Ling-tao Wu

List of Publications by Year
in descending order

34 papers	603 citations	567281 15 h-index	610901 24 g-index
34 all docs	34 docs citations	34 times ranked	393 citing authors

#	Article	IF	Citations
1	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
2	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
3	Fatal crashes at highway rail grade crossings: A U.S. based study. International Journal of Transportation Science and Technology, 2022, 11, 107-117.	3.6	10
4	Application of Machine Learning Techniques to Predict the Occurrence of Distraction-affected Crashes with Phone-Use Data. Transportation Research Record, 2022, 2676, 692-705.	1.9	12
5	Vehicle Acceleration Prediction Based on Machine Learning Models and Driving Behavior Analysis. Applied Sciences (Switzerland), 2022, 12, 5259.	2.5	28
6	In-Depth Understanding of Near-Crash Events Through Pattern Recognition. Transportation Research Record, 2022, 2676, 775-785.	1.9	3
7	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
8	Application of the Bayesian Model Averaging in Analyzing Freeway Traffic Incident Clearance Time for Emergency Management. Journal of Advanced Transportation, 2021, 2021, 1-9.	1.7	31
9	Quantifying and comparing the effects of key risk factors on various types of roadway segment crashes with LightGBM and SHAP. Accident Analysis and Prevention, 2021, 159, 106261.	5.7	100
10	Inclusion of phone use while driving data in predicting distraction-affected crashes. Journal of Safety Research, 2021, 79, 321-328.	3.6	5
11	Generalized criteria for evaluating hotspot identification methods. Accident Analysis and Prevention, 2020, 145, 105684.	5.7	9
12	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
13	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
14	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
15	Understanding crash potential associated with teen driving: Survey analysis using multivariate graphical method. Journal of Safety Research, 2019, 70, 213-222.	3.6	18
16	Familiar versus Unfamiliar Drivers on Curves: Naturalistic Data Study. Transportation Research Record, 2019, 2673, 225-235.	1.9	7
17	Comparative Analysis of Empirical Bayes and Bayesian Hierarchical Models in Hotspot Identification. Transportation Research Record, 2019, 2673, 111-121.	1.9	17
18	A Copula-Based Approach for Accommodating the Underreporting Effect in Wildlife–Vehicle Crash Analysis. Sustainability, 2019, 11, 418.	3.2	36

#	Article	IF	Citations
19	Empirical Bayes estimates of finite mixture of negative binomial regression models and its application to highway safety. Journal of Applied Statistics, 2018, 45, 1652-1669.	1.3	55
20	Evaluating the Impact of Rumble Strips on Fatal and Injury Freeway Crashes. Transportation Research Record, 2018, 2672, 131-141.	1.9	3
21	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
22	Factors influencing the patterns of wrong-way driving crashes on freeway exit ramps and median crossovers: Exploration using â€˜Eclatâ€™ association rules to promote safety. International Journal of Transportation Science and Technology, 2018, 7, 114-123.	3.6	54
23	Safety Evaluation of Alternative Audible Lane Departure Warning Treatments in Reducing Traffic Crashes: An Empirical Bayes Observational Beforeâ€"After Study. Transportation Research Record, 2018, 2672, 30-40.	1.9	19
24	Examining the influence of link function misspecification in conventional regression models for developing crash modification factors. Accident Analysis and Prevention, 2017, 102, 123-135.	5.7	19
25	Quantile analysis of factors influencing the time taken to clear road traffic incidents. Proceedings of the Institution of Civil Engineers: Transport, 2017, 170, 296-304.	0.6	16
26	Developing Crash Modification Factors for Horizontal Curves on Rural Two-Lane Undivided Highways Using a Cross-Sectional Study. Transportation Research Record, 2017, 2636, 53-61.	1.9	12
27	Finite mixture modeling approach for developing crash modification factors in highway safety analysis. Accident Analysis and Prevention, 2016, 97, 274-287.	5.7	27
28	Validation of Crash Modification Factors Derived from Cross-Sectional Studies with Regression Models. Transportation Research Record, 2015, 2514, 88-96.	1.9	27
29	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
30	Modeling over-dispersed crash data with a long tail: Examining the accuracy of the dispersion parameter in Negative Binomial models. Analytic Methods in Accident Research, 2015, 5-6, 1-16.	8.2	33
31	Road Assessment Model and Pilot Application in China. Discrete Dynamics in Nature and Society, 2014, 2014, 1-7.	0.9	1
32	Comparison of Sichel and Negative Binomial Models in Hot Spot Identification. Transportation Research Record, 2014, 2460, 107-116.	1.9	25
33	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
34	Study on Traffic Safety Classification of Two-Lane Highway Intersection Based on Traffic Accident. , 2011, , .		0