Satish V Ukkusuri

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1799156/publications.pdf

Version: 2024-02-01

219 papers	8,599 citations	34016 52 h-index	60497 81 g-index
223 all docs	223 docs citations	223 times ranked	6161 citing authors

#	Article	IF	Citations
1	Urban activity pattern classification using topic models from online geo-location data. Transportation Research Part C: Emerging Technologies, 2014, 44, 363-381.	3.9	226
2	A clustering regression approach: A comprehensive injury severity analysis of pedestrianâ€“vehicle crashes in New York, US and Montreal, Canada. Safety Science, 2013, 54, 27-37.	2.6	213
3	Spatiotemporal Patterns of Urban Human Mobility. Journal of Statistical Physics, 2013, 151, 304-318.	0.5	206
4	The role of built environment on pedestrian crash frequency. Safety Science, 2012, 50, 1141-1151.	2.6	202
5	Spatial variation of the urban taxi ridership using GPS data. Applied Geography, 2015, 59, 31-42.	1.7	194
6	Behavioral Model to Understand Household-Level Hurricane Evacuation Decision Making. Journal of Transportation Engineering, 2011, 137, 341-348.	0.9	192
7	A linear programming formulation for autonomous intersection control within a dynamic traffic assignment and connected vehicle environment. Transportation Research Part C: Emerging Technologies, 2015, 55, 363-378.	3.9	177
8	Non-compulsory measures sufficiently reduced human mobility in Tokyo during the COVID-19 epidemic. Scientific Reports, 2020, 10, 18053.	1.6	176
9	A spatiotemporal deep learning approach for citywide short-term crash risk prediction with multi-source data. Accident Analysis and Prevention, 2019, 122, 239-254.	3.0	174
10	Exploring the determinants of pedestrianâ€“vehicle crash severity in New York City. Accident Analysis and Prevention, 2013, 50, 1298-1309.	3.0	168
11	Robust Transportation Network Design Under Demand Uncertainty. Computer-Aided Civil and Infrastructure Engineering, 2007, 22, 6-18.	6.3	164
12	Understanding urban human activity and mobility patterns using large-scale location-based data from online social media. , 2013, , .		161
13	Urban link travel time estimation using large-scale taxi data with partial information. Transportation Research Part C: Emerging Technologies, 2013, 33, 37-49.	3.9	160
14	The role of social capital, personal networks, and emergency responders in post-disaster recovery and resilience: a study of rural communities in Indiana. Natural Hazards, 2018, 90, 1377-1406.	1.6	149
15	A Novel Transit Rider Satisfaction Metric: Rider Sentiments Measured from Online Social Media Data. Journal of Public Transportation, 2013, 16, 21-45.	0.3	132
16	Location Routing Approach for the Humanitarian Prepositioning Problem. Transportation Research Record, 2008, 2089, 18-25.	1.0	131
17	Supply, demand, operations, and management of crowd-shipping services: A review and empirical evidence. Transportation Research Part C: Emerging Technologies, 2019, 103, 83-103.	3.9	128
18	An agent-based modeling system for travel demand simulation for hurricane evacuation. Transportation Research Part C: Emerging Technologies, 2014, 42, 44-59.	3.9	125

