

# Satish V Ukkusuri

## List of Publications by Year in descending order

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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	Short-Term Demand Forecasting for on-Demand Mobility Service. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1019-1029.	4.7	7
2	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
3	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
4	Exploring cascading reliability of multi-modal public transit network based on complex networks. Reliability Engineering and System Safety, 2022, 221, 108367.	5.1	30
5	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
6	Quantifying the spatial homogeneity of urban road networks via graph neural networks. Nature Machine Intelligence, 2022, 4, 246-257.	8.3	28
7	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
8	Mobile phone location data for disasters: A review from natural hazards and epidemics. Computers, Environment and Urban Systems, 2022, 94, 101777.	3.3	25
9	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
10	Progression of hurricane evacuation-related dynamic decision-making with information processing. Transportation Research, Part D: Transport and Environment, 2022, 108, 103323.	3.2	4
11	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
12	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
13	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
14	Optimal Repair Policies for Systems Deteriorating After Disruptions. IEEE Transactions on Automatic Control, 2021, , 1-1.	3.6	0
15	Share-a-Cab: Scalable Clustering Taxi Group Ride Stand From Huge Geolocation Data. IEEE Access, 2021, 9, 9771-9776.	2.6	4
16	Scaling of contact networks for epidemic spreading in urban transit systems. Scientific Reports, 2021, 11, 4408.	1.6	21
17	Review of social influence in crisis communications and evacuation decision-making. Transportation Research Interdisciplinary Perspectives, 2021, 9, 100325.	1.6	15
18	Modeling the Influence of Online Social Media Information on Post-Disaster Mobility Decisions. Sustainability, 2021, 13, 5254.	1.6	10

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19	Spatiotemporal contact density explains the disparity of COVID-19 spread in urban neighborhoods. <i>Scientific Reports</i> , 2021, 11, 10952.	1.6	26
20	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.	3.7	27
21	Resilience of Interdependent Urban Socio-Physical Systems using Large-Scale Mobility Data: Modeling Recovery Dynamics. <i>Sustainable Cities and Society</i> , 2021, 75, 103237.	5.1	20
22	Role of Uncertainty and Social Networks on Shadow Evacuation and Non-Compliance Behavior in Hurricanes. <i>Transportation Research Record</i> , 2021, 2675, 53-64.	1.0	13
23	ADDS-EVS: An agent-based deployment decision-support system for electric vehicle services. , 2021, , .		0
24	How information heterogeneity influences traffic congestion during hurricane evacuation. , 2021, , .		0
25	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.	1.0	12
26	Influencing factors and heterogeneity in ridership of traditional and app-based taxi systems. <i>Transportation</i> , 2020, 47, 971-996.	2.1	11
27	Modeling urban taxi services with e-hailings: A queueing network approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 113, 332-349.	3.9	15
28	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.	2.4	63
29	Estimating the Sequencing of Evacuation Destination and Accommodation Type in Hurricanes. <i>Journal of Homeland Security and Emergency Management</i> , 2020, 17, .	0.2	2
30	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.	3.9	21
31	Fusing Mobile Phone and Travel Survey Data to Model Urban Activity Dynamics. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-17.	0.9	4
32	Inferring temporal motifs for travel pattern analysis using large scale smart card data. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 120, 102810.	3.9	32
33	Enhancing demographic coverage of hurricane evacuation behavior modeling using social media. <i>Journal of Computational Science</i> , 2020, 45, 101184.	1.5	7
34	Efficient proactive vehicle relocation for on-demand mobility service with recurrent neural networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 117, 102678.	3.9	28
35	Non-compulsory measures sufficiently reduced human mobility in Tokyo during the COVID-19 epidemic. <i>Scientific Reports</i> , 2020, 10, 18053.	1.6	176
36	Understanding Spatiotemporal Variations of Ridership by Multiple Taxi Services. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 757.	1.4	0

