

Xuecai Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/382208/publications.pdf>

Version: 2024-02-01

42
papers

565
citations

759233

12
h-index

642732

23
g-index

44
all docs

44
docs citations

44
times ranked

413
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Severity of pedestrian injuries due to traffic crashes at signalized intersections in Hong Kong: a Bayesian spatial logit model. Journal of Advanced Transportation, 2016, 50, 2015-2028.	1.7	53
3	A Multi-Objective Robust Optimization Model for Customized Bus Routes. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2359-2370.	8.0	45
4	Multi-objective optimization of real-time customized bus routes based on two-stage method. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122774.	2.6	31
5	A Novel STFS-CNN-GRU Hybrid Model for Short-Term Traffic Speed Prediction. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 3728-3737.	8.0	30
6	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
7	Spatial-temporal analysis of pedestrian injury severity with geographically and temporally weighted regression model in Hong Kong. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 69, 286-300.	3.7	27
8	The role of striking and struck vehicles in side crashes between vehicles: Bayesian bivariate probit analysis in China. Accident Analysis and Prevention, 2020, 134, 105324.	5.7	22
9	A two-stage bivariate logistic-Tobit model for the safety analysis of signalized intersections. Analytic Methods in Accident Research, 2014, 3-4, 1-10.	8.2	19
10	A Heckman selection model for the safety analysis of signalized intersections. PLoS ONE, 2017, 12, e0181544.	2.5	19
11	Choice Behavior of Autonomous Vehicles Based on Logistic Models. Sustainability, 2020, 12, 54.	3.2	18
12	Evolution Regularity Mining and Gating Control Method of Urban Recurrent Traffic Congestion: A Literature Review. Journal of Advanced Transportation, 2020, 2020, 1-13.	1.7	17
13	A hybrid autoregressive fractionally integrated moving average and nonlinear autoregressive neural network model for short-term traffic flow prediction. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2023, 27, 1-18.	4.2	13
14	Spatial-Temporal Analysis of Injury Severity with Geographically Weighted Panel Logistic Regression Model. Journal of Advanced Transportation, 2019, 2019, 1-15.	1.7	12
15	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
16	Identifying Access Management Factors Associated With Safety of Urban Arterials Mid-Blocks: A Panel Data Simultaneous Equation Models Approach. Traffic Injury Prevention, 2013, 14, 734-742.	1.4	10
17	An order allocation model in multi-period logistics service supply chain based on cumulative prospect theory and capacity matching constraint. International Journal of Production Research, 2014, 52, 6608-6626.	7.5	10
18	Predicting Crash Rate Using Logistic Quantile Regression With Bounded Outcomes. IEEE Access, 2017, 5, 27036-27042.	4.2	10

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Investigation of injury severity in urban expressway crashes: A case study from Beijing. <i>PLoS ONE</i> , 2020, 15, e0227869.	2.5	7
22	Vehicles robust scheduling of hazardous materials based on hybrid particle swarm optimisation and genetic algorithm. <i>IET Intelligent Transport Systems</i> , 2020, 14, 1955-1966.	3.0	6
23	Fleet Scheduling Optimization of Hazardous Materials Transportation: A Literature Review. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-16.	1.7	5
24	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
25	Injury severity analysis in right-turn lanes at signalised intersections. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2017, 170, 26-37.	0.6	4
26	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
27	Comparative analysis of Bayesian quantile regression models for pedestrian injury severity at signalized intersections. <i>Journal of Transportation Safety and Security</i> , 2019, , 1-22.	1.6	3
28	Safety criticism and ethical dilemma of autonomous vehicles. <i>AI and Ethics</i> , 2022, 2, 869-874.	6.8	3
29	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
30	Investigation into Interactions between Accident Consequences and Traffic Signs: A Bayesian Bivariate Tobit Quantile Regression Approach. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-10.	1.7	2
31	Addressing spatial heterogeneity of injury severity using Bayesian multilevel ordered probit model. <i>Research in Transportation Economics</i> , 2020, 80, 100748.	4.1	2
32	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
33	Investigating interaction pattern between urban-rural integration and transport network: A dynamic evolution model. <i>PLoS ONE</i> , 2022, 17, e0266063.	2.5	2
34	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
35	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
36	Addressing Driving Actions of At-Fault Older Drivers: Bayesian Bivariate Ordered Probit Analysis. <i>IEEE Access</i> , 2021, 9, 45803-45811.	4.2	0

#	ARTICLE	IF	CITATIONS
37	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0
38	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0
39	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0
40	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0
41	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0
42	Investigation of injury severity in urban expressway crashes: A case study from Beijing. , 2020, 15, e0227869.		0