

Zhixia Li

List of Publications by Year in descending order

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papers

764
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623734

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42
all docs

42
docs citations

42
times ranked

729
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Reservation-Based Autonomous Intersection Control in VISSIM. <i>Transportation Research Record</i> , 2013, 2381, 81-90.	1.9	111
2	E-scooters and sustainability: Investigating the relationship between the density of E-scooter trips and characteristics of sustainable urban development. <i>Sustainable Cities and Society</i> , 2021, 66, 102624.	10.4	83
3	Spatial analysis of shared e-scooter trips. <i>Journal of Transport Geography</i> , 2021, 92, 103016.	5.0	70
4	Understanding driver distractions in fatal crashes: An exploratory empirical analysis. <i>Journal of Safety Research</i> , 2019, 69, 23-31.	3.6	56
5	Exploring causes and effects of automated vehicle disengagement using statistical modeling and classification tree based on field test data. <i>Accident Analysis and Prevention</i> , 2019, 129, 44-54.	5.7	49
6	Fine-tuning ADAS algorithm parameters for optimizing traffic safety and mobility in connected vehicle environment. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 76, 132-149.	7.6	48
7	Automated Identification and Extraction of Horizontal Curve Information from Geographic Information System Roadway Maps. <i>Transportation Research Record</i> , 2012, 2291, 80-92.	1.9	47
8	Exploring the mechanism of crashes with automated vehicles using statistical modeling approaches. <i>PLoS ONE</i> , 2019, 14, e0214550.	2.5	43
9	SUSTAINABILITY EFFECTS OF NEXT-GENERATION INTERSECTION CONTROL FOR AUTONOMOUS VEHICLES. <i>Transport</i> , 2015, 30, 342-352.	1.2	35
10	Quantifying Dynamic Factors Contributing to Dilemma Zone at High-Speed Signalized Intersections. <i>Transportation Research Record</i> , 2011, 2259, 202-212.	1.9	26
11	Observation-Based Study of Intersection Dilemma Zone Natures. <i>Journal of Transportation Safety and Security</i> , 2009, 1, 282-295.	1.6	23
12	Automated Extraction of Horizontal Curve Information for Low-Volume Roads. <i>Transportation Research Record</i> , 2015, 2472, 172-184.	1.9	19
13	Guidance-oriented advanced curve speed warning system in a connected vehicle environment. <i>Accident Analysis and Prevention</i> , 2020, 148, 105801.	5.7	18
14	Modeling Dynamics of Dilemma Zones by Formulating Dynamical Contributing Factors with Video-observed Trajectory Data. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 80, 880-900.	0.5	15
15	Accuracy of Injury Severity Ratings on Police Crash Reports. <i>Transportation Research Record</i> , 2015, 2516, 58-67.	1.9	13
16	Developing Operating Mode Distribution Inputs for MOVES with a Computer Vision-Based Vehicle Data Collector. <i>Transportation Research Record</i> , 2013, 2340, 49-58.	1.9	11
17	A time-independent trajectory optimization approach for connected and autonomous vehicles under reservation-based intersection control. <i>Transportation Research Interdisciplinary Perspectives</i> , 2021, 9, 100312.	2.7	11
18	Empirical Innovation of Computational Dual-Loop Models for Identifying Vehicle Classifications against Varied Traffic Conditions. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2013, 28, 621-634.	9.8	9

#	ARTICLE	IF	CITATIONS
19	Parametric modeling of the heteroscedastic traffic speed variance from loop detector data. Journal of Advanced Transportation, 2015, 49, 279-296.	1.7	9
20	Fuzzy C-Means Image Segmentation Approach for Axle-Based Vehicle Classification. Transportation Research Record, 2016, 2595, 68-77.	1.9	8
21	Roadside Sensing Information Enabled Horizontal Curve Crash Avoidance System Based on Connected and Autonomous Vehicle Technology. Transportation Research Record, 2019, 2673, 49-60.	1.9	8
22	Development of Freeway and Interchange Safety Performance Functions with Respect to Roadway Lighting. Transportation Research Record, 2015, 2485, 16-25.	1.9	7
23	Utilizing Lane-Based Strategy to Incorporate Mixed Traffic in Interchange Control for Connected and Autonomous Vehicles. Transportation Research Record, 2019, 2673, 454-465.	1.9	6
24	Threshold Research on Highway Length under Typical Landscape Patterns Based on Drivers'™ Physiological Performance. Discrete Dynamics in Nature and Society, 2015, 2015, 1-15.	0.9	5
25	Improving Freeway Operation with Ramp Metering Control Using Connected Vehicles as "Floating Sensors", 2018, , .		5
26	Exploring work zone late merge strategies with and without enabling connected vehicles technologies. Transportation Research Interdisciplinary Perspectives, 2021, 9, 100316.	2.7	5
27	Identifying Characteristics of Freeway Traffic Headway by Vehicle Types Using Video Trajectory Data. , 2010, , .		4
28	Operational Evaluation of Two-Lane Roundabouts at Freeway Ramp Terminals: Comparison Between Roundabout and Signalized Interchanges. Transportation Research Record, 2017, 2637, 99-113.	1.9	4
29	Next-Generation Interchange Control Based on Centralized Management of Connected and Autonomous Vehicles. IEEE Access, 2019, 7, 82939-82955.	4.2	4
30	Optimized Advance Detector Configuration for Option Zone Protection at High-Speed Signalized Intersections. Transportation Research Record, 2013, 2355, 60-72.	1.9	3
31	Enhancing Work Zone Capacity by a Cooperative Late Merge System Using Decentralized and Centralized Control Strategies. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	1.4	3
32	Clarifying Traffic Flow Phases for Vehicle Classifications Using Dual-Loop Data. , 2012, , .		2
33	Utilizing Wi-Fi Sensing and an Optimized Radius Algorithm to Count Passengers with Transfers to Enhance Bus Transit O-D Matrix. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	1.4	2
34	Modeling Impact of Traffic Operations on Carbon Monoxide Dispersion. , 2010, , .		1
35	Evaluation of Multi-Point Advance Detection Schemes for Dilemma Zone Protection. , 2014, , .		1
36	Dilemma Zone Modeling Using Yellow-Onset Vehicular Trajectory Data. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
37	Effectiveness of arterial traffic status monitoring using system detector data based on a V-Plus-O approach. , 2012, , .		0
38	Modeling Combined Safety and Operational Effect of Detection Solution to Signal Dilemma Zone Problems. , 2012, , .		0
39	An Alternative Arterial Congestion Measurement for ATIS Purposes. , 2010, , .		0
40	An Enhanced Advance Loop Placement Method for Dynamic Dilemma Zone Protection at High Speed Signalized Intersections. , 2011, , .		0
41	Green Diesel Synthesis by Catalytic Hydrogenation of Waste Cooking Oil: Catalyst Design and Effect of Solvent. , 0, , .		0
42	Cooperative and Automated Traffic Control. , 2022, , 223-276.		0