

Ravi Seshadri

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

600
citations

687363

13
h-index

642732

23
g-index

33
all docs

33
docs citations

33
times ranked

578
citing authors

#	ARTICLE	IF	CITATIONS
1	Finding most reliable paths on networks with correlated and shifted log-normal travel times. Transportation Research Part B: Methodological, 2014, 66, 110-128.	5.9	91
2	Automated Mobility-on-Demand vs. Mass Transit: A Multi-Modal Activity-Driven Agent-Based Simulation Approach. Transportation Research Record, 2018, 2672, 608-618.	1.9	85
3	Rainfall-integrated traffic speed prediction using deep learning method. IET Intelligent Transport Systems, 2017, 11, 531-536.	3.0	84
4	Behavioral modeling of on-demand mobility services: general framework and application to sustainable travel incentives. Transportation, 2019, 46, 2017-2039.	4.0	33
5	Assessing the impacts of automated mobility-on-demand through agent-based simulation: A study of Singapore. Transportation Research, Part A: Policy and Practice, 2020, 138, 367-388.	4.2	33
6	Algorithm for Determining Most Reliable Travel Time Path on Network with Normally Distributed and Correlated Link Travel Times. Transportation Research Record, 2010, 2196, 83-92.	1.9	29
7	Congestion tolling—dollars versus tokens: A comparative analysis. Transportation Research Part B: Methodological, 2018, 108, 261-280.	5.9	28
8	Improving Scalability of Generic Online Calibration for Real-Time Dynamic Traffic Assignment Systems. Transportation Research Record, 2018, 2672, 79-92.	1.9	25
9	Demand Calibration of Multimodal Microscopic Traffic Simulation using Weighted Discrete SPSA. Transportation Research Record, 2019, 2673, 503-514.	1.9	19
10	Hierarchical density-based clustering methods for tolling zone definition and their impact on distance-based toll optimization. Transportation Research Part C: Emerging Technologies, 2020, 118, 102685.	7.6	17
11	Evaluating Automated Demand Responsive Transit Using Microsimulation. IEEE Access, 2020, 8, 82551-82561.	4.2	17
12	A consistent reliability-based user-equilibrium problem with risk-averse users and endogenous travel time correlations: Formulation and solution algorithm. Transportation Research Part B: Methodological, 2018, 114, 171-198.	5.9	16
13	From Traditional to Automated Mobility on Demand: A Comprehensive Framework for Modeling On-Demand Services in SimMobility. Transportation Research Record, 2019, 2673, 15-29.	1.9	16
14	DynaMIT2.0: Architecture Design and Preliminary Results on Real-Time Data Fusion for Traffic Prediction and Crisis Management. , 2015, , .		14
15	Reducing the Dimension of Online Calibration in Dynamic Traffic Assignment Systems. Transportation Research Record, 2017, 2667, 96-107.	1.9	14
16	Impacts of Automated Mobility-on-Demand on traffic dynamics, energy and emissions: A case study of Singapore. Simulation Modelling Practice and Theory, 2021, 110, 102327.	3.8	13
17	Improved Calibration Method for Dynamic Traffic Assignment Models: Constrained Extended Kalman Filter. Transportation Research Record, 2017, 2667, 142-153.	1.9	11
18	Improving the accuracy and efficiency of online calibration for simulation-based Dynamic Traffic Assignment. Transportation Research Part C: Emerging Technologies, 2021, 128, 103195.	7.6	11

#	ARTICLE	IF	CITATIONS
19	A Simulation-Based Evaluation of a Cargo-Hitching Service for E-Commerce Using Mobility-on-Demand Vehicles. <i>Future Transportation</i> , 2021, 1, 639-656.	2.3	10
20	An Algorithm for the Minimum Robust Cost Path on Networks with Random and Correlated Link Travel Times. <i>Transportation Research, Economics and Policy</i> , 2012, , 171-208.	0.3	9
21	Real-Time Predictive Control Strategy Optimization. <i>Transportation Research Record</i> , 2020, 2674, 1-11.	1.9	7
22	Robust traffic assignment model: Formulation, solution algorithms and empirical application. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2017, 21, 507-524.	4.2	4
23	System-Level Optimization of Multi-Modal Transportation Networks for Energy Efficiency using Personalized Incentives: Formulation, Implementation, and Performance. <i>Transportation Research Record</i> , 2019, 2673, 425-438.	1.9	3
24	Simulating Multi-scaled Impacts of Automated Mobility-on-Demand Services. , 2019, , .		3
25	SMART mobility via prediction, optimization and personalization. , 2020, , 227-265.		2
26	Household-based E-commerce demand modeling for an agent-based urban transportation simulation platform. <i>Transportation Planning and Technology</i> , 2022, 45, 179-201.	2.0	2
27	Algorithm for Determining Path of Maximum Reliability on a Network Subject to Random Arc Connectivity Failures. <i>Transportation Research Record</i> , 2014, 2467, 80-90.	1.9	1
28	Towards Dynamic Bayesian Networks: State Augmentation for Online Calibration of DTA Systems. , 2018, , .		1
29	An agent-based simulation assessment of freight parking demand management strategies for large urban freight generators. <i>Research in Transportation Business and Management</i> , 2022, 43, 100804.	2.9	1
30	Managing network congestion with a trip- and area-based tradable credit scheme. <i>Transportmetrica B</i> , 0, , 1-29.	2.3	1
31	Affinity Matrix Learning through Subspace Clustering for Tolling Zone Definition. , 2021, , .		0
32	Impact of Automated Mobility-On-Demand on Weekly Activity Patterns: A Study of Singapore. <i>Transportation Research Record</i> , 0, , 036119812210743.	1.9	0
33	Exploring the operational characteristics of ride-sourcing in an urban area. <i>Research in Transportation Business and Management</i> , 2022, 43, 100827.	2.9	0