Pengpeng Xu

List of Publications by Citations

34	870	16	29
papers	citations	h-index	g-index
36	1,086	4.6	4.92
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
34	Modeling crash spatial heterogeneity: random parameter versus geographically weighting. *Accident Analysis and Prevention*, **2015**, 75, 16-25	6.1	149
33	Macro and micro models for zonal crash prediction with application in hot zones identification. *Journal of Transport Geography*, **2016**, 54, 248-256	5.2	85
32	Revisiting crash spatial heterogeneity: A Bayesian spatially varying coefficients approach. *Accident Analysis and Prevention*, **2017**, 98, 330-337	6.1	65
31	Sensitivity analysis in the context of regional safety modeling: identifying and assessing the modifiable areal unit problem. *Accident Analysis and Prevention*, **2014**, 70, 110-20	6.1	63
30	Investigating injury severities of motorcycle riders: A two-step method integrating latent class cluster analysis and random parameters logit model. *Accident Analysis and Prevention*, **2019**, 131, 316-326	6.1	48
29	Injury Severity of Motorcycle Riders Involved in Traffic Crashes in Hunan, China: A Mixed Ordered Logit Approach. *International Journal of Environmental Research and Public Health*, **2016**, 13,	4.6	45
28	The effect of road network patterns on pedestrian safety: A zone-based Bayesian spatial modeling approach. *Accident Analysis and Prevention*, **2017**, 99, 114-124	6.1	42
27	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	1.9	39
26	Occupant-level injury severity analyses for taxis in Hong Kong: A Bayesian space-time logistic model. *Accident Analysis and Prevention*, **2017**, 108, 297-307	6.1	38
25	Evaluating Spatial-Proximity Structures in Crash Prediction Models at the Level of Traffic Analysis Zones. *Transportation Research Record*, **2014**, 2432, 46-52	1.7	34
24	Random parameter probit models to analyze pedestrian red-light violations and injury severity in pedestrian–motor vehicle crashes at signalized crossings. *Journal of Transportation Safety and Security*, **2020**, 12, 818-837	1.7	31
23	Bayesian approach to model pedestrian crashes at signalized intersections with measurement errors in exposure. *Accident Analysis and Prevention*, **2018**, 121, 285-294	6.1	28
22	Predicting crash frequency using an optimised radial basis function neural network model. *Transportmetrica A: Transport Science*, **2016**, 12, 330-345	2.5	26
21	Severity of passenger injuries on public buses: A comparative analysis of collision injuries and non-collision injuries. *Journal of Safety Research*, **2020**, 74, 55-69	4	23
20	Rethinking safety in numbers: are intersections with more crossing pedestrians really safer?. *Injury Prevention*, **2019**, 25, 20-25	3.2	20
19	Towards activity-based exposure measures in spatial analysis of pedestrian-motor vehicle crashes. *Accident Analysis and Prevention*, **2020**, 148, 105777	6.1	18
18	Is the safety-in-numbers effect still observed in areas with low pedestrian activities? A case study of a suburban area in the United States. *Accident Analysis and Prevention*, **2019**, 125, 116-123	6.1	16

List of Publications

17	The modifiable areal unit problem in traffic safety: Basic issue, potential solutions and future research. *Journal of Traffic and Transportation Engineering (English Edition)*, **2018**, 5, 73-82	3.9	13
16	The effect of human mobility and control measures on traffic safety during COVID-19 pandemic. *PLoS ONE*, **2021**, 16, e0243263	3.7	11
15	On random-parameter count models for out-of-sample crash prediction: Accounting for the variances of random-parameter distributions. *Accident Analysis and Prevention*, **2021**, 159, 106237	6.1	11
14	Identifying motorcycle high-risk traffic scenarios through interactive analysis of driver behavior and traffic characteristics. *Transportation Research Part F: Traffic Psychology and Behaviour*, **2019**, 62, 844-854	4.5	10
13	Cyclists injured in traffic crashes in Hong Kong: A call for action. *PLoS ONE*, **2019**, 14, e0220785	3.7	9
12	Influential Factors Associated with Consecutive Crash Severity: A Two-Level Logistic Modeling Approach. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	8
11	The influence of zonal configurations on macro-level crash modeling. *Transportmetrica A: Transport Science*, **2019**, 15, 417-434	2.5	7
10	Using the disaster spreading theory to analyze the cascading failure of urban rail transit network. *Reliability Engineering and System Safety*, **2021**, 215, 107825	6.3	7
9	Applying a Bayesian multivariate spatio-temporal interaction model based approach to rank sites with promise using severity-weighted decision parameters. *Accident Analysis and Prevention*, **2021**, 157, 106190	6.1	5
8	Calibration of stochastic link-based fundamental diagram with explicit consideration of speed heterogeneity. *Transportation Research Part B: Methodological*, **2021**, 150, 524-539	7.2	5
7	Incorporating spatial effects into temporal dynamic of road traffic fatality risks: A case study on 48 lower states of the United States, 1975-2015. *Accident Analysis and Prevention*, **2019**, 132, 105283	6.1	3
6	Uncertainty matters: Bayesian modeling of bicycle crashes with incomplete exposure data. *Accident Analysis and Prevention*, **2021**, 165, 106518	6.1	3
5	Developing an Optimized Artificial Neural Network to Predict Traffic Crash Injury Severity **2014**,		2
4	Right-looking habit and maladaptation of pedestrians in areas with unfamiliar driving rules. *Accident Analysis and Prevention*, **2021**, 150, 105921	6.1	2
3	Vehicle Trajectory Prediction in Connected Environments via Heterogeneous Context-Aware Graph Convolutional Networks. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-13	6.1	2
2	Association of human mobility with road crashes for pandemic-ready safer mobility: A New York City case study. *Accident Analysis and Prevention*, **2021**, 165, 106478	6.1	1
1	Propagation dynamics and control policies of COVID-19 pandemic at early stages: Implications on future resurgence response. *Chaos*, **2022**, 32, 053102	3.3	