, 135533	10.2	14
103	Joint inference of user community and interest patterns in social interaction networks. <i>Social Network Analysis and Mining</i> , 2019 , 9, 1	2.2	13
102	Effects of income inequality on evacuation, reentry and segregation after disasters. <i>Transportation Research, Part D: Transport and Environment</i> , 2020 , 82, 102260	6.4	12
101	Modeling Shadow Evacuation for Hurricanes with Random-Parameter Logit Model. <i>Transportation Research Record</i> , 2016 , 2599, 43-51	1.7	12
100	Attributes driving the selection of trucking services and the quantification of the shipper's willingness to pay. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 71, 142-158		12
99	Tradable emissions credits for personal travel: a market-based approach to achieve air quality standards. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2013 , 5, 145-157	0.6	12
98	Equilibria in Dynamic Selfish Routing. <i>Lecture Notes in Computer Science</i> , 2009 , 171-182	0.9	12
97	Managing morning commute congestion with a tradable credit scheme under commuter heterogeneity and market loss aversion behavior. <i>Transportmetrica B</i> , 2019 , 7, 1780-1808	1.8	12
96	Assessing the impact of urban off-hour delivery program using city scale simulation models. <i>EURO Journal on Transportation and Logistics</i> , 2016 , 5, 205-230	2.4	11
95	Managing congestion and emissions in transportation networks with dynamic carbon credit charge scheme. <i>Computers and Operations Research</i> , 2018 , 99, 90-108	4.6	11
94	Time-of-Day Pricing in Taxi Markets. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 1-13	6.1	10
93	Agent-based discrete-event hybrid space modeling approach for transportation evacuation simulation 2011 ,		10
92	Agent-based modeling for household level hurricane evacuation 2009 ,		10
91	Approximation Techniques for Transportation Network Design Problem under Demand Uncertainty. <i>Journal of Computing in Civil Engineering</i> , 2011 , 25, 316-329	5	10
90	Mobile phone data reveals the importance of pre-disaster inter-city social ties for recovery after Hurricane Maria. <i>Applied Network Science</i> , 2019 , 4,	2.9	9
89	Special Issue on Exploiting Wireless Communication Technologies in Vehicular Transportation Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2011 , 12, 633-634	6.1	9
88	Quantifying the economic impact of disasters on businesses using human mobility data: a Bayesian causal inference approach. <i>EPJ Data Science</i> , 2020 , 9,	3.4	9
87	Scaling of contact networks for epidemic spreading in urban transit systems. <i>Scientific Reports</i> , 2021 , 11, 4408	4.9	9

86	Width-Based Cell Transmission Model for Heterogeneous and Undisciplined Traffic Streams. <i>Transportation Research Record</i> , 2019 , 2673, 682-692	1.7	8
85	A novel approach to estimate emissions from large transportation networks: Hierarchical clustering-based link-driving-schedules for EPA-MOVES using dynamic time warping measures. <i>International Journal of Sustainable Transportation</i> , 2018 , 12, 192-204	3.6	8
84	An Algorithm for the One Commodity Pickup and Delivery Traveling Salesman Problem with Restricted Depot. <i>Networks and Spatial Economics</i> , 2016 , 16, 743-768	1.9	8
83	Social contagion process in informal warning networks to understand evacuation timing behavior. <i>Journal of Public Health Management and Practice</i> , 2013 , 19 Suppl 2, S68-9	1.9	8
82	Approximate analytical expressions for transportation network performance under demand uncertainty. <i>Transportation Letters</i> , 2010 , 2, 111-123	2.1	8
81	Exploring User Behavior in Online Network Equilibrium Problems. <i>Transportation Research Record</i> , 2007 , 2029, 31-38	1.7	8
80	Designing pricing and compensation schemes by integrating matching and routing models for crowd-shipping systems. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021 , 149, 102209	9	8
79	A-RESCUE 2.0: A High-Fidelity, Parallel, Agent-Based Evacuation Simulator. <i>Journal of Computing in Civil Engineering</i> , 2019 , 33, 04018059	5	8
78	Modeling urban taxi services with e-hailings: A queueing network approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 113, 332-349	8.4	8
77	Utilizing Geo-tagged Tweets to Understand Evacuation Dynamics during Emergencies 2018 ,		7
76	Sample Average Approximation Technique for Flexible Network Design Problem. <i>Journal of Computing in Civil Engineering</i> , 2011 , 25, 254-262	5	7
75	The Relative Mobility of Vehicles Improves the Performance of Information Flow in Vehicle Ad Hoc Networks. <i>Networks and Spatial Economics</i> , 2010 , 10, 209-240	1.9	7
74	Single-Point Approximations for Traffic Equilibrium Problem under Uncertain Demand		7
73	Direct transportation economic impacts of highway networks disruptions using public data from the United States. <i>Journal of Transportation Safety and Security</i> , 2016 , 8, 36-55	1.7	6
72	Alighting stop determination using two-step algorithms in bus transit systems. <i>Transportmetrica A: Transport Science</i> , 2019 , 15, 1522-1542	2.5	6
71	An optimal control approach to day-to-day congestion pricing for stochastic transportation networks. <i>Computers and Operations Research</i> , 2020 , 119, 104929	4.6	6
70	Returning home after Superstorm Sandy: phases in the return-entry process. <i>Natural Hazards</i> , 2020 , 101, 195-215	3	6
69	Financial Evaluation for Toll Road Projects Considering Traffic Volume and Serviceability Interactions. <i>Journal of Infrastructure Systems</i> , 2014 , 20, 04014012	2.9	6