#	Article	IF	Citations
19	A random-parameter hazard-based model to understand household evacuation timing behavior. Transportation Research Part C: Emerging Technologies, 2013, 27, 108-116.	3.9	116
20	Citywide Traffic Volume Estimation Using Trajectory Data. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 272-285.	4.0	115
21	Random Parameter Model Used to Explain Effects of Built-Environment Characteristics on Pedestrian Crash Frequency. Transportation Research Record, 2011, 2237, 98-106.	1.0	112
22	Emergency Logistics Issues Affecting the Response to Katrina. Transportation Research Record, 2007, 2022, 76-82.	1.0	108
23	Multi-period transportation network design under demand uncertainty. Transportation Research Part B: Methodological, 2009, 43, 625-642.	2.8	106
24	The Role of Social Networks and Information Sources on Hurricane Evacuation Decision Making. Natural Hazards Review, 2017, 18, .	0.8	104
25	Household-Level Model for Hurricane Evacuation Destination Type Choice Using Hurricane Ivan Data. Natural Hazards Review, 2013, 14, 11-20.	0.8	97
26	Overall Impacts of Off-Hour Delivery Programs in New York City Metropolitan Area. Transportation Research Record, 2011, 2238, 68-76.	1.0	93
27	Lane-based real-time queue length estimation using license plate recognition data. Transportation Research Part C: Emerging Technologies, 2015, 57, 85-102.	3.9	87
28	Estimation of real-driving emissions for buses fueled with liquefied natural gas based on gradient boosted regression trees. Science of the Total Environment, 2019, 660, 741-750.	3.9	85
29	Alternative Ordered Response Frameworks for Examining Pedestrian Injury Severity in New York City. Journal of Transportation Safety and Security, 2014, 6, 275-300.	1.1	83
30	Optimal assignment and incentive design in the taxi group ride problem. Transportation Research Part B: Methodological, 2017, 103, 208-226.	2.8	83
31	A Voronoi-Based Heuristic Algorithm for Locating Distribution Centers in Disasters. Networks and Spatial Economics, 2012, 12, 21-39.	0.7	82
32	Linear Programming Models for the User and System Optimal Dynamic Network Design Problem: Formulations, Comparisons and Extensions. Networks and Spatial Economics, 2008, 8, 383-406.	0.7	79
33	Linear complementarity formulation for single bottleneck model with heterogeneous commuters. Transportation Research Part B: Methodological, 2010, 44, 193-214.	2.8	79
34	Inferring Urban Land Use Using Large-Scale Social Media Check-in Data. Networks and Spatial Economics, 2014, 14, 647-667.	0.7	78
35	How to Evacuate: Model for Understanding the Routing Strategies during Hurricane Evacuation. Journal of Transportation Engineering, 2014, 140, 61-69.	0.9	77
36	Dynamic user equilibrium with a path based cell transmission model for general traffic networks. Transportation Research Part B: Methodological, 2012, 46, 1657-1684.	2.8	76

#	Article	IF	Citations
37	A methodology to assess the criticality of highway transportation networks. Journal of Transportation Security, 2009, 2, 29-46.	0.9	73
38	A random parameter ordered probit model to understand the mobilization time during hurricane evacuation. Transportation Research Part C: Emerging Technologies, 2013, 32, 21-30.	3.9	72
39	Changes in Evacuation Decisions between Hurricanes Ivan and Katrina. Transportation Research Record, 2012, 2312, 98-107.	1.0	71
40	Analysis of hurricane evacuee mode choice behavior. Transportation Research Part C: Emerging Technologies, 2014, 48, 37-46.	3.9	71
41	A Graph-Based Approach to Measuring the Efficiency of an Urban Taxi Service System. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2479-2489.	4.7	71
42	Accounting for dynamic speed limit control in a stochastic traffic environment: A reinforcement learning approach. Transportation Research Part C: Emerging Technologies, 2014, 41, 30-47.	3.9	70
43	A robust transportation signal control problem accounting for traffic dynamics. Computers and Operations Research, 2010, 37, 869-879.	2.4	69
44	Optimizing the design of a solar cooling system using central composite design techniques. Energy and Buildings, 2011, 43, 988-994.	3.1	68
45	Geometric connectivity of vehicular ad hoc networks: Analytical characterization. Transportation Research Part C: Emerging Technologies, 2008, 16, 615-634.	3.9	67
46	Complementarity formulations for the cell transmission model based dynamic user equilibrium with departure time choice, elastic demand and user heterogeneity. Transportation Research Part B: Methodological, 2011, 45, 1749-1767.	2.8	66
47	A threshold model of social contagion process for evacuation decision making. Transportation Research Part B: Methodological, 2011, 45, 1590-1605.	2.8	63
48	Optimal charging facility location and capacity for electric vehicles considering route choice and charging time equilibrium. Computers and Operations Research, 2020, 113, 104776.	2.4	63
49	Taxi market equilibrium with third-party hailing service. Transportation Research Part B: Methodological, 2017, 100, 43-63.	2.8	62
50	On the holding-back problem in the cell transmission based dynamic traffic assignment models. Transportation Research Part B: Methodological, 2012, 46, 1218-1238.	2.8	59
51	Integration of Environmental Objectives in a System Optimal Dynamic Traffic Assignment Model. Computer-Aided Civil and Infrastructure Engineering, 2012, 27, 494-511.	6.3	59
52	Dynamic User Equilibrium Model for Combined Activity-Travel Choices Using Activity-Travel Supernetwork Representation. Networks and Spatial Economics, 2010, 10, 273-292.	0.7	56
53	Crisis Communication Patterns in Social Media during Hurricane Sandy. Transportation Research Record, 2018, 2672, 125-137.	1.0	55
54	A junction-tree based learning algorithm to optimize network wide traffic control: A coordinated multi-agent framework. Transportation Research Part C: Emerging Technologies, 2015, 58, 487-501.	3.9	54

