

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	Real-time crash risk prediction on arterials based on LSTM-CNN. Accident Analysis and Prevention, 2020, 135, 105371.	3.0	192
2	Utilizing UAV video data for in-depth analysis of drivers' crash risk at interchange merging areas. Accident Analysis and Prevention, 2019, 123, 159-169.	3.0	123
3	Real-Time Crash Risk Prediction using Long Short-Term Memory Recurrent Neural Network. Transportation Research Record, 2019, 2673, 314-326.	1.0	113
4	Predicting real-time traffic conflicts using deep learning. Accident Analysis and Prevention, 2020, 136, 105429.	3.0	94
5	Real-time crash prediction on expressways using deep generative models. Transportation Research Part C: Emerging Technologies, 2020, 117, 102697.	3.9	92
6	Approach-level real-time crash risk analysis for signalized intersections. Accident Analysis and Prevention, 2018, 119, 274-289.	3.0	88
7	Crash data augmentation using variational autoencoder. Accident Analysis and Prevention, 2021, 151, 105950.	3.0	86
8	Investigating drivers' mandatory lane change behavior on the weaving section of freeway with managed lanes: A driving simulator study. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 62, 11-32.	1.8	48
9	Prediction of Pedestrian Crossing Intentions at Intersections Based on Long Short-Term Memory Recurrent Neural Network. Transportation Research Record, 2020, 2674, 57-65.	1.0	48
10	Analyzing traffic violation behavior at urban intersections: A spatio-temporal kernel density estimation approach using automated enforcement system data. Accident Analysis and Prevention, 2020, 141, 105509.	3.0	46
11	In-depth approach for identifying crash causation patterns and its implications for pedestrian crash prevention. Journal of Safety Research, 2020, 73, 119-132.	1.7	41
12	Investigating the safety impact of roadway network features of suburban arterials in Shanghai. Accident Analysis and Prevention, 2018, 113, 137-148.	3.0	39
13	Utilizing bluetooth and adaptive signal control data for real-time safety analysis on urban arterials. Transportation Research Part C: Emerging Technologies, 2018, 97, 114-127.	3.9	39
14	Multi-Objective reinforcement learning approach for improving safety at intersections with adaptive traffic signal control. Accident Analysis and Prevention, 2020, 144, 105655.	3.0	32
15	Comparison of different models for evaluating vehicle collision risks at upstream diverging area of toll plaza. Accident Analysis and Prevention, 2020, 135, 105343.	3.0	31
16	Using bus critical driving events as surrogate safety measures for pedestrian and bicycle crashes based on GPS trajectory data. Accident Analysis and Prevention, 2021, 150, 105924.	3.0	27
17	Predicting cycle-level traffic movements at signalized intersections using machine learning models. Transportation Research Part C: Emerging Technologies, 2021, 124, 102930.	3.9	27
18	Safety Impact of Weaving Distance on Freeway Facilities with Managed Lanes using Both Microscopic Traffic and Driving Simulations. Transportation Research Record, 2018, 2672, 130-141.	1.0	24

#	ARTICLE	IF	CITATIONS
19	Modeling Real-Time Cycle-Level Crash Risk at Signalized Intersections Based on High-Resolution Event-Based Data. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6700-6715.	4.7	20
20	Time-varying Analysis of Traffic Conflicts at the Upstream Approach of Toll Plaza. Accident Analysis and Prevention, 2020, 141, 105539.	3.0	17
21	Developing safety performance functions for freeways at different aggregation levels using multi-state microscopic traffic detector data. Accident Analysis and Prevention, 2021, 151, 105984.	3.0	13
22	Influence of pedestrian-to-vehicle technology on drivers' response and safety benefits considering pre-crash conditions. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 73, 50-65.	1.8	10
23	Crash Risks Evaluation of Urban Expressways: A Case Study in Shanghai. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15329-15339.	4.7	10
24	Estimating cycle-level real-time traffic movements at signalized intersections. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2022, 26, 400-419.	2.6	8
25	Analysis and prediction of intersection traffic violations using automated enforcement system data. Accident Analysis and Prevention, 2021, 162, 106422.	3.0	6
26	An Augmentation Function for Active Pedestrian Safety System Based on Crash Risk Evaluation. IEEE Transactions on Vehicular Technology, 2020, 69, 12459-12469.	3.9	4
27	Meso-level hotspot identification for suburban arterials. Accident Analysis and Prevention, 2021, 156, 106148.	3.0	4
28	Systematic Safety Evaluation of Diverging Diamond Interchanges Based on Nationwide Implementation Data. Transportation Research Record, 2021, 2675, 961-971.	1.0	2