Satish V Ukkusuri

List of Publications by Year in Descending Order

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	Exploring cascading reliability of multi-modal public transit network based on complex networks. *Reliability Engineering and System Safety*, **2022**, 221, 108367	6.3	0
210	Early warning of COVID-19 hotspots using human mobility and web search query data.. *Computers, Environment and Urban Systems*, **2022**, 92, 101747	5.9	0
209	Quantifying the spatial homogeneity of urban road networks via graph neural networks. *Nature Machine Intelligence*, **2022**, 4, 246-257	22.5	1
208	Estimating hurricane evacuation destination and accommodation type selection with perceived certainty variables. *Transportation Research, Part D: Transport and Environment*, **2022**, 105, 103235	6.4	0
207	Mobile phone location data for disasters: A review from natural hazards and epidemics. *Computers, Environment and Urban Systems*, **2022**, 94, 101777	5.9	0
206	Progression of hurricane evacuation-related dynamic decision-making with information processing. *Transportation Research, Part D: Transport and Environment*, **2022**, 108, 103323	6.4	
205	Role of Uncertainty and Social Networks on Shadow Evacuation and Non-Compliance Behavior in Hurricanes. *Transportation Research Record*, **2021**, 2675, 53-64	1.7	3
204	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	2	5
203	Review of social influence in crisis communications and evacuation decision-making. *Transportation Research Interdisciplinary Perspectives*, **2021**, 9, 100325	7.3	3
202	Modeling the Influence of Online Social Media Information on Post-Disaster Mobility Decisions. *Sustainability*, **2021**, 13, 5254	3.6	3
201	Spatiotemporal contact density explains the disparity of COVID-19 spread in urban neighborhoods. *Scientific Reports*, **2021**, 11, 10952	4.9	6
200	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	9	8
199	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	3.3	3
198	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	2.7	2
197	. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	
196	Share-a-Cab: Scalable Clustering Taxi Group Ride Stand From Huge Geolocation Data. *IEEE Access*, **2021**, 9, 9771-9776	3.5	0
195	Scaling of contact networks for epidemic spreading in urban transit systems. *Scientific Reports*, **2021**, 11, 4408	4.9	9

194	Resilience of Interdependent Urban Socio-Physical Systems using Large-Scale Mobility Data: Modeling Recovery Dynamics. *Sustainable Cities and Society*, **2021**, 75, 103237	10.1	2
193	Toward General Principles for Resilience Engineering. *Risk Analysis*, **2020**, 40, 1509-1537	3.9	16
192	Exploring network properties of social media interactions and activities during Hurricane Sandy. *Transportation Research Interdisciplinary Perspectives*, **2020**, 6, 100143	7.3	4
191	An optimal control approach to day-to-day congestion pricing for stochastic transportation networks. *Computers and Operations Research*, **2020**, 119, 104929	4.6	6
190	Link-based traffic state estimation and prediction for arterial networks using license-plate recognition data. *Transportation Research Part C: Emerging Technologies*, **2020**, 117, 102660	8.4	17
189	Determinants of full and partial household evacuation decision making in hurricane matthew. *Transportation Research, Part D: Transport and Environment*, **2020**, 83, 102313	6.4	3
188	Risk Assessment of Commercial dangerous -goods truck drivers using geo-location data: A case study in China. *Accident Analysis and Prevention*, **2020**, 137, 105427	6.1	5
187	Effects of income inequality on evacuation, reentry and segregation after disasters. *Transportation Research, Part D: Transport and Environment*, **2020**, 82, 102260	6.4	12
186	Understanding post-disaster population recovery patterns. *Journal of the Royal Society Interface*, **2020**, 17, 20190532	4.1	17
185	Returning home after Superstorm Sandy: phases in the return-entry process. *Natural Hazards*, **2020**, 101, 195-215	3	6
184	Impact of transportation network companies on urban congestion: Evidence from large-scale trajectory data. *Sustainable Cities and Society*, **2020**, 55, 102053	10.1	24
183	Quantifying the economic impact of disasters on businesses using human mobility data: a Bayesian causal inference approach. *EPJ Data Science*, **2020**, 9,	3.4	9
182	Understanding the Operational Dynamics of Mobility Service Providers. *ACM Transactions on Spatial Algorithms and Systems*, **2020**, 6, 1-20	1.8	5
181	Unsupervised Translation via Hierarchical Anchoring **2020**,		1
180	Estimating the Sequencing of Evacuation Destination and Accommodation Type in Hurricanes. *Journal of Homeland Security and Emergency Management*, **2020**, 17,	1.2	1
179	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	10.2	14
178	Short-Term Demand Forecasting for on-Demand Mobility Service. *IEEE Transactions on Intelligent Transportation Systems*, **2020**, 1-11	6.1	4
177	Fusing Mobile Phone and Travel Survey Data to Model Urban Activity Dynamics. *Journal of Advanced Transportation*, **2020**, 2020, 1-17	1.9	2