#	Article	IF	Citations
55	Use of Social Media Data to Explore Crisis Informatics. Transportation Research Record, 2014, 2459, 110-118.	1.0	53
56	Location Contexts of User Check-Ins to Model Urban Geo Life-Style Patterns. PLoS ONE, 2015, 10, e0124819.	1.1	50
57	A statistical analysis of the dynamics of household hurricane-evacuation decisions. Transportation, 2018, 45, 51-70.	2.1	49
58	Modeling the willingness to work as crowd-shippers and travel time tolerance in emerging logistics services. Travel Behaviour & Society, 2019, 15, 123-132.	2.4	49
59	Modeling joint evacuation decisions in social networks: The case of Hurricane Sandy. Journal of Choice Modelling, 2017, 25, 50-60.	1.2	47
60	A Bi-level Formulation for the Combined Dynamic Equilibrium based Traffic Signal Control. Procedia, Social and Behavioral Sciences, 2013, 80, 729-752.	0.5	44
61	Understanding post-disaster population recovery patterns. Journal of the Royal Society Interface, 2020, 17, 20190532.	1.5	42
62	Pareto Optimal Multiobjective Optimization for Robust Transportation Network Design Problem. Transportation Research Record, 2009, 2090, 95-104.	1.0	40
63	A cell based dynamic system optimum model with non-holding back flows. Transportation Research Part C: Emerging Technologies, 2013, 36, 367-380.	3.9	40
64	A-RESCUE: An Agent based Regional Evacuation Simulator Coupled with User Enriched Behavior. Networks and Spatial Economics, 2017, 17, 197-223.	0.7	39
65	Toward General Principles for Resilience Engineering. Risk Analysis, 2020, 40, 1509-1537.	1.5	39
66	A Bayesian mixture model for short-term average link travel time estimation using large-scale limited information trip-based data. Automation in Construction, 2016, 72, 237-246.	4.8	38
67	Learning-based traffic signal control algorithms with neighborhood information sharing: An application for sustainable mobility. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2018, 22, 40-52.	2.6	38
68	Impact of transportation network companies on urban congestion: Evidence from large-scale trajectory data. Sustainable Cities and Society, 2020, 55, 102053.	5.1	38
69	Hurricane Evacuation Route Choice of Major Bridges in Miami Beach, Florida. Transportation Research Record, 2015, 2532, 164-173.	1.0	37
70	An Optimal Estimation Approach for the Calibration of the Car-Following Behavior of Connected Vehicles in a Mixed Traffic Environment. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 282-291.	4.7	37
71	Effects of income inequality on evacuation, reentry and segregation after disasters. Transportation Research, Part D: Transport and Environment, 2020, 82, 102260.	3.2	36
72	Unified Framework for Dynamic Traffic Assignment and Signal Control with Cell Transmission Model. Transportation Research Record, 2012, 2311, 73-84.	1.0	34