68	Spatiotemporal contact density explains the disparity of COVID-19 spread in urban neighborhoods. <i>Scientific Reports</i> , 2021 , 11, 10952	4.9	6
67	Risk Assessment of Commercial dangerous -goods truck drivers using geo-location data: A case study in China. <i>Accident Analysis and Prevention</i> , 2020 , 137, 105427	6.1	5
66	Network Traffic Control in Cyber-Transportation Systems Accounting for User-Level Fairness. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2016 , 20, 4-16	3.2	5
65	Benefits of in-Vehicle Consolidation in Less than Truckload Freight Transportation Operations. <i>Procedia, Social and Behavioral Sciences</i> , 2013 , 80, 576-590		5
64	Efficient and fair system states in dynamic transportation networks. <i>Transportation Research Part B: Methodological</i> , 2017 , 104, 272-289	7.2	5
63	Understanding the Operational Dynamics of Mobility Service Providers. <i>ACM Transactions on Spatial Algorithms and Systems</i> , 2020 , 6, 1-20	1.8	5
62	Regional differences in resilience of social and physical systems: Case study of Puerto Rico after Hurricane Maria. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2021 , 48, 1042-1057	2	5
61	Modeling the Taxi Drivers' Customer-Searching Behaviors outside Downtown Areas. <i>Sustainability</i> , 2018 , 10, 3003	3.6	5
60	Exploring network properties of social media interactions and activities during Hurricane Sandy. <i>Transportation Research Interdisciplinary Perspectives</i> , 2020 , 6, 100143	7.3	4
59	Network Structure and Substantive Dimensions of Improvised Social Support Ties Surrounding Households during Post-Disaster Recovery. <i>Natural Hazards Review</i> , 2019 , 20, 04019008	3.5	4
58	Network Flow Methodology for Estimating Empty Trips in Freight Transportation Models. <i>Transportation Research Record</i> , 2013 , 2378, 110-119	1.7	4
57	Geometric connectivity of vehicular ad hoc networks 2007 ,		4
56	Short-Term Demand Forecasting for on-Demand Mobility Service. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-11	6.1	4
55	Enhancing demographic coverage of hurricane evacuation behavior modeling using social media. <i>Journal of Computational Science</i> , 2020 , 45, 101184	3.4	4
54	The Impact of International Crises on Maritime Transportation Based Global Value Chains. <i>Networks and Spatial Economics</i> , 2019 , 19, 381-408	1.9	4
53	Influencing factors and heterogeneity in ridership of traditional and app-based taxi systems. <i>Transportation</i> , 2020 , 47, 971-996	4	4
52	Multidimensional Scaling-Based Data Dimension Reduction Method for Application in Short-Term Traffic Flow Prediction for Urban Road Network. <i>Journal of Advanced Transportation</i> , 2018 , 2018, 1-10	1.9	4
51	Influencing Factors That Determine the Usage of the Crowd-Shipping Services. <i>Transportation Research Record</i> , 2019 , 2673, 550-566	1.7	3

50	User equilibrium with a policy-based link transmission model for stochastic time-dependent traffic networks. <i>Transportmetrica B</i> , 2019 , 7, 1013-1043	1.8	3
49	Determinants of full and partial household evacuation decision making in hurricane matthew. <i>Transportation Research, Part D: Transport and Environment</i> , 2020 , 83, 102313	6.4	3
48	Bus Capacity Estimation using Stochastic Queuing Models for Isolated Bus Stops in China. <i>Transportation Research Record</i> , 2018 , 2672, 108-120	1.7	3
47	Minimum cost flow problem formulation for the static vehicle allocation problem with stochastic lane demand in truckload strategic planning. <i>Transportmetrica A: Transport Science</i> , 2017 , 13, 893-914	2.5	3
46	Exploring the dynamics of surge pricing in mobility-on-demand taxi services 2017 ,		3
45	Understanding Transportation Systems Through the Lenses of Experimental Economics: A Review. <i>SSRN Electronic Journal</i> , 2015 ,	1	3
44	Delay analysis of signal control policies for an isolated intersection 2012 ,		3
43	Single-Point Approximations for Traffic Equilibrium Problem under Uncertain Demand. <i>Transportation Research Record</i> , 2006 , 1964, 169-175	1.7	3
42	Selectorecombinative Genetic Algorithm to Relax Computational Complexity of Discrete Network Design Problem. <i>Transportation Research Record</i> , 2006 , 1964, 91-103	1.7	3
41	Role of Uncertainty and Social Networks on Shadow Evacuation and Non-Compliance Behavior in Hurricanes. <i>Transportation Research Record</i> , 2021 , 2675, 53-64	1.7	3
40	City2City 2019 ,		3
39	Review of social influence in crisis communications and evacuation decision-making. <i>Transportation Research Interdisciplinary Perspectives</i> , 2021 , 9, 100325	7.3	3
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