176	Inferring temporal motifs for travel pattern analysis using large scale smart card data. *Transportation Research Part C: Emerging Technologies*, **2020**, 120, 102810	8.4	17
175	Enhancing demographic coverage of hurricane evacuation behavior modeling using social media. *Journal of Computational Science*, **2020**, 45, 101184	3.4	4
174	Efficient proactive vehicle relocation for on-demand mobility service with recurrent neural networks. *Transportation Research Part C: Emerging Technologies*, **2020**, 117, 102678	8.4	16
173	Non-compulsory measures sufficiently reduced human mobility in Tokyo during the COVID-19 epidemic. *Scientific Reports*, **2020**, 10, 18053	4.9	84
172	Understanding Spatiotemporal Variations of Ridership by Multiple Taxi Services. *ISPRS International Journal of Geo-Information*, **2020**, 9, 757	2.9	
171	Influencing factors and heterogeneity in ridership of traditional and app-based taxi systems. *Transportation*, **2020**, 47, 971-996	4	4
170	Modeling urban taxi services with e-hailings: A queueing network approach. *Transportation Research Part C: Emerging Technologies*, **2020**, 113, 332-349	8.4	8
169	Optimal charging facility location and capacity for electric vehicles considering route choice and charging time equilibrium. *Computers and Operations Research*, **2020**, 113, 104776	4.6	30
168	Predicting Evacuation Decisions using Representations of Individuals' Pre-Disaster Web Search Behavior **2019**,		1
167	Spatial Dependency of Urban Sprawl and the Underlying Road Network Structure. *Journal of the Urban Planning and Development Division, ASCE*, **2019**, 145, 04019014	2.2	2
166	Modeling Urban Taxi Services with E-Hailings: A Queueing Network Approach. *Transportation Research Procedia*, **2019**, 38, 751-771	2.4	1
165	Crowd-shipping services for last mile delivery: Analysis from American survey data. *Transportation Research Interdisciplinary Perspectives*, **2019**, 1, 100008	7.3	14
164	Influencing Factors That Determine the Usage of the Crowd-Shipping Services. *Transportation Research Record*, **2019**, 2673, 550-566	1.7	3
163	Alighting stop determination using two-step algorithms in bus transit systems. *Transportmetrica A: Transport Science*, **2019**, 15, 1522-1542	2.5	6
162	Joint inference of user community and interest patterns in social interaction networks. *Social Network Analysis and Mining*, **2019**, 9, 1	2.2	13
161	Modeling the willingness to work as crowd-shippers and travel time tolerance in emerging logistics services. *Travel Behaviour & Society*, **2019**, 15, 123-132	5.3	19
160	Supply, demand, operations, and management of crowd-shipping services: A review and empirical evidence. *Transportation Research Part C: Emerging Technologies*, **2019**, 103, 83-103	8.4	54
159	Width-Based Cell Transmission Model for Heterogeneous and Undisciplined Traffic Streams. *Transportation Research Record*, **2019**, 2673, 682-692	1.7	8

