

Yang Cheng

List of Publications by Year in descending order

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papers

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36
times ranked

646
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#	ARTICLE	IF	CITATIONS
1	An Exploratory Shockwave Approach to Estimating Queue Length Using Probe Trajectories. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2012, 16, 12-23.	4.2	86
2	Perspectives on Future Transportation Research: Impact of Intelligent Transportation System Technologies on Next-Generation Transportation Modeling. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2012, 16, 226-242.	4.2	75
3	Integrated Schedule and Trajectory Optimization for Connected Automated Vehicles in a Conflict Zone. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1841-1851.	8.0	62
4	Dangerous driving behavior detection using video-extracted vehicle trajectory histograms. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2017, 21, 409-421.	4.2	54
5	Origin-Destination Estimation for Non-Commuting Trips Using Location-Based Social Networking Data. International Journal of Sustainable Transportation, 2015, 9, 551-564.	4.1	42
6	Multimode trip information detection using personal trajectory data. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2016, 20, 449-460.	4.2	26
7	Freeway Multisensor Data Fusion Approach Integrating Data from Cellphone Probes and Fixed Sensors. Journal of Sensors, 2016, 2016, 1-13.	1.1	21
8	Estimating Missing Traffic Volume Using Low Multilinear Rank Tensor Completion. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2016, 20, 152-161.	4.2	21
9	Urban arterial traffic status detection using cellular data without cellphone GPS information. Transportation Research Part C: Emerging Technologies, 2020, 114, 446-462.	7.6	20
10	Automatic Incident Detection for Urban Expressways Based on Segment Traffic Flow Density. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2015, 19, 205-213.	4.2	15
11	Safety Evaluation for Connected and Autonomous Vehicles™ Exclusive Lanes considering Penetrate Ratios and Impact of Trucks Using Surrogate Safety Measures. Journal of Advanced Transportation, 2020, 2020, 1-16.	1.7	14
12	An Integrated Contraflow Strategy for Multimodal Evacuation. Mathematical Problems in Engineering, 2014, 2014, 1-10.	1.1	12
13	Wireless Communication Simulation Model for Traffic Monitoring Systems Based on Dynamic Cellular Handoffs. Transportation Research Record, 2012, 2291, 26-34.	1.9	11
14	Urban public transport choice behavior analysis and service improvement policy-making: a case study from the metropolitan city, Chengdu, China. Journal of Applied Statistics, 2015, 42, 806-816.	1.3	11
15	A Progressive Extended Kalman Filter Method for Freeway Traffic State Estimation Integrating Multisource Data. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	1.2	11
16	Data-Driven Prediction System of Dynamic People-Flow in Large Urban Network Using Cellular Probe Data. Journal of Advanced Transportation, 2019, 2019, 1-12.	1.7	10
17	A data-driven study on the sample size of cellular handoff probe system. Advances in Mechanical Engineering, 2017, 9, 168781401769844.	1.6	9
18	Bus Contraflow Lane: Improved Contraflow Approach in Freeway Evacuation. Transportation Research Record, 2012, 2312, 150-158.	1.9	8

#	ARTICLE	IF	CITATIONS
19	Large-scale evacuation network optimization: a bi-level control method with uncertain arterial demand. <i>Transportation Planning and Technology</i> , 2015, 38, 777-794.	2.0	7
20	Trip-Chain-Based Travel-Mode-Shares-Driven Framework using Cellular Signaling Data and Web-Based Mapping Service Data. <i>Transportation Research Record</i> , 2019, 2673, 51-64.	1.9	7
21	Kalman Filtering Method for Real-Time Queue Length Estimation in a Connected Vehicle Environment. <i>Transportation Research Record</i> , 2021, 2675, 578-589.	1.9	7
22	A Novel Left-Turn Signal Control Method for Improving Intersection Capacity in a Connected Vehicle Environment. <i>Electronics (Switzerland)</i> , 2019, 8, 1058.	3.1	5
23	Investigating and modelling the relationship between traffic volume and extracts from cellphone activity data. <i>IET Intelligent Transport Systems</i> , 2019, 13, 1299-1308.	3.0	4
24	Dynamic platoon dispersion model based on real-time link travel time. <i>IET Intelligent Transport Systems</i> , 2019, 13, 1694-1700.	3.0	4
25	Work Zone Crash Occurrence Prediction Based on Planning Stage Work Zone Configurations Using an Artificial Neural Network. <i>Transportation Research Record</i> , 0, , 036119812210927.	1.9	4
26	Crash Severity Evaluation for Unsignalized Intersection Using Conflict Data. <i>International Journal of Computational Intelligence Systems</i> , 2011, 4, 1325-1333.	2.7	3
27	Comparing the State-of-the-Art Efficient Stated Choice Designs Based on Empirical Analysis. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-8.	1.1	3
28	An Empirical Study of Parameter Estimation for Stated Preference Experimental Design. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-11.	1.1	3
29	A Feature-Based Approach to Large-Scale Freeway Congestion Detection Using Full Cellular Activity Data. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 1323-1331.	8.0	3
30	Evaluation of mobility impact on urban work zones using statistical models. <i>Journal of Central South University</i> , 2017, 24, 1513-1521.	3.0	2
31	A Method to Monitor Railway Tracks' Foreign Body Invasion Based on Phase Sensitive Optical Fiber Sensing Technology. , 2017, , .		2
32	Designing a Comprehensive Procedure for Flagging Archived Traffic Data: A Case Study. <i>Transportation Research Record</i> , 2019, 2673, 165-175.	1.9	2
33	Research on a forecasting model of tourism traffic volume in theme parks in China. <i>Transportation Safety and Environment</i> , 2019, 1, 135-144.	2.1	2
34	Map matching for travel route identification based on Earth Mover's Distance algorithm using wireless cell trajectory data. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2021, 25, 644-656.	4.2	2
35	Predicting Imminent Crash Risk with Simulated Traffic from Distant Sensors. <i>Transportation Research Record</i> , 2018, 2672, 12-21.	1.9	1
36	Corrigendum to "Data-Driven Prediction System of Dynamic People-Flow in Large Urban Network Using Cellular Probe Data". <i>Journal of Advanced Transportation</i> , 2019, 2019, 1-1.	1.7	0