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37	Toward General Principles for Resilience Engineering. Risk Analysis, 2020, 40, 1509-1537.	1.5	39
38	Exploring network properties of social media interactions and activities during Hurricane Sandy. Transportation Research Interdisciplinary Perspectives, 2020, 6, 100143.	1.6	12
39	An optimal control approach to day-to-day congestion pricing for stochastic transportation networks. Computers and Operations Research, 2020, 119, 104929.	2.4	8
40	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
41	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
42	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
43	Effects of income inequality on evacuation, reentry and segregation after disasters. Transportation Research, Part D: Transport and Environment, 2020, 82, 102260.	3.2	36
44	Understanding post-disaster population recovery patterns. Journal of the Royal Society Interface, 2020, 17, 20190532.	1.5	42
45	Returning home after Superstorm Sandy: phases in the return-entry process. Natural Hazards, 2020, 101, 195-215.	1.6	10
46	Impact of transportation network companies on urban congestion: Evidence from large-scale trajectory data. Sustainable Cities and Society, 2020, 55, 102053.	5.1	38
47	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
48	Understanding the Operational Dynamics of Mobility Service Providers. ACM Transactions on Spatial Algorithms and Systems, 2020, 6, 1-20.	1.1	9
49	Unsupervised Translation via Hierarchical Anchoring. , 2020, , .		2
50	Online Energy-optimal Routing for Electric Vehicles with Combinatorial Multi-arm Semi-Bandit. , 2020, , .		1
51	Mobility Pattern Identification Based on Mobile Phone Data. Complex Networks and Dynamic Systems, 2019, , 217-232.	0.6	4
52	Network Structure and Substantive Dimensions of Improvised Social Support Ties Surrounding Households during Post-Disaster Recovery. Natural Hazards Review, 2019, 20, .	0.8	9
53	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
54	Predicting Evacuation Decisions using Representations of Individuals' Pre-Disaster Web Search Behavior. , 2019, , .		8

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55	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
56	Modeling Urban Taxi Services with E-Hailings: A Queueing Network Approach. Transportation Research Procedia, 2019, 38, 751-771.	0.8	2
57	Crowd-shipping services for last mile delivery: Analysis from American survey data. Transportation Research Interdisciplinary Perspectives, 2019, 1, 100008.	1.6	25
58	Influencing Factors That Determine the Usage of the Crowd-Shipping Services. Transportation Research Record, 2019, 2673, 550-566.	1.0	11
59	Alighting stop determination using two-step algorithms in bus transit systems. Transportmetrica A: Transport Science, 2019, 15, 1522-1542.	1.3	13
60	Joint inference of user community and interest patterns in social interaction networks. Social Network Analysis and Mining, 2019, 9, 1.	1.9	19
61	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
62	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
63	Width-Based Cell Transmission Model for Heterogeneous and Undisciplined Traffic Streams. Transportation Research Record, 2019, 2673, 682-692.	1.0	14
64	User equilibrium with a policy-based link transmission model for stochastic time-dependent traffic networks. Transportmetrica B, 2019, 7, 1013-1043.	1.4	3
65	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
66	Social Network Influence on Mode Choice and Carpooling During Special Events: The Case of Purdue Game Day. , 2019, , 109-126.		0
67	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
68	A-RESCUE 2.0: A High-Fidelity, Parallel, Agent-Based Evacuation Simulator. Journal of Computing in Civil Engineering, 2019, 33, .	2.5	14
69	Optimal Proactive Vehicle Relocation for On-Demand Mobility Service with Deep Convolution-LSTM Network. , 2019, , .		0
70	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
71	Stationary Spatial Charging Demand Distribution for Commercial Electric Vehicles in Urban Area. , 2019, , .		6
72	Approximation algorithms for the recovery of infrastructure after disasters under precedence constraints. IFAC-PapersOnLine, 2019, 52, 175-180.	0.5	3

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73	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
74	Joint modeling of evacuation departure and travel times in hurricanes. Transportation, 2019, 46, 2419-2440.	2.1	29
75	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
76	The Impact of International Crises on Maritime Transportation Based Global Value Chains. Networks and Spatial Economics, 2019, 19, 381-408.	0.7	5
77	City2City. , 2019, , .		6
78	Utilizing Geo-tagged Tweets to Understand Evacuation Dynamics during Emergencies. , 2018, , .		11
79	A statistical analysis of the dynamics of household hurricane-evacuation decisions. Transportation, 2018, 45, 51-70.	2.1	49
80	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
81	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
82	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
83	Modeling the Proactive Driving Behavior of Connected Vehicles: A Cell-Based Simulation Approach. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 262-281.	6.3	34
84	Unraveling traveler mobility patterns and predicting user behavior in the Shenzhen metro system. Transportmetrica A: Transport Science, 2018, 14, 576-597.	1.3	22
85	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
86	Social-Media aided Hyperlocal Help-Network Matching & Routing during Emergencies. , 2018, , .		0
87	Modeling the Taxi Drivers's Customer-Searching Behaviors outside Downtown Areas. Sustainability, 2018, 10, 3003.	1.6	6
88	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
89	Mobility Impacts of Autonomous Vehicle Systems. , 2018, , .		5
90	Analysis of social interaction network properties and growth on Twitter. Social Network Analysis and Mining, 2018, 8, 1.	1.9	29