158	User equilibrium with a policy-based link transmission model for stochastic time-dependent traffic networks. *Transportmetrica B*, **2019**, 7, 1013-1043	1.8	3
157	Integrating information from heterogeneous networks on social media to predict post-disaster returning behavior. *Journal of Computational Science*, **2019**, 32, 12-20	3.4	18
156	Mobility Pattern Identification Based on Mobile Phone Data. *Complex Networks and Dynamic Systems*, **2019**, 217-232	0.2	1
155	Network Structure and Substantive Dimensions of Improvised Social Support Ties Surrounding Households during Post-Disaster Recovery. *Natural Hazards Review*, **2019**, 20, 04019008	3.5	4
154	Mobile phone data reveals the importance of pre-disaster inter-city social ties for recovery after Hurricane Maria. *Applied Network Science*, **2019**, 4,	2.9	9
153	City2City **2019**,		3
152	Social Network Influence on Mode Choice and Carpooling During Special Events: The Case of Purdue Game Day **2019**, 109-126		
151	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	10.2	67
150	A-RESCUE 2.0: A High-Fidelity, Parallel, Agent-Based Evacuation Simulator. *Journal of Computing in Civil Engineering*, **2019**, 33, 04018059	5	8
149	Managing morning commute congestion with a tradable credit scheme under commuter heterogeneity and market loss aversion behavior. *Transportmetrica B*, **2019**, 7, 1780-1808	1.8	12
148	Stationary Spatial Charging Demand Distribution for Commercial Electric Vehicles in Urban Area **2019**,		2
147	Approximation algorithms for the recovery of infrastructure after disasters under precedence constraints. *IFAC-PapersOnLine*, **2019**, 52, 175-180	0.7	3
146	A spatiotemporal deep learning approach for citywide short-term crash risk prediction with multi-source data. *Accident Analysis and Prevention*, **2019**, 122, 239-254	6.1	80
145	Joint modeling of evacuation departure and travel times in hurricanes. *Transportation*, **2019**, 46, 2419-2440	4	17
144	Multiclass, simultaneous route and departure time choice dynamic traffic assignment with an embedded spatial queuing model. *Transportmetrica B*, **2019**, 7, 124-146	1.8	1
143	The Impact of International Crises on Maritime Transportation Based Global Value Chains. *Networks and Spatial Economics*, **2019**, 19, 381-408	1.9	4
142	Utilizing Geo-tagged Tweets to Understand Evacuation Dynamics during Emergencies **2018**,		7
141	A statistical analysis of the dynamics of household hurricane-evacuation decisions. *Transportation*, **2018**, 45, 51-70	4	27

140	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	6.1	20
139	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	3.6	8
138	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	3.2	26
137	Modeling the Proactive Driving Behavior of Connected Vehicles: A Cell-Based Simulation Approach. *Computer-Aided Civil and Infrastructure Engineering*, **2018**, 33, 262-281	8.4	24
136	Bus Capacity Estimation using Stochastic Queuing Models for Isolated Bus Stops in China. *Transportation Research Record*, **2018**, 2672, 108-120	1.7	3
135	Unraveling traveler mobility patterns and predicting user behavior in the Shenzhen metro system. *Transportmetrica A: Transport Science*, **2018**, 14, 576-597	2.5	15
134	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	3	91
133	Modeling the Taxi Drivers Customer-Searching Behaviors outside Downtown Areas. *Sustainability*, **2018**, 10, 3003	3.6	5
132	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	1.9	4
131	Mobility Impacts of Autonomous Vehicle Systems **2018**,		3
130	Analysis of social interaction network properties and growth on Twitter. *Social Network Analysis and Mining*, **2018**, 8, 1	2.2	24
129	Crisis Communication Patterns in Social Media during Hurricane Sandy. *Transportation Research Record*, **2018**, 2672, 125-137	1.7	42
128	Managing congestion and emissions in transportation networks with dynamic carbon credit charge scheme. *Computers and Operations Research*, **2018**, 99, 90-108	4.6	11
127	A-RESCUE: An Agent based Regional Evacuation Simulator Coupled with User Enriched Behavior. *Networks and Spatial Economics*, **2017**, 17, 197-223	1.9	34
126	The Role of Social Networks and Information Sources on Hurricane Evacuation Decision Making. *Natural Hazards Review*, **2017**, 18, 04017005	3.5	79
125	Experimental Economics and choice in transportation: Incentives and context. *Transportation Research Part C: Emerging Technologies*, **2017**, 77, 161-184	8.4	25
124	Taxi market equilibrium with third-party hailing service. *Transportation Research Part B: Methodological*, **2017**, 100, 43-63	7.2	52
123	Time-of-Day Pricing in Taxi Markets. *IEEE Transactions on Intelligent Transportation Systems*, **2017**, 1-13	6.1	10