#	Article	IF	Citations
73	Modeling the Proactive Driving Behavior of Connected Vehicles: A Cellâ€Based Simulation Approach. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 262-281.	6.3	34
74	Optimizing the design of railway tank cars to minimize accident-caused releases. Computers and Operations Research, 2007, 34, 1266-1286.	2.4	32
75	On the existence of pricing strategies in the discrete time heterogeneous single bottleneck model. Transportation Research Part B: Methodological, 2011, 45, 1483-1500.	2.8	32
76	An efficient parallel sampling technique for Multivariate Poisson-Lognormal model: Analysis with two crash count datasets. Analytic Methods in Accident Research, 2015, 8, 45-60.	4.7	32
77	Experimental Economics and choice in transportation: Incentives and context. Transportation Research Part C: Emerging Technologies, 2017, 77, 161-184.	3.9	32
78	Inferring temporal motifs for travel pattern analysis using large scale smart card data. Transportation Research Part C: Emerging Technologies, 2020, 120, 102810.	3.9	32
79	Toward data-driven, dynamical complex systems approaches to disaster resilience. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	32
80	A continuous-time linear complementarity system for dynamic user equilibria in single bottleneck traffic flows. Mathematical Programming, 2012, 133, 437-460.	1.6	31
81	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.	4.7	31
82	Quantifying the economic impact of disasters on businesses using human mobility data: a Bayesian causal inference approach. EPJ Data Science, 2020, 9, .	1.5	30
83	Exploring cascading reliability of multi-modal public transit network based on complex networks. Reliability Engineering and System Safety, 2022, 221, 108367.	5.1	30
84	Understanding short-term travel behavior under personal mobility credit allowance scheme using experimental economics. Transportation Research, Part D: Transport and Environment, 2015, 36, 121-137.	3.2	29
85	Analysis of social interaction network properties and growth on Twitter. Social Network Analysis and Mining, 2018, 8, 1.	1.9	29
86	Joint modeling of evacuation departure and travel times in hurricanes. Transportation, 2019, 46, 2419-2440.	2.1	29
87	Link-based traffic state estimation and prediction for arterial networks using license-plate recognition data. Transportation Research Part C: Emerging Technologies, 2020, 117, 102660.	3.9	29
88	Efficient proactive vehicle relocation for on-demand mobility service with recurrent neural networks. Transportation Research Part C: Emerging Technologies, 2020, 117, 102678.	3.9	28
89	Quantifying the spatial homogeneity of urban road networks via graph neural networks. Nature Machine Intelligence, 2022, 4, 246-257.	8.3	28
90	Dynamic Traffic Equilibrium. Transportation Research Record, 2007, 2029, 1-13.	1.0	27

#	Article	IF	Citations
91	System-Optimal Stochastic Transportation Network Design. Transportation Research Record, 2007, 2029, 80-86.	1.0	27
92	Understanding Social Influence in Activity Location Choice and Lifestyle Patterns Using Geolocation Data from Social Media. Frontiers in ICT, 2016, 3, .	3.6	27
93	Designing pricing and compensation schemes by integrating matching and routing models for crowd-shipping systems. Transportation Research, Part E: Logistics and Transportation Review, 2021, 149, 102209.	3.7	27
94	Demand clustering in freight logistics networks. Transportation Research, Part E: Logistics and Transportation Review, 2015, 81, 36-51.	3.7	26
95	Integrating information from heterogeneous networks on social media to predict post-disaster returning behavior. Journal of Computational Science, 2019, 32, 12-20.	1.5	26
96	Spatiotemporal contact density explains the disparity of COVID-19 spread in urban neighborhoods. Scientific Reports, 2021, 11, 10952.	1.6	26
97	How to Incorporate Accident Severity and Vehicle Occupancy into the Hot Spot Identification Process?. Transportation Research Record, 2009, 2102, 53-60.	1.0	25
98	Modeling Social Network Influence on Joint Trip Frequency for Regular Activity Travel Decisions. Transportation Research Record, 2015, 2495, 83-93.	1.0	25
99	Optimal Fleet Size and Fare Setting in Emerging Taxi Markets with Stochastic Demand. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 647-660.	6.3	25
100	Crowd-shipping services for last mile delivery: Analysis from American survey data. Transportation Research Interdisciplinary Perspectives, 2019, 1, 100008.	1.6	25
101	Mobile phone location data for disasters: A review from natural hazards and epidemics. Computers, Environment and Urban Systems, 2022, 94, 101777.	3.3	25
102	Dynamic system optimal model for multi-OD traffic networks with an advanced spatial queuing model. Transportation Research Part C: Emerging Technologies, 2015, 51, 41-65.	3.9	24
103	A reinforcement learning approach for distanceâ€based dynamic tolling in the stochastic network environment. Journal of Advanced Transportation, 2015, 49, 247-266.	0.9	23
104	Characterizing Urban Dynamics Using Large Scale Taxicab Data. Computational Methods in Applied Sciences (Springer), 2015, , 17-32.	0.1	23
105	Optimization models to characterize the broadcast capacity of vehicular ad hoc networks. Transportation Research Part C: Emerging Technologies, 2009, 17, 571-585.	3.9	22
106	Modeling the Car-Truck Interaction in a System-Optimal Dynamic Traffic Assignment Model. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2014, 18, 327-338.	2.6	22
107	Resilience as an Objective in the Optimal Reconstruction Sequence for Transportation Networks. Journal of Transportation Safety and Security, 2015, 7, 91-105.	1.1	22
108	Unraveling traveler mobility patterns and predicting user behavior in the Shenzhen metro system. Transportmetrica A: Transport Science, 2018, 14, 576-597.	1.3	22