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91	Crisis Communication Patterns in Social Media during Hurricane Sandy. Transportation Research Record, 2018, 2672, 125-137.	1.0	55
92	Managing congestion and emissions in transportation networks with dynamic carbon credit charge scheme. Computers and Operations Research, 2018, 99, 90-108.	2.4	17
93	Bus Capacity Estimation using Stochastic Queuing Models for Isolated Bus Stops in China. Transportation Research Record, 2018, 2672, 108-120.	1.0	11
94	A-RESCUE: An Agent based Regional Evacuation Simulator Coupled with User Enriched Behavior. Networks and Spatial Economics, 2017, 17, 197-223.	0.7	39
95	The Role of Social Networks and Information Sources on Hurricane Evacuation Decision Making. Natural Hazards Review, 2017, 18, .	0.8	104
96	Experimental Economics and choice in transportation: Incentives and context. Transportation Research Part C: Emerging Technologies, 2017, 77, 161-184.	3.9	32
97	Taxi market equilibrium with third-party hailing service. Transportation Research Part B: Methodological, 2017, 100, 43-63.	2.8	62
98	Time-of-Day Pricing in Taxi Markets. IEEE Transactions on Intelligent Transportation Systems, 2017, , 1-13.	4.7	16
99	Modeling joint evacuation decisions in social networks: The case of Hurricane Sandy. Journal of Choice Modelling, 2017, 25, 50-60.	1.2	47
100	Optimal assignment and incentive design in the taxi group ride problem. Transportation Research Part B: Methodological, 2017, 103, 208-226.	2.8	83
101	Dynamics of functional failures and recovery in complex road networks. Physical Review E, 2017, 96, 052301.	0.8	19
102	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
103	Efficient and fair system states in dynamic transportation networks. Transportation Research Part B: Methodological, 2017, 104, 272-289.	2.8	6
104	Citywide Traffic Volume Estimation Using Trajectory Data. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 272-285.	4.0	115
105	Determining the Impact of Personal Mobility Carbon Allowance Schemes in Transportation Networks. Networks and Spatial Economics, 2017, 17, 505-545.	0.7	15
106	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
107	Exploring the dynamics of surge pricing in mobility-on-demand taxi services. , 2017, , .		4
108	Impacts of urban built environment on empty taxi trips using limited geolocation data. Transportation, 2017, 44, 1445-1473.	2.1	18

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109	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
110	Understanding Social Influence in Activity Location Choice and Lifestyle Patterns Using Geolocation Data from Social Media. Frontiers in ICT, 2016, 3, .	3.6	27
111	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
112	Pricing and Segmentation of Stochastic Demand in Less-Than-Truckload Combinatorial Bids. Transportation Research Record, 2016, 2567, 28-37.	1.0	1
113	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
114	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
115	Modeling Shadow Evacuation for Hurricanes with Random-Parameter Logit Model. Transportation Research Record, 2016, 2599, 43-51.	1.0	19
116	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
117	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
118	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
119	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
120	Hurricane Evacuation Route Choice of Major Bridges in Miami Beach, Florida. Transportation Research Record, 2015, 2532, 164-173.	1.0	37
121	Adaptive routing and guidance approach for transportation evacuation. , 2015, , .		1
122	Location Contexts of User Check-Ins to Model Urban Geo Life-Style Patterns. PLoS ONE, 2015, 10, e0124819.	1.1	50
123	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
124	Modeling Social Network Influence on Joint Trip Frequency for Regular Activity Travel Decisions. Transportation Research Record, 2015, 2495, 83-93.	1.0	25
125	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
126	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



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127	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.	3.9	177
128	Spatial variation of the urban taxi ridership using GPS data. <i>Applied Geography</i> , 2015, 59, 31-42.	1.7	194
129	Lane-based real-time queue length estimation using license plate recognition data. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 57, 85-102.	3.9	87
130	Demand clustering in freight logistics networks. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 81, 36-51.	3.7	26
131	From a Link-Node-Based Network Representation Model to a Lane-Based Network Representation Model: Two-Dimensional Arrangements Approach. <i>Journal of Computing in Civil Engineering</i> , 2015, 29, 04014045.	2.5	1
132	Special Issue on Dynamic Traffic Assignment, Parts 1 and 2. <i>Networks and Spatial Economics</i> , 2015, 15, 413-415.	0.7	0
133	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.	4.7	32
134	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.	3.9	24
135	A reinforcement learning approach for distance-based dynamic tolling in the stochastic network environment. <i>Journal of Advanced Transportation</i> , 2015, 49, 247-266.	0.9	23
136	Characterizing Urban Dynamics Using Large Scale Taxicab Data. <i>Computational Methods in Applied Sciences (Springer)</i> , 2015, , 17-32.	0.1	23
137	How to Evacuate: Model for Understanding the Routing Strategies during Hurricane Evacuation. <i>Journal of Transportation Engineering</i> , 2014, 140, 61-69.	0.9	77
138	Use of Social Media Data to Explore Crisis Informatics. <i>Transportation Research Record</i> , 2014, 2459, 110-118.	1.0	53
139	Inferring Urban Land Use Using Large-Scale Social Media Check-in Data. <i>Networks and Spatial Economics</i> , 2014, 14, 647-667.	0.7	78
140	Financial Evaluation for Toll Road Projects Considering Traffic Volume and Serviceability Interactions. <i>Journal of Infrastructure Systems</i> , 2014, 20, 04014012.	1.0	10
141	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.	1.1	83
142	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.	3.2	19
143	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.	2.6	22
144	Analysis of hurricane evacuee mode choice behavior. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 48, 37-46.	3.9	71

