

Ling-tao Wu

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

603
citations

567281

15
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610901

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all docs

34
docs citations

34
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying and comparing the effects of key risk factors on various types of roadway segment crashes with LightGBM and SHAP. <i>Accident Analysis and Prevention</i> , 2021, 159, 106261.	5.7	100
2	Empirical Bayes estimates of finite mixture of negative binomial regression models and its application to highway safety. <i>Journal of Applied Statistics</i> , 2018, 45, 1652-1669.	1.3	55
3	Factors influencing the patterns of wrong-way driving crashes on freeway exit ramps and median crossovers: Exploration using "Eclat" association rules to promote safety. <i>International Journal of Transportation Science and Technology</i> , 2018, 7, 114-123.	3.6	54
4	A Copula-Based Approach for Accommodating the Underreporting Effect in Wildlife-Vehicle Crash Analysis. <i>Sustainability</i> , 2019, 11, 418.	3.2	36
5	Modeling over-dispersed crash data with a long tail: Examining the accuracy of the dispersion parameter in Negative Binomial models. <i>Analytic Methods in Accident Research</i> , 2015, 5-6, 1-16.	8.2	33
6	Application of the Bayesian Model Averaging in Analyzing Freeway Traffic Incident Clearance Time for Emergency Management. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-9.	1.7	31
7	Vehicle Acceleration Prediction Based on Machine Learning Models and Driving Behavior Analysis. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5259.	2.5	28
8	Validation of Crash Modification Factors Derived from Cross-Sectional Studies with Regression Models. <i>Transportation Research Record</i> , 2015, 2514, 88-96.	1.9	27
9	Finite mixture modeling approach for developing crash modification factors in highway safety analysis. <i>Accident Analysis and Prevention</i> , 2016, 97, 274-287.	5.7	27
10	Comparison of Sichel and Negative Binomial Models in Hot Spot Identification. <i>Transportation Research Record</i> , 2014, 2460, 107-116.	1.9	25
11	Examining the influence of link function misspecification in conventional regression models for developing crash modification factors. <i>Accident Analysis and Prevention</i> , 2017, 102, 123-135.	5.7	19
12	Safety Evaluation of Alternative Audible Lane Departure Warning Treatments in Reducing Traffic Crashes: An Empirical Bayes Observational Before-After Study. <i>Transportation Research Record</i> , 2018, 2672, 30-40.	1.9	19
13	Understanding crash potential associated with teen driving: Survey analysis using multivariate graphical method. <i>Journal of Safety Research</i> , 2019, 70, 213-222.	3.6	18
14	Comparative Analysis of Empirical Bayes and Bayesian Hierarchical Models in Hotspot Identification. <i>Transportation Research Record</i> , 2019, 2673, 111-121.	1.9	17
15	Quantile analysis of factors influencing the time taken to clear road traffic incidents. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2017, 170, 296-304.	0.6	16
16	Developing Crash Modification Factors for Horizontal Curves on Rural Two-Lane Undivided Highways Using a Cross-Sectional Study. <i>Transportation Research Record</i> , 2017, 2636, 53-61.	1.9	12
17	Application of Machine Learning Techniques to Predict the Occurrence of Distraction-affected Crashes with Phone-Use Data. <i>Transportation Research Record</i> , 2022, 2676, 692-705.	1.9	12
18	Fatal crashes at highway rail grade crossings: A U.S. based study. <i>International Journal of Transportation Science and Technology</i> , 2022, 11, 107-117.	3.6	10

#	ARTICLE	IF	CITATIONS
19	Generalized criteria for evaluating hotspot identification methods. Accident Analysis and Prevention, 2020, 145, 105684.	5.7	9
20	Comparative Analysis of the Reported Animal-Vehicle Collisions Data and Carcass Removal Data for Hotspot Identification. Journal of Advanced Transportation, 2019, 2019, 1-13.	1.7	7
21	Familiar versus Unfamiliar Drivers on Curves: Naturalistic Data Study. Transportation Research Record, 2019, 2673, 225-235.	1.9	7
22	Using naturalistic driving study data to explore the association between horizontal curve safety and operation on rural two-lane highways. Journal of Transportation Safety and Security, 2021, 13, 896-913.	1.6	7
23	A comparative analysis of intersection hotspot identification: Fixed vs. varying dispersion parameters in negative binomial models. Journal of Transportation Safety and Security, 2022, 14, 305-322.	1.6	7
24	Application of the Empirical Bayes Method with the Finite Mixture Model for Identifying Accident-Prone Spots. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	6
25	Exploring the Application of the Linear Poisson Autoregressive Model for Analyzing the Dynamic Impact of Traffic Laws on Fatal Traffic Accident Frequency. Journal of Advanced Transportation, 2020, 2020, 1-9.	1.7	6
26	Inclusion of phone use while driving data in predicting distraction-affected crashes. Journal of Safety Research, 2021, 79, 321-328.	3.6	5
27	Evaluating the Impact of Rumble Strips on Fatal and Injury Freeway Crashes. Transportation Research Record, 2018, 2672, 131-141.	1.9	3
28	In-Depth Understanding of Near-Crash Events Through Pattern Recognition. Transportation Research Record, 2022, 2676, 775-785.	1.9	3
29	Incorporating survival analysis into the safety effectiveness evaluation of treatments: Jointly modeling crash counts and time intervals between crashes. Journal of Transportation Safety and Security, 2022, 14, 338-358.	1.6	2
30	Road Assessment Model and Pilot Application in China. Discrete Dynamics in Nature and Society, 2014, 2014, 1-7.	0.9	1
31	Assessing quality of crash modification factors estimated by empirical Bayes before-after methods. Journal of Central South University, 2020, 27, 2259-2268.	3.0	1
32	The Impact Assessment of the Managed Motorway on M25 Junction 5 to 7. Applied Mechanics and Materials, 2011, 66-68, 692-696.	0.2	0
33	Study on Traffic Safety Classification of Two-Lane Highway Intersection Based on Traffic Accident. , 2011, , .		0
34	Analysing the Impact of Traffic Incidents on the Travel Time Reliability of Freeway High-Occupancy Vehicle Lanes. Discrete Dynamics in Nature and Society, 2018, 2018, 1-12.	0.9	0