#	Article	IF	Citations
109	B-Dynamic: An Efficient Algorithm for Dynamic User Equilibrium Assignment in Activity-Travel Networks1. Computer-Aided Civil and Infrastructure Engineering, 2011, 26, 254-269.	6.3	21
110	Benefits of in-vehicle consolidation in less than truckload freight transportation operations. Transportation Research, Part E: Logistics and Transportation Review, 2013, 60, 113-125.	3.7	21
111	Understanding and estimating the carbon dioxide emissions for urban buses at different road locations: A comparison between new-energy buses and conventional diesel buses. Science of the Total Environment, 2020, 703, 135533.	3.9	21
112	Scaling of contact networks for epidemic spreading in urban transit systems. Scientific Reports, 2021, 11, 4408.	1.6	21
113	Mobile phone data reveals the importance of pre-disaster inter-city social ties for recovery after Hurricane Maria. Applied Network Science, 2019, 4, .	0.8	20
114	Resilience of Interdependent Urban Socio-Physical Systems using Large-Scale Mobility Data: Modeling Recovery Dynamics. Sustainable Cities and Society, 2021, 75, 103237.	5.1	20
115	Exploring the trade-off between greenhouse gas emissions and travel time in daily travel decisions: Route and departure time choices. Transportation Research, Part D: Transport and Environment, 2014, 32, 334-353.	3.2	19
116	Modeling Shadow Evacuation for Hurricanes with Random-Parameter Logit Model. Transportation Research Record, 2016, 2599, 43-51.	1.0	19
117	Dynamics of functional failures and recovery in complex road networks. Physical Review E, 2017, 96, 052301.	0.8	19
118	Joint inference of user community and interest patterns in social interaction networks. Social Network Analysis and Mining, 2019, 9, 1.	1.9	19
119	Determinants of full and partial household evacuation decision making in hurricane matthew. Transportation Research, Part D: Transport and Environment, 2020, 83, 102313.	3.2	19
120	On the modelling of transportation evacuation: an agent-based discrete-event hybrid-space approach. Journal of Simulation, 2014, 8, 259-270.	1.0	18
121	Assessing the impact of urban off-hour delivery program using city scale simulation models. EURO Journal on Transportation and Logistics, 2016, 5, 205-230.	1.3	18
122	Impacts of urban built environment on empty taxi trips using limited geolocation data. Transportation, 2017, 44, 1445-1473.	2.1	18
123	Attributes driving the selection of trucking services and the quantification of the shipperâ€™s willingness to pay. Transportation Research, Part E: Logistics and Transportation Review, 2014, 71, 142-158.	3.7	17
124	Managing congestion and emissions in transportation networks with dynamic carbon credit charge scheme. Computers and Operations Research, 2018, 99, 90-108.	2.4	17
125	Risk Assessment of Commercial dangerous -goods truck drivers using geo-location data: A case study in China. Accident Analysis and Prevention, 2020, 137, 105427.	3.0	17
126	Modeling and impact analysis of connected vehicle merging accounting for mainline random length tight-platoon. Physica A: Statistical Mechanics and Its Applications, 2021, 563, 125452.	1.2	17

