

Xuecai Xu

List of Publications by Year in descending order

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42
papers

565
citations

759233

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44
times ranked

413
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid autoregressive fractionally integrated moving average and nonlinear autoregressive neural network model for short-term traffic flow prediction. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2023, 27, 1-18.	4.2	13
2	A Novel STFSA-CNN-GRU Hybrid Model for Short-Term Traffic Speed Prediction. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 3728-3737.	8.0	30
3	Safety criticism and ethical dilemma of autonomous vehicles. <i>AI and Ethics</i> , 2022, 2, 869-874.	6.8	3
4	Investigating interaction pattern between urban-rural integration and transport network: A dynamic evolution model. <i>PLoS ONE</i> , 2022, 17, e0266063.	2.5	2
5	Investigating safety and liability of autonomous vehicles: Bayesian random parameter ordered probit model analysis. <i>Journal of Intelligent and Connected Vehicles</i> , 2022, 5, 199-205.	7.4	8
6	Reinforcement learning based mainline dynamic speed limit adjustment of expressway off-ramp upstream under connected and autonomous vehicles environment. <i>IET Intelligent Transport Systems</i> , 2022, 16, 1809-1819.	3.0	3
7	A Multi-Objective Robust Optimization Model for Customized Bus Routes. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 2359-2370.	8.0	45
8	Addressing Driving Actions of At-Fault Older Drivers: Bayesian Bivariate Ordered Probit Analysis. <i>IEEE Access</i> , 2021, 9, 45803-45811.	4.2	0
9	Insights on Crash Injury Severity Control from Novice and Experienced Drivers: A Bivariate Random-Effects Probit Analysis. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-13.	0.9	2
10	Exploring traffic safety climate with driving condition and driving behaviour: a random parameter structural equation model approach. <i>Transportation Safety and Environment</i> , 2021, 3, .	2.1	1
11	A Two-Step quantile selection model for the safety analysis at signalized intersections. <i>Journal of Transportation Safety and Security</i> , 2020, 12, 547-565.	1.6	1
12	The role of striking and struck vehicles in side crashes between vehicles: Bayesian bivariate probit analysis in China. <i>Accident Analysis and Prevention</i> , 2020, 134, 105324.	5.7	22
13	Addressing spatial heterogeneity of injury severity using Bayesian multilevel ordered probit model. <i>Research in Transportation Economics</i> , 2020, 80, 100748.	4.1	2
14	Multi-objective optimization of real-time customized bus routes based on two-stage method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 537, 122774.	2.6	31
15	Fleet Scheduling Optimization of Hazardous Materials Transportation: A Literature Review. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-16.	1.7	5
16	Evolution Regularity Mining and Gating Control Method of Urban Recurrent Traffic Congestion: A Literature Review. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-13.	1.7	17
17	Spatial-temporal analysis of pedestrian injury severity with geographically and temporally weighted regression model in Hong Kong. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2020, 69, 286-300.	3.7	27
18	Paving the Way for Evaluation of Connected and Autonomous Vehicles in Buses-Preliminary Analysis. <i>IEEE Access</i> , 2020, 8, 6162-6167.	4.2	5

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19	Choice Behavior of Autonomous Vehicles Based on Logistic Models. Sustainability, 2020, 12, 54.	3.2	18
20	Investigation of injury severity in urban expressway crashes: A case study from Beijing. PLoS ONE, 2020, 15, e0227869.	2.5	7
21	Vehicles robust scheduling of hazardous materials based on hybrid particle swarm optimisation and genetic algorithm. IET Intelligent Transport Systems, 2020, 14, 1955-1966.	3.0	6
22	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0
23	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0
24	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0
25	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0
26	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0
27	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0
28	Short-Term Traffic Flow Prediction Method for Urban Road Sections Based on Space-Time Analysis and GRU. IEEE Access, 2019, 7, 143025-143035.	4.2	123
29	Spatial-Temporal Analysis of Injury Severity with Geographically Weighted Panel Logistic Regression Model. Journal of Advanced Transportation, 2019, 2019, 1-15.	1.7	12
30	Comparative analysis of Bayesian quantile regression models for pedestrian injury severity at signalized intersections. Journal of Transportation Safety and Security, 2019, , 1-22.	1.6	3
31	Investigation into Interactions between Accident Consequences and Traffic Signs: A Bayesian Bivariate Tobit Quantile Regression Approach. Journal of Advanced Transportation, 2018, 2018, 1-10.	1.7	2
32	Accident severity levels and traffic signs interactions in state roads: a seemingly unrelated regression model in unbalanced panel data approach. Accident Analysis and Prevention, 2018, 120, 122-129.	5.7	27
33	Identifying the safety factors over traffic signs in state roads using a panel quantile regression approach. Traffic Injury Prevention, 2018, 19, 607-614.	1.4	11
34	Injury severity analysis in right-turn lanes at signalised intersections. Proceedings of the Institution of Civil Engineers: Transport, 2017, 170, 26-37.	0.6	4
35	Predicting Crash Rate Using Logistic Quantile Regression With Bounded Outcomes. IEEE Access, 2017, 5, 27036-27042.	4.2	10
36	A Heckman selection model for the safety analysis of signalized intersections. PLoS ONE, 2017, 12, e0181544.	2.5	19

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37	Severity of pedestrian injuries due to traffic crashes at signalized intersections in Hong Kong: a Bayesian spatial logit model. <i>Journal of Advanced Transportation</i> , 2016, 50, 2015-2028.	1.7	53
38	Quasi-induced exposure method for pedestrian safety at signalized intersections. <i>Journal of Transportation Safety and Security</i> , 2016, 8, 129-147.	1.6	7
39	A two-stage bivariate logistic-Tobit model for the safety analysis of signalized intersections. <i>Analytic Methods in Accident Research</i> , 2014, 3-4, 1-10.	8.2	19
40	An order allocation model in multi-period logistics service supply chain based on cumulative prospect theory and capacity matching constraint. <i>International Journal of Production Research</i> , 2014, 52, 6608-6626.	7.5	10
41	Identifying Access Management Factors Associated With Safety of Urban Arterials Mid-Blocks: A Panel Data Simultaneous Equation Models Approach. <i>Traffic Injury Prevention</i> , 2013, 14, 734-742.	1.4	10
42	Investigating injury severity of pedestrian-vehicle crashes by integrating latent class cluster analysis and unbalanced panel mixed ordered probit model. <i>Journal of Transportation Safety and Security</i> , 0, , 1-20.	1.6	4