Cong Chen

List of Publications by Citations

21 papers	830 citations	16 h-index	21 g-index
21 ext. papers	1,042 ext. citations	5.4 avg, IF	4.41 L-index

#	Paper	IF	Citations
21	A multinomial logit model-Bayesian network hybrid approach for driver injury severity analyses in rear-end crashes. *Accident Analysis and Prevention*, **2015**, 80, 76-88	6.1	120
20	Investigating driver injury severity patterns in rollover crashes using support vector machine models. *Accident Analysis and Prevention*, **2016**, 90, 128-39	6.1	109
19	An explanatory analysis of driver injury severity in rear-end crashes using a decision table/Naïve Bayes (DTNB) hybrid classifier. *Accident Analysis and Prevention*, **2016**, 90, 95-107	6.1	67
18	Examining driver injury severity outcomes in rural non-interstate roadway crashes using a hierarchical ordered logit model. *Accident Analysis and Prevention*, **2016**, 96, 79-87	6.1	64
17	Hierarchical Bayesian random intercept model-based cross-level interaction decomposition for truck driver injury severity investigations. *Accident Analysis and Prevention*, **2015**, 85, 186-98	6.1	50
16	Driver injury severity outcome analysis in rural interstate highway crashes: a two-level Bayesian logistic regression interpretation. *Accident Analysis and Prevention*, **2016**, 97, 69-78	6.1	45
15	Investigation of driver injury severities in rural single-vehicle crashes under rain conditions using mixed logit and latent class models. *Accident Analysis and Prevention*, **2019**, 124, 219-229	6.1	44
14	Examining driver injury severity in intersection-related crashes using cluster analysis and hierarchical Bayesian models. *Accident