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145	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.	3.7	17
146	An agent-based modeling system for travel demand simulation for hurricane evacuation. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 42, 44-59.	3.9	125
147	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.	3.9	70
148	Urban activity pattern classification using topic models from online geo-location data. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 44, 363-381.	3.9	226
149	On the modelling of transportation evacuation: an agent-based discrete-event hybrid-space approach. <i>Journal of Simulation</i> , 2014, 8, 259-270.	1.0	18
150	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.	2.6	213
151	A Bi-level Formulation for the Combined Dynamic Equilibrium based Traffic Signal Control. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 80, 729-752.	0.5	44
152	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.	3.9	160
153	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.	0.7	15
154	A cell based dynamic system optimum model with non-holding back flows. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 36, 367-380.	3.9	40
155	Benefits of in-Vehicle Consolidation in Less than Truckload Freight Transportation Operations. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 80, 576-590.	0.5	7
156	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.	3.7	21
157	Spatiotemporal Patterns of Urban Human Mobility. <i>Journal of Statistical Physics</i> , 2013, 151, 304-318.	0.5	206
158	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.	3.9	72
159	Exploring the determinants of pedestrian-vehicle crash severity in New York City. <i>Accident Analysis and Prevention</i> , 2013, 50, 1298-1309.	3.0	168
160	A Complementarity Approach for an Environmental-Economic Game with Coupling Emission Constraints. <i>Environmental Modeling and Assessment</i> , 2013, 18, 147-158.	1.2	2
161	A random-parameter hazard-based model to understand household evacuation timing behavior. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 27, 108-116.	3.9	116
162	Household-Level Model for Hurricane Evacuation Destination Type Choice Using Hurricane Ivan Data. <i>Natural Hazards Review</i> , 2013, 14, 11-20.	0.8	97

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163	Understanding urban human activity and mobility patterns using large-scale location-based data from online social media. , 2013, , .		161
164	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
165	Network Flow Methodology for Estimating Empty Trips in Freight Transportation Models. Transportation Research Record, 2013, 2378, 110-119.	1.0	4
166	An Approach to Assess the Impact of Dynamic Congestion in Vehicle Routing Problems. Complex Networks and Dynamic Systems, 2013, , 265-285.	0.6	1
167	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
168	Changes in Evacuation Decisions between Hurricanes Ivan and Katrina. Transportation Research Record, 2012, 2312, 98-107.	1.0	71
169	Delay analysis of signal control policies for an isolated intersection. , 2012, , .		4
170	Optimization Application for Financial Viability Evaluation of PPP Toll Road Projects. , 2012, , .		3
171	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
172	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
173	Unified Framework for Dynamic Traffic Assignment and Signal Control with Cell Transmission Model. Transportation Research Record, 2012, 2311, 73-84.	1.0	34
174	A Voronoi-Based Heuristic Algorithm for Locating Distribution Centers in Disasters. Networks and Spatial Economics, 2012, 12, 21-39.	0.7	82
175	A continuous-time linear complementarity system for dynamic user equilibria in single bottleneck traffic flows. Mathematical Programming, 2012, 133, 437-460.	1.6	31
176	The role of built environment on pedestrian crash frequency. Safety Science, 2012, 50, 1141-1151.	2.6	202
177	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
178	Agent-based discrete-event hybrid space modeling approach for transportation evacuation simulation. , 2011, , .		11
179	Special Issue on Exploiting Wireless Communication Technologies in Vehicular Transportation Networks. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 633-634.	4.7	10
180	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

#	ARTICLE	IF	CITATIONS
181	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.	2.8	66
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