#	Article	IF	Citations
127	On the existence of pricing strategies in the discrete time heterogeneous single bottleneck model. Procedia, Social and Behavioral Sciences, 2011, 17, 269-291.	0.5	16
128	Time-of-Day Pricing in Taxi Markets. IEEE Transactions on Intelligent Transportation Systems, 2017, , 1-13.	4.7	16
129	Equilibria in Dynamic Selfish Routing. Lecture Notes in Computer Science, 2009, , 171-182.	1.0	16
130	Agent-based modeling for household level hurricane evacuation. , 2009, , .		15
131	Tradable emissions credits for personal travel: a market-based approach to achieve air quality standards. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2013, 5, 145-157.	0.7	15
132	Determining the Impact of Personal Mobility Carbon Allowance Schemes in Transportation Networks. Networks and Spatial Economics, 2017, 17, 505-545.	0.7	15
133	Modeling urban taxi services with e-hailings: A queueing network approach. Transportation Research Part C: Emerging Technologies, 2020, 113, 332-349.	3.9	15
134	Review of social influence in crisis communications and evacuation decision-making. Transportation Research Interdisciplinary Perspectives, 2021, 9, 100325.	1.6	15
135	Width-Based Cell Transmission Model for Heterogeneous and Undisciplined Traffic Streams. Transportation Research Record, 2019, 2673, 682-692.	1.0	14
136	A-RESCUE 2.0: A High-Fidelity, Parallel, Agent-Based Evacuation Simulator. Journal of Computing in Civil Engineering, 2019, 33, .	2.5	14
137	Managing morning commute congestion with a tradable credit scheme under commuter heterogeneity and market loss aversion behavior. Transportmetrica B, 2019, 7, 1780-1808.	1.4	14
138	Alighting stop determination using two-step algorithms in bus transit systems. Transportmetrica A: Transport Science, 2019, 15, 1522-1542.	1.3	13
139	Role of Uncertainty and Social Networks on Shadow Evacuation and Non-Compliance Behavior in Hurricanes. Transportation Research Record, 2021, 2675, 53-64.	1.0	13
140	Exploring network properties of social media interactions and activities during Hurricane Sandy. Transportation Research Interdisciplinary Perspectives, 2020, 6, 100143.	1.6	12
141	Regional differences in resilience of social and physical systems: Case study of Puerto Rico after Hurricane Maria. Environment and Planning B: Urban Analytics and City Science, 2021, 48, 1042-1057.	1.0	12
142	Agent-based discrete-event hybrid space modeling approach for transportation evacuation simulation. , 2011, , .		11
143	Approximation Techniques for Transportation Network Design Problem under Demand Uncertainty. Journal of Computing in Civil Engineering, 2011, 25, 316-329.	2.5	11
144	Utilizing Geo-tagged Tweets to Understand Evacuation Dynamics during Emergencies. , 2018, , .		11

#	Article	IF	Citations
145	A novel approach to estimate emissions from large transportation networks: Hierarchical clustering-based link-driving-schedules for EPA-MOVES using dynamic time warping measures. International Journal of Sustainable Transportation, 2018, 12, 192-204.	2.1	11
146	Bus Capacity Estimation using Stochastic Queuing Models for Isolated Bus Stops in China. Transportation Research Record, 2018, 2672, 108-120.	1.0	11
147	Influencing Factors That Determine the Usage of the Crowd-Shipping Services. Transportation Research Record, 2019, 2673, 550-566.	1.0	11
148	Influencing factors and heterogeneity in ridership of traditional and app-based taxi systems. Transportation, 2020, 47, 971-996.	2.1	11
149	Exploring User Behavior in Online Network Equilibrium Problems. Transportation Research Record, 2007, 2029, 31-38.	1.0	10
150	Approximate analytical expressions for transportation network performance under demand uncertainty. Transportation Letters, 2010, 2, 111-123.	1.8	10
151	The Relative Mobility of Vehicles Improves the Performance of Information Flow in Vehicle Ad Hoc Networks. Networks and Spatial Economics, 2010, 10, 209-240.	0.7	10
152	Special Issue on Exploiting Wireless Communication Technologies in Vehicular Transportation Networks. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 633-634.	4.7	10
153	Financial Evaluation for Toll Road Projects Considering Traffic Volume and Serviceability Interactions. Journal of Infrastructure Systems, 2014, 20, 04014012.	1.0	10
154	An Algorithm for the One Commodity Pickup and Delivery Traveling Salesman Problem with Restricted Depot. Networks and Spatial Economics, 2016, 16, 743-768.	0.7	10
155	Returning home after Superstorm Sandy: phases in the return-entry process. Natural Hazards, 2020, 101, 195-215.	1.6	10
156	Modeling the Influence of Online Social Media Information on Post-Disaster Mobility Decisions. Sustainability, 2021, 13, 5254.	1.6	10
157	Early warning of COVID-19 hotspots using human mobility and web search query data. Computers, Environment and Urban Systems, 2022, 92, 101747.	3.3	10
158	Social Contagion Process in Informal Warning Networks to Understand Evacuation Timing Behavior. Journal of Public Health Management and Practice, 2013, 19, S68-S69.	0.7	9
159	Network Structure and Substantive Dimensions of Improvised Social Support Ties Surrounding Households during Post-Disaster Recovery. Natural Hazards Review, 2019, 20, .	0.8	9
160	Understanding the Operational Dynamics of Mobility Service Providers. ACM Transactions on Spatial Algorithms and Systems, 2020, 6, 1-20.	1.1	9
161	Sample Average Approximation Technique for Flexible Network Design Problem. Journal of Computing in Civil Engineering, 2011, 25, 254-262.	2.5	8
162	Predicting Evacuation Decisions using Representations of Individuals' Pre-Disaster Web Search Behavior. , 2019, , .		8