122	Modeling joint evacuation decisions in social networks: The case of Hurricane Sandy. *Journal of Choice Modelling*, **2017**, 25, 50-60	3.8	33
121	Optimal assignment and incentive design in the taxi group ride problem. *Transportation Research Part B: Methodological*, **2017**, 103, 208-226	7.2	63
120	Dynamics of functional failures and recovery in complex road networks. *Physical Review E*, **2017**, 96, 052301		14
119	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	2.5	3
118	Efficient and fair system states in dynamic transportation networks. *Transportation Research Part B: Methodological*, **2017**, 104, 272-289	7.2	5
117	Citywide Traffic Volume Estimation Using Trajectory Data. *IEEE Transactions on Knowledge and Data Engineering*, **2017**, 29, 272-285	4.2	79
116	Determining the Impact of Personal Mobility Carbon Allowance Schemes in Transportation Networks. *Networks and Spatial Economics*, **2017**, 17, 505-545	1.9	14
115	. *IEEE Transactions on Intelligent Transportation Systems*, **2017**, 18, 282-291	6.1	26
114	Exploring the dynamics of surge pricing in mobility-on-demand taxi services **2017**,		3
113	Impacts of urban built environment on empty taxi trips using limited geolocation data. *Transportation*, **2017**, 44, 1445-1473	4	15
112	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	0.2	1
111	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	1.7	6
110	Assessing the impact of urban off-hour delivery program using city scale simulation models. *EURO Journal on Transportation and Logistics*, **2016**, 5, 205-230	2.4	11
109	Modeling Shadow Evacuation for Hurricanes with Random-Parameter Logit Model. *Transportation Research Record*, **2016**, 2599, 43-51	1.7	12
108	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	3.2	5
107	An Algorithm for the One Commodity Pickup and Delivery Traveling Salesman Problem with Restricted Depot. *Networks and Spatial Economics*, **2016**, 16, 743-768	1.9	8
106	Understanding Social Influence in Activity Location Choice and Lifestyle Patterns Using Geolocation Data from Social Media. *Frontiers in ICT*, **2016**, 3,	3.6	19
105	Optimal Fleet Size and Fare Setting in Emerging Taxi Markets with Stochastic Demand. *Computer-Aided Civil and Infrastructure Engineering*, **2016**, 31, 647-660	8.4	19

104	Pricing and Segmentation of Stochastic Demand in Less-Than-Truckload Combinatorial Bids. *Transportation Research Record*, **2016**, 2567, 28-37	1.7	1
103	. *IEEE Transactions on Intelligent Transportation Systems*, **2016**, 17, 2479-2489	6.1	47
102	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	9.6	28
101	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	8.4	137
100	Spatial variation of the urban taxi ridership using GPS data. *Applied Geography*, **2015**, 59, 31-42	4.4	136
99	Lane-based real-time queue length estimation using license plate recognition data. *Transportation Research Part C: Emerging Technologies*, **2015**, 57, 85-102	8.4	70
98	Demand clustering in freight logistics networks. *Transportation Research, Part E: Logistics and Transportation Review*, **2015**, 81, 36-51	9	20
97	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	5	1
96	Special Issue on Dynamic Traffic Assignment, Parts 1 and 2. *Networks and Spatial Economics*, **2015**, 15, 413-415	1.9	
95	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	9.5	23
94	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	8.4	20
93	A reinforcement learning approach for distance-based dynamic tolling in the stochastic network environment. *Journal of Advanced Transportation*, **2015**, 49, 247-266	1.9	17
92	Hurricane Evacuation Route Choice of Major Bridges in Miami Beach, Florida. *Transportation Research Record*, **2015**, 2532, 164-173	1.7	33
91	Adaptive routing and guidance approach for transportation evacuation **2015**,		1
90	Understanding Transportation Systems Through the Lenses of Experimental Economics: A Review. *SSRN Electronic Journal*, **2015**,	1	3
89	Location contexts of user check-ins to model urban geo life-style patterns. *PLoS ONE*, **2015**, 10, e0124819	3.7	43
88	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	6.4	18
87	Modeling Social Network Influence on Joint Trip Frequency for Regular Activity Travel Decisions. *Transportation Research Record*, **2015**, 2495, 83-93	1.7	18

