

Jinghui Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,284
citations

394286

19
h-index

501076

28
g-index

28
all docs

28
docs citations

28
times ranked

694
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating cycle-level real-time traffic movements at signalized intersections. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2022, 26, 400-419.	2.6	8
2	Crash Risks Evaluation of Urban Expressways: A Case Study in Shanghai. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 15329-15339.	4.7	10
3	Modeling Real-Time Cycle-Level Crash Risk at Signalized Intersections Based on High-Resolution Event-Based Data. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 6700-6715.	4.7	20
4	Using bus critical driving events as surrogate safety measures for pedestrian and bicycle crashes based on GPS trajectory data. <i>Accident Analysis and Prevention</i> , 2021, 150, 105924.	3.0	27
5	Predicting cycle-level traffic movements at signalized intersections using machine learning models. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 124, 102930.	3.9	27
6	Crash data augmentation using variational autoencoder. <i>Accident Analysis and Prevention</i> , 2021, 151, 105950.	3.0	86
7	Developing safety performance functions for freeways at different aggregation levels using multi-state microscopic traffic detector data. <i>Accident Analysis and Prevention</i> , 2021, 151, 105984.	3.0	13
8	Systematic Safety Evaluation of Diverging Diamond Interchanges Based on Nationwide Implementation Data. <i>Transportation Research Record</i> , 2021, 2675, 961-971.	1.0	2
9	Meso-level hotspot identification for suburban arterials. <i>Accident Analysis and Prevention</i> , 2021, 156, 106148.	3.0	4
10	Analysis and prediction of intersection traffic violations using automated enforcement system data. <i>Accident Analysis and Prevention</i> , 2021, 162, 106422.	3.0	6
11	Predicting real-time traffic conflicts using deep learning. <i>Accident Analysis and Prevention</i> , 2020, 136, 105429.	3.0	94
12	Comparison of different models for evaluating vehicle collision risks at upstream diverging area of toll plaza. <i>Accident Analysis and Prevention</i> , 2020, 135, 105343.	3.0	31
13	Real-time crash risk prediction on arterials based on LSTM-CNN. <i>Accident Analysis and Prevention</i> , 2020, 135, 105371.	3.0	192
14	Multi-Objective reinforcement learning approach for improving safety at intersections with adaptive traffic signal control. <i>Accident Analysis and Prevention</i> , 2020, 144, 105655.	3.0	32
15	An Augmentation Function for Active Pedestrian Safety System Based on Crash Risk Evaluation. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 12459-12469.	3.9	4
16	Real-time crash prediction on expressways using deep generative models. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 117, 102697.	3.9	92
17	Prediction of Pedestrian Crossing Intentions at Intersections Based on Long Short-Term Memory Recurrent Neural Network. <i>Transportation Research Record</i> , 2020, 2674, 57-65.	1.0	48
18	Influence of pedestrian-to-vehicle technology on drivers' response and safety benefits considering pre-crash conditions. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2020, 73, 50-65.	1.8	10

#	ARTICLE	IF	CITATIONS
19	In-depth approach for identifying crash causation patterns and its implications for pedestrian crash prevention. <i>Journal of Safety Research</i> , 2020, 73, 119-132.	1.7	41
20	Time-varying Analysis of Traffic Conflicts at the Upstream Approach of Toll Plaza. <i>Accident Analysis and Prevention</i> , 2020, 141, 105539.	3.0	17
21	Analyzing traffic violation behavior at urban intersections: A spatio-temporal kernel density estimation approach using automated enforcement system data. <i>Accident Analysis and Prevention</i> , 2020, 141, 105509.	3.0	46
22	Real-Time Crash Risk Prediction using Long Short-Term Memory Recurrent Neural Network. <i>Transportation Research Record</i> , 2019, 2673, 314-326.	1.0	113
23	Investigating drivers' mandatory lane change behavior on the weaving section of freeway with managed lanes: A driving simulator study. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2019, 62, 11-32.	1.8	48
24	Utilizing UAV video data for in-depth analysis of drivers' crash risk at interchange merging areas. <i>Accident Analysis and Prevention</i> , 2019, 123, 159-169.	3.0	123
25	Investigating the safety impact of roadway network features of suburban arterials in Shanghai. <i>Accident Analysis and Prevention</i> , 2018, 113, 137-148.	3.0	39
26	Utilizing bluetooth and adaptive signal control data for real-time safety analysis on urban arterials. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 97, 114-127.	3.9	39
27	Approach-level real-time crash risk analysis for signalized intersections. <i>Accident Analysis and Prevention</i> , 2018, 119, 274-289.	3.0	88
28	Safety Impact of Weaving Distance on Freeway Facilities with Managed Lanes using Both Microscopic Traffic and Driving Simulations. <i>Transportation Research Record</i> , 2018, 2672, 130-141.	1.0	24