#	Article	IF	Citations
163	An optimal control approach to day-to-day congestion pricing for stochastic transportation networks. Computers and Operations Research, 2020, 119, 104929.	2.4	8
164	Geometric connectivity of vehicular ad hoc networks. , 2007, , .		7
165	Benefits of in-Vehicle Consolidation in Less than Truckload Freight Transportation Operations. Procedia, Social and Behavioral Sciences, 2013, 80, 576-590.	0.5	7
166	Network Traffic Control in Cyber-Transportation Systems Accounting for User-Level Fairness. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2016, 20, 4-16.	2.6	7
167	Direct transportation economic impacts of highway networks disruptions using public data from the United States. Journal of Transportation Safety and Security, 2016, 8, 36-55.	1.1	7
168	Short-Term Demand Forecasting for on-Demand Mobility Service. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1019-1029.	4.7	7
169	Enhancing demographic coverage of hurricane evacuation behavior modeling using social media. Journal of Computational Science, 2020, 45, 101184.	1.5	7
170	Single-Point Approximations for Traffic Equilibrium Problem under Uncertain Demand. , 0, .		7
171	Understanding the Recovery of On-Demand Mobility Services in the COVID-19 Era. Journal of Big Data Analytics in Transportation, 2022, 4, 1-21.	1.4	7
172	Efficient and fair system states in dynamic transportation networks. Transportation Research Part B: Methodological, 2017, 104, 272-289.	2.8	6
173	Modeling the Taxi Driversâ€™ Customer-Searching Behaviors outside Downtown Areas. Sustainability, 2018, 10, 3003.	1.6	6
174	Stationary Spatial Charging Demand Distribution for Commercial Electric Vehicles in Urban Area. , 2019, , .		6
175	An application of media and network multiplexity theory to the structure and perceptions of information environments in hurricane evacuation. Journal of the Association for Information Science and Technology, 2021, 72, 885-900.	1.5	6
176	City2City. , 2019, , .		6
177	Multidimensional Scaling-Based Data Dimension Reduction Method for Application in Short-Term Traffic Flow Prediction for Urban Road Network. Journal of Advanced Transportation, 2018, 2018, 1-10.	0.9	5
178	Mobility Impacts of Autonomous Vehicle Systems. , 2018, , .		5
179	The Impact of International Crises on Maritime Transportation Based Global Value Chains. Networks and Spatial Economics, 2019, 19, 381-408.	0.7	5
180	Delay analysis of signal control policies for an isolated intersection. , 2012, , .		4

#	Article	IF	Citations
181	Network Flow Methodology for Estimating Empty Trips in Freight Transportation Models. Transportation Research Record, 2013, 2378, 110-119.	1.0	4
182	Understanding Transportation Systems Through the Lenses of Experimental Economics: A Review. SSRN Electronic Journal, 0, , .	0.4	4
183	Exploring the dynamics of surge pricing in mobility-on-demand taxi services. , 2017, , .		4
184	Mobility Pattern Identification Based on Mobile Phone Data. Complex Networks and Dynamic Systems, 2019, , 217-232.	0.6	4
185	Fusing Mobile Phone and Travel Survey Data to Model Urban Activity Dynamics. Journal of Advanced Transportation, 2020, 2020, 1-17.	0.9	4
186	Share-a-Cab: Scalable Clustering Taxi Group Ride Stand From Huge Geolocation Data. IEEE Access, 2021, 9, 9771-9776.	2.6	4
187	Progression of hurricane evacuation-related dynamic decision-making with information processing. Transportation Research, Part D: Transport and Environment, 2022, 108, 103323.	3.2	4
188	Single-Point Approximations for Traffic Equilibrium Problem under Uncertain Demand. Transportation Research Record, 2006, 1964, 169-175.	1.0	3
189	Selectorecombinative Genetic Algorithm to Relax Computational Complexity of Discrete Network Design Problem. Transportation Research Record, 2006, 1964, 91-103.	1.0	3
190	Optimization Application for Financial Viability Evaluation of PPP Toll Road Projects. , 2012, , .		3
191	Minimum cost flow problem formulation for the static vehicle allocation problem with stochastic lane demand in truckload strategic planning. Transportmetrica A: Transport Science, 2017, 13, 893-914.	1.3	3
192	Spatial Dependency of Urban Sprawl and the Underlying Road Network Structure. Journal of the Urban Planning and Development Division, ASCE, 2019, 145, .	0.8	3
193	User equilibrium with a policy-based link transmission model for stochastic time-dependent traffic networks. Transportmetrica B, 2019, 7, 1013-1043.	1.4	3
194	Approximation algorithms for the recovery of infrastructure after disasters under precedence constraints. IFAC-PapersOnLine, 2019, 52, 175-180.	0.5	3
195	Estimating hurricane evacuation destination and accommodation type selection with perceived certainty variables. Transportation Research, Part D: Transport and Environment, 2022, 105, 103235.	3.2	3
196	Ridership prediction and anomaly detection in transportation hubs: an application to New York City. European Physical Journal: Special Topics, 2022, 231, 1655-1671.	1.2	3
197	A Complementarity Approach for an Environmentalâ€“Economic Game with Coupling Emission Constraints. Environmental Modeling and Assessment, 2013, 18, 147-158.	1.2	2
198	Modeling Urban Taxi Services with E-Hailings: A Queueing Network Approach. Transportation Research Procedia, 2019, 38, 751-771.	0.8	2