86	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	8.4	40
85	Resilience as an Objective in the Optimal Reconstruction Sequence for Transportation Networks. *Journal of Transportation Safety and Security*, **2015**, 7, 91-105	1.7	17
84	Characterizing Urban Dynamics Using Large Scale Taxicab Data. *Computational Methods in Applied Sciences (Springer)*, **2015**, 17-32	0.4	20
83	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	6.4	16
82	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	3.2	15
81	Analysis of hurricane evacuee mode choice behavior. *Transportation Research Part C: Emerging Technologies*, **2014**, 48, 37-46	8.4	61
80	Attributes driving the selection of trucking services and the quantification of the shipper's willingness to pay. *Transportation Research, Part E: Logistics and Transportation Review*, **2014**, 71, 142-158	8	12
79	An agent-based modeling system for travel demand simulation for hurricane evacuation. *Transportation Research Part C: Emerging Technologies*, **2014**, 42, 44-59	8.4	93
78	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	8.4	55
77	Urban activity pattern classification using topic models from online geo-location data. *Transportation Research Part C: Emerging Technologies*, **2014**, 44, 363-381	8.4	181
76	On the modelling of transportation evacuation: an agent-based discrete-event hybrid-space approach. *Journal of Simulation*, **2014**, 8, 259-270	1.9	16
75	How to Evacuate: Model for Understanding the Routing Strategies during Hurricane Evacuation. *Journal of Transportation Engineering*, **2014**, 140, 61-69		65
74	Use of Social Media Data to Explore Crisis Informatics: Study of 2013 Oklahoma Tornado. *Transportation Research Record*, **2014**, 2459, 110-118	1.7	44
73	Inferring Urban Land Use Using Large-Scale Social Media Check-in Data. *Networks and Spatial Economics*, **2014**, 14, 647-667	1.9	65
72	Financial Evaluation for Toll Road Projects Considering Traffic Volume and Serviceability Interactions. *Journal of Infrastructure Systems*, **2014**, 20, 04014012	2.9	6
71	Alternative Ordered Response Frameworks for Examining Pedestrian Injury Severity in New York City. *Journal of Transportation Safety and Security*, **2014**, 6, 275-300	1.7	64
70	A clustering regression approach: A comprehensive injury severity analysis of pedestrian-vehicle crashes in New York, US and Montreal, Canada. *Safety Science*, **2013**, 54, 27-37	5.8	167
69	A Bi-level Formulation for the Combined Dynamic Equilibrium based Traffic Signal Control. *Procedia, Social and Behavioral Sciences*, **2013**, 80, 729-752		40

68	Urban link travel time estimation using large-scale taxi data with partial information. *Transportation Research Part C: Emerging Technologies*, **2013**, 33, 37-49	8.4	137
67	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	0.6	12
66	A cell based dynamic system optimum model with non-holding back flows. *Transportation Research Part C: Emerging Technologies*, **2013**, 36, 367-380	8.4	32
65	Benefits of in-Vehicle Consolidation in Less than Truckload Freight Transportation Operations. *Procedia, Social and Behavioral Sciences*, **2013**, 80, 576-590		5
64	Benefits of in-vehicle consolidation in less than truckload freight transportation operations. *Transportation Research, Part E: Logistics and Transportation Review*, **2013**, 60, 113-125	9	18
63	Spatiotemporal Patterns of Urban Human Mobility. *Journal of Statistical Physics*, **2013**, 151, 304-318	1.5	162
62	A random parameter ordered probit model to understand the mobilization time during hurricane evacuation. *Transportation Research Part C: Emerging Technologies*, **2013**, 32, 21-30	8.4	52
61	Exploring the determinants of pedestrian-vehicle crash severity in New York City. *Accident Analysis and Prevention*, **2013**, 50, 1298-309	6.1	128
60	A Complementarity Approach for an Environmental Economic Game with Coupling Emission Constraints. *Environmental Modeling and Assessment*, **2013**, 18, 147-158	2	2
59	A random-parameter hazard-based model to understand household evacuation timing behavior. *Transportation Research Part C: Emerging Technologies*, **2013**, 27, 108-116	8.4	89
58	Household-Level Model for Hurricane Evacuation Destination Type Choice Using Hurricane Ivan Data. *Natural Hazards Review*, **2013**, 14, 11-20	3.5	76
57	Understanding urban human activity and mobility patterns using large-scale location-based data from online social media **2013**,		125
56	Social contagion process in informal warning networks to understand evacuation timing behavior. *Journal of Public Health Management and Practice*, **2013**, 19 Suppl 2, S68-9	1.9	8
55	Network Flow Methodology for Estimating Empty Trips in Freight Transportation Models. *Transportation Research Record*, **2013**, 2378, 110-119	1.7	4
54	A Novel Transit Rider Satisfaction Metric: Rider Sentiments Measured from Online Social Media Data. *Journal of Public Transportation*, **2013**, 16, 21-45	26.8	101
53	An Approach to Assess the Impact of Dynamic Congestion in Vehicle Routing Problems. *Complex Networks and Dynamic Systems*, **2013**, 265-285	0.2	1
52	The role of built environment on pedestrian crash frequency. *Safety Science*, **2012**, 50, 1141-1151	5.8	138
51	Integration of Environmental Objectives in a System Optimal Dynamic Traffic Assignment Model. *Computer-Aided Civil and Infrastructure Engineering*, **2012**, 27, 494-511	8.4	54

