Yang Cheng

List of Publications by Year in descending order

36 papers	569 citations	759233 12 h-index	642732 23 g-index
36 all docs	36 docs citations	36 times ranked	646 citing authors

#	Article	IF	Citations
1	A Feature-Based Approach to Large-Scale Freeway Congestion Detection Using Full Cellular Activity Data. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1323-1331.	8.0	3
2	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
3	Kalman Filtering Method for Real-Time Queue Length Estimation in a Connected Vehicle Environment. Transportation Research Record, 2021, 2675, 578-589.	1.9	7
4	Map matching for travel route identification based on Earth Mover's Distance algorithm using wireless cell trajectory data. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2021, 25, 644-656.	4.2	2
5	Safety Evaluation for Connected and Autonomous Vehiclesâ€™ Exclusive Lanes considering Penetrate Ratios and Impact of Trucks Using Surrogate Safety Measures. Journal of Advanced Transportation, 2020, 2020, 1-16.	1.7	14
6	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
7	Corrigendum to â€œData-Driven Prediction System of Dynamic People-Flow in Large Urban Network Using Cellular Probe Dataâ€. Journal of Advanced Transportation, 2019, 2019, 1-1.	1.7	0
8	Investigating and modelling the relationship between traffic volume and extracts from cellphone activity data. IET Intelligent Transport Systems, 2019, 13, 1299-1308.	3.0	4
9	A Novel Left-Turn Signal Control Method for Improving Intersection Capacity in a Connected Vehicle Environment. Electronics (Switzerland), 2019, 8, 1058.	3.1	5
10	Designing a Comprehensive Procedure for Flagging Archived Traffic Data: A Case Study. Transportation Research Record, 2019, 2673, 165-175.	1.9	2
11	Trip-Chain-Based Travel-Mode-Shares-Driven Framework using Cellular Signaling Data and Web-Based Mapping Service Data. Transportation Research Record, 2019, 2673, 51-64.	1.9	7
12	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
13	Research on a forecasting model of tourism traffic volume in theme parks in China. Transportation Safety and Environment, 2019, 1, 135-144.	2.1	2
14	Dynamic platoon dispersion model based on realâ€time link travel time. IET Intelligent Transport Systems, 2019, 13, 1694-1700.	3.0	4
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	Predicting Imminent Crash Risk with Simulated Traffic from Distant Sensors. Transportation Research Record, 2018, 2672, 12-21.	1.9	1
17	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
18	A data-driven study on the sample size of cellular handoff probe system. Advances in Mechanical Engineering, 2017, 9, 168781401769844.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Evaluation of mobility impact on urban work zones using statistical models. Journal of Central South University, 2017, 24, 1513-1521.	3.0	2
20	A Method to Monitor Railway Tracks' Foreign Body Invasion Based on Phase Sensitive Optical Fiber Sensing Technology. , 2017, , .		2
21	Freeway Multisensor Data Fusion Approach Integrating Data from Cellphone Probes and Fixed Sensors. Journal of Sensors, 2016, 2016, 1-13.	1.1	21
22	Multimode trip information detection using personal trajectory data. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2016, 20, 449-460.	4.2	26
23	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
24	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
25	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
26	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
27	Large-scale evacuation network optimization: a bi-level control method with uncertain arterial demand. Transportation Planning and Technology, 2015, 38, 777-794.	2.0	7
28	An Integrated Contraflow Strategy for Multimodal Evacuation. Mathematical Problems in Engineering, 2014, 2014, 1-10.	1.1	12
29	Comparing the State-of-the-Art Efficient Stated Choice Designs Based on Empirical Analysis. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	3
30	An Empirical Study of Parameter Estimation for Stated Preference Experimental Design. Mathematical Problems in Engineering, 2014, 2014, 1-11.	1.1	3
31	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
32	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
33	Bus Contraflow Lane: Improved Contraflow Approach in Freeway Evacuation. Transportation Research Record, 2012, 2312, 150-158.	1.9	8
34	Wireless Communication Simulation Model for Traffic Monitoring Systems Based on Dynamic Cellular Handoffs. Transportation Research Record, 2012, 2291, 26-34.	1.9	11
35	Crash Severity Evaluation for Unsignalized Intersection Using Conflict Data. International Journal of Computational Intelligence Systems, 2011, 4, 1325-1333.	2.7	3
36	Work Zone Crash Occurrence Prediction Based on Planning Stage Work Zone Configurations Using an Artificial Neural Network. Transportation Research Record, 0, , 036119812210927.	1.9	4