

# Pengpeng Xu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34  
papers

870  
citations

16  
h-index

29  
g-index

36  
ext. papers

1,086  
ext. citations

4.6  
avg, IF

4.92  
L-index

#	Paper	IF	Citations
34	Propagation dynamics and control policies of COVID-19 pandemic at early stages: Implications on future resurgence response. <i>Chaos</i> , <b>2022</b> , 32, 053102	3.3	
33	Vehicle Trajectory Prediction in Connected Environments via Heterogeneous Context-Aware Graph Convolutional Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-13	6.1	2
32	Association of human mobility with road crashes for pandemic-ready safer mobility: A New York City case study. <i>Accident Analysis and Prevention</i> , <b>2021</b> , 165, 106478	6.1	1
31	Uncertainty matters: Bayesian modeling of bicycle crashes with incomplete exposure data. <i>Accident Analysis and Prevention</i> , <b>2021</b> , 165, 106518	6.1	3
30	The effect of human mobility and control measures on traffic safety during COVID-19 pandemic. <i>PLoS ONE</i> , <b>2021</b> , 16, e0243263	3.7	11
29	Right-looking habit and maladaptation of pedestrians in areas with unfamiliar driving rules. <i>Accident Analysis and Prevention</i> , <b>2021</b> , 150, 105921	6.1	2
28	Applying a Bayesian multivariate spatio-temporal interaction model based approach to rank sites with promise using severity-weighted decision parameters. <i>Accident Analysis and Prevention</i> , <b>2021</b> , 157, 106190	6.1	5
27	Calibration of stochastic link-based fundamental diagram with explicit consideration of speed heterogeneity. <i>Transportation Research Part B: Methodological</i> , <b>2021</b> , 150, 524-539	7.2	5
26	On random-parameter count models for out-of-sample crash prediction: Accounting for the variances of random-parameter distributions. <i>Accident Analysis and Prevention</i> , <b>2021</b> , 159, 106237	6.1	11
25	Using the disaster spreading theory to analyze the cascading failure of urban rail transit network. <i>Reliability Engineering and System Safety</i> , <b>2021</b> , 215, 107825	6.3	7
24	Severity of passenger injuries on public buses: A comparative analysis of collision injuries and non-collision injuries. <i>Journal of Safety Research</i> , <b>2020</b> , 74, 55-69	4	23
23	Towards activity-based exposure measures in spatial analysis of pedestrian-motor vehicle crashes. <i>Accident Analysis and Prevention</i> , <b>2020</b> , 148, 105777	6.1	18
22	Influential Factors Associated with Consecutive Crash Severity: A Two-Level Logistic Modeling Approach. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	8
21	Random parameter probit models to analyze pedestrian red-light violations and injury severity in pedestrian-motor vehicle crashes at signalized crossings. <i>Journal of Transportation Safety and Security</i> , <b>2020</b> , 12, 818-837	1.7	31
20	Identifying motorcycle high-risk traffic scenarios through interactive analysis of driver behavior and traffic characteristics. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , <b>2019</b> , 62, 844-854	4.5	10
19	The influence of zonal configurations on macro-level crash modeling. <i>Transportmetrica A: Transport Science</i> , <b>2019</b> , 15, 417-434	2.5	7
18	Cyclists injured in traffic crashes in Hong Kong: A call for action. <i>PLoS ONE</i> , <b>2019</b> , 14, e0220785	3.7	9

17	Investigating injury severities of motorcycle riders: A two-step method integrating latent class cluster analysis and random parameters logit model. <i>Accident Analysis and Prevention</i> , <b>2019</b> , 131, 316-328	6.1	48
16	Incorporating spatial effects into temporal dynamic of road traffic fatality risks: A case study on 48 lower states of the United States, 1975-2015. <i>Accident Analysis and Prevention</i> , <b>2019</b> , 132, 105283	6.1	3
15	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. <i>Accident Analysis and Prevention</i> , <b>2019</b> , 125, 116-123	6.1	16
14	Rethinking safety in numbers: are intersections with more crossing pedestrians really safer?. <i>Injury Prevention</i> , <b>2019</b> , 25, 20-25	3.2	20
13	The modifiable areal unit problem in traffic safety: Basic issue, potential solutions and future research. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , <b>2018</b> , 5, 73-82	3.9	13
12	Bayesian approach to model pedestrian crashes at signalized intersections with measurement errors in exposure. <i>Accident Analysis and Prevention</i> , <b>2018</b> , 121, 285-294	6.1	28
11	Occupant-level injury severity analyses for taxis in Hong Kong: A Bayesian space-time logistic model. <i>Accident Analysis and Prevention</i> , <b>2017</b> , 108, 297-307	6.1	38
10	Revisiting crash spatial heterogeneity: A Bayesian spatially varying coefficients approach. <i>Accident Analysis and Prevention</i> , <b>2017</b> , 98, 330-337	6.1	65
9	The effect of road network patterns on pedestrian safety: A zone-based Bayesian spatial modeling approach. <i>Accident Analysis and Prevention</i> , <b>2017</b> , 99, 114-124	6.1	42
8	Macro and micro models for zonal crash prediction with application in hot zones identification. <i>Journal of Transport Geography</i> , <b>2016</b> , 54, 248-256	5.2	85
7	Predicting crash frequency using an optimised radial basis function neural network model. <i>Transportmetrica A: Transport Science</i> , <b>2016</b> , 12, 330-345	2.5	26
6	Injury Severity of Motorcycle Riders Involved in Traffic Crashes in Hunan, China: A Mixed Ordered Logit Approach. <i>International Journal of Environmental Research and Public Health</i> , <b>2016</b> , 13,	4.6	45
5	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> , <b>2016</b> , 50, 2015-2028	1.9	39
4	Modeling crash spatial heterogeneity: random parameter versus geographically weighting. <i>Accident Analysis and Prevention</i> , <b>2015</b> , 75, 16-25	6.1	149
3	Sensitivity analysis in the context of regional safety modeling: identifying and assessing the modifiable areal unit problem. <i>Accident Analysis and Prevention</i> , <b>2014</b> , 70, 110-20	6.1	63
2	Evaluating Spatial-Proximity Structures in Crash Prediction Models at the Level of Traffic Analysis Zones. <i>Transportation Research Record</i> , <b>2014</b> , 2432, 46-52	1.7	34
1	Developing an Optimized Artificial Neural Network to Predict Traffic Crash Injury Severity <b>2014</b> ,		2