#	Article	IF	Citations
199	Multiclass, simultaneous route and departure time choice dynamic traffic assignment with an embedded spatial queuing model. Transportmetrica B, 2019, 7, 124-146.	1.4	2
200	Estimating the Sequencing of Evacuation Destination and Accommodation Type in Hurricanes. Journal of Homeland Security and Emergency Management, 2020, 17, .	0.2	2
201	Unsupervised Translation via Hierarchical Anchoring. , 2020, , .		2
202	Adaptive routing and guidance approach for transportation evacuation. , 2015, , .		1
203	From a Link-Node-Based Network Representation Model to a Lane-Based Network Representation Model: Two-Dimensional Arrangements Approach. Journal of Computing in Civil Engineering, 2015, 29, 04014045.	2.5	1
204	Pricing and Segmentation of Stochastic Demand in Less-Than-Truckload Combinatorial Bids. Transportation Research Record, 2016, 2567, 28-37.	1.0	1
205	An Approach to Assess the Impact of Dynamic Congestion in Vehicle Routing Problems. Complex Networks and Dynamic Systems, 2013, , 265-285.	0.6	1
206	Identifying the Temporal Characteristics of Intra-City Movement Using Taxi Geo-Location Data. Advances in Human and Social Aspects of Technology Book Series, 2017, , 68-88.	0.3	1
207	Online Energy-optimal Routing for Electric Vehicles with Combinatorial Multi-arm Semi-Bandit. , 2020, , .		1
208	Comprehensive Review of Emerging Technologies for Congestion Reduction and Safety. Transportation Research Record, 2009, 2129, 101-110.	1.0	0
209	Review of Wavelets in Intelligent Transportation Systems by Hojjat Adeli and Asim KarimWavelets in Intelligent Transportation SystemsJohn Wiley & Sons Ltd.. Journal of Transportation Engineering, 2010, 136, 597-597.	0.9	0
210	Special Issue on Dynamic Traffic Assignment, Parts 1 and 2. Networks and Spatial Economics, 2015, 15, 413-415.	0.7	0
211	Social-Media aided Hyperlocal Help-Network Matching & Routing during Emergencies. , 2018, , .		0
212	Social Network Influence on Mode Choice and Carpooling During Special Events: The Case of Purdue Game Day. , 2019, , 109-126.		0
213	Optimal Proactive Vehicle Relocation for On-Demand Mobility Service with Deep Convolution-LSTM Network. , 2019, , .		0
214	Understanding Spatiotemporal Variations of Ridership by Multiple Taxi Services. ISPRS International Journal of Geo-Information, 2020, 9, 757.	1.4	0
215	Optimal Repair Policies for Systems Deteriorating After Disruptions. IEEE Transactions on Automatic Control, 2021, , 1-1.	3.6	0
216	ADDS-EVS: An agent-based deployment decision-support system for electric vehicle services. , 2021, , .		0

#	Article	IF	Citations
217	How information heterogeneity influences traffic congestion during hurricane evacuation. , 2021, , .		0
218	Identifying the Temporal Characteristics of Intra-City Movement Using Taxi Geo-Location Data. , 0, , 311-331.		0
219	Patterns of Social Support and Trajectories of Household Recovery after Superstorm Sandy: Contrasting Influences of Bonding and Bridging Social Capital. Natural Hazards Review, 2022, 23, .	0.8	0