50	Delay analysis of signal control policies for an isolated intersection **2012**,		3
49	Optimization Application for Financial Viability Evaluation of PPP Toll Road Projects **2012**,		1
48	On the holding-back problem in the cell transmission based dynamic traffic assignment models. *Transportation Research Part B: Methodological*, **2012**, 46, 1218-1238	7.2	52
47	Dynamic user equilibrium with a path based cell transmission model for general traffic networks. *Transportation Research Part B: Methodological*, **2012**, 46, 1657-1684	7.2	61
46	Unified Framework for Dynamic Traffic Assignment and Signal Control with Cell Transmission Model. *Transportation Research Record*, **2012**, 2311, 73-84	1.7	31
45	A Voronoi-Based Heuristic Algorithm for Locating Distribution Centers in Disasters. *Networks and Spatial Economics*, **2012**, 12, 21-39	1.9	69
44	A continuous-time linear complementarity system for dynamic user equilibria in single bottleneck traffic flows. *Mathematical Programming*, **2012**, 133, 437-460	2.1	26
43	Changes in Evacuation Decisions between Hurricanes Ivan and Katrina. *Transportation Research Record*, **2012**, 2312, 98-107	1.7	53
42	Special Issue on Exploiting Wireless Communication Technologies in Vehicular Transportation Networks. *IEEE Transactions on Intelligent Transportation Systems*, **2011**, 12, 633-634	6.1	9
41	On the existence of pricing strategies in the discrete time heterogeneous single bottleneck model. *Transportation Research Part B: Methodological*, **2011**, 45, 1483-1500	7.2	29
40	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	7.2	57
39	A threshold model of social contagion process for evacuation decision making. *Transportation Research Part B: Methodological*, **2011**, 45, 1590-1605	7.2	53
38	Random Parameter Model Used to Explain Effects of Built-Environment Characteristics on Pedestrian Crash Frequency. *Transportation Research Record*, **2011**, 2237, 98-106	1.7	89
37	B-Dynamic: An Efficient Algorithm for Dynamic User Equilibrium Assignment in Activity-Travel Networks1. *Computer-Aided Civil and Infrastructure Engineering*, **2011**, 26, 254-269	8.4	19
36	On the existence of pricing strategies in the discrete time heterogeneous single bottleneck model. *Procedia, Social and Behavioral Sciences*, **2011**, 17, 269-291		0
35	Agent-based discrete-event hybrid space modeling approach for transportation evacuation simulation **2011**,		10
34	Optimizing the design of a solar cooling system using central composite design techniques. *Energy and Buildings*, **2011**, 43, 988-994	7	58
33	Sample Average Approximation Technique for Flexible Network Design Problem. *Journal of Computing in Civil Engineering*, **2011**, 25, 254-262	5	7

32	Overall Impacts of Off-Hour Delivery Programs in New York City Metropolitan Area. *Transportation Research Record*, **2011**, 2238, 68-76	1.7	81
31	Behavioral Model to Understand Household-Level Hurricane Evacuation Decision Making. *Journal of Transportation Engineering*, **2011**, 137, 341-348		153
30	Approximation Techniques for Transportation Network Design Problem under Demand Uncertainty. *Journal of Computing in Civil Engineering*, **2011**, 25, 316-329	5	10
29	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		
28	Linear complementarity formulation for single bottleneck model with heterogeneous commuters. *Transportation Research Part B: Methodological*, **2010**, 44, 193-214	7.2	69
27	Approximate analytical expressions for transportation network performance under demand uncertainty. *Transportation Letters*, **2010**, 2, 111-123	2.1	8
26	The Relative Mobility of Vehicles Improves the Performance of Information Flow in Vehicle Ad Hoc Networks. *Networks and Spatial Economics*, **2010**, 10, 209-240	1.9	7
25	Dynamic User Equilibrium Model for Combined Activity-Travel Choices Using Activity-Travel Supernetwork Representation. *Networks and Spatial Economics*, **2010**, 10, 273-292	1.9	50
24	A robust transportation signal control problem accounting for traffic dynamics. *Computers and Operations Research*, **2010**, 37, 869-879	4.6	57
23	Agent-based modeling for household level hurricane evacuation **2009**,		10
22	A methodology to assess the criticality of highway transportation networks. *Journal of Transportation Security*, **2009**, 2, 29-46	1.3	59
21	Optimization models to characterize the broadcast capacity of vehicular ad hoc networks. *Transportation Research Part C: Emerging Technologies*, **2009**, 17, 571-585	8.4	19
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