

Yina Wu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

994
citations

430754

18
h-index

477173

29
g-index

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all docs

30
docs citations

30
times ranked

740
citing authors

#	ARTICLE	IF	CITATIONS
1	Crash risk analysis during fog conditions using real-time traffic data. <i>Accident Analysis and Prevention</i> , 2018, 114, 4-11.	3.0	100
2	Assessment of the safety benefits of vehicles' advanced driver assistance, connectivity and low level automation systems. <i>Accident Analysis and Prevention</i> , 2018, 117, 55-64.	3.0	99
3	Real-time crash prediction on expressways using deep generative models. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 117, 102697.	3.9	92
4	Developing an algorithm to assess the rear-end collision risk under fog conditions using real-time data. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 87, 11-25.	3.9	87
5	Effects of crash warning systems on rear-end crash avoidance behavior under fog conditions. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 95, 481-492.	3.9	82
6	Modeling pedestrians' near-accident events at signalized intersections using gated recurrent unit (GRU). <i>Accident Analysis and Prevention</i> , 2020, 148, 105844.	3.0	43
7	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
8	Effects of real-time warning systems on driving under fog conditions using an empirically supported speed choice modeling framework. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 86, 97-110.	3.9	39
9	Combined connected vehicles and variable speed limit strategies to reduce rear-end crash risk under fog conditions. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2020, 24, 494-513.	2.6	37
10	A multi-vehicle communication system to assess the safety and mobility of connected and automated vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 124, 102887.	3.9	36
11	Comparison of proposed countermeasures for dilemma zone at signalized intersections based on cellular automata simulations. <i>Accident Analysis and Prevention</i> , 2018, 116, 69-78.	3.0	33
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	The effect of human mobility and control measures on traffic safety during COVID-19 pandemic. <i>PLoS ONE</i> , 2021, 16, e0243263.	1.1	31
14	Enhancing In-Vehicle Driving Assistance Information Under Connected Vehicle Environment. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 3558-3567.	4.7	28
15	The Practical Effectiveness of Advanced Driver Assistance Systems at Different Roadway Facilities: System Limitation, Adoption, and Usage. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 3859-3870.	4.7	27
16	Developing a Crash Warning System for the Bike Lane Area at Intersections with Connected Vehicle Technology. <i>Transportation Research Record</i> , 2019, 2673, 47-58.	1.0	23
17	Automated Safety Diagnosis Based on Unmanned Aerial Vehicle Video and Deep Learning Algorithm. <i>Transportation Research Record</i> , 2020, 2674, 350-359.	1.0	23
18	Effects of forward collision warning technology in different pre-crash scenarios. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 76, 336-352.	1.8	22

#	ARTICLE	IF	CITATIONS
19	Pedestrian Crossing Intention Prediction at Red-Light Using Pose Estimation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2331-2339.	4.7	19
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	Safety and operational impact of connected vehicles' lane configuration on freeway facilities with managed lanes. Accident Analysis and Prevention, 2020, 144, 105616.	3.0	15
22	Using Vision Transformers for Spatial-Context-Aware Rain and Road Surface Condition Detection on Freeways. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 18546-18556.	4.7	14
23	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
24	Association of human mobility with road crashes for pandemic-ready safer mobility: A New York City case study. Accident Analysis and Prevention, 2022, 165, 106478.	3.0	11
25	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
26	Identifying Pedestrian Crash Contributing Factors using Association Analysis and Their Implications for Development of Active Pedestrian Safety System. Transportation Research Record, 2020, 2674, 861-874.	1.0	8
27	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
28	Short-Term Safety Performance Functions for Freeways Including High Occupancy Vehicle Lanes. Transportation Research Record, 2023, 2677, 1634-1645.	1.0	4
29	Developing a rear-end crash risk algorithm under fog conditions using real-time data. , 2017, , .		3
30	Investigating the Effects of Pedestrian-to-Vehicle Human-Machine Interface Design Using Driving Simulator Experiment. Transportation Research Record, 2022, 2676, 30-43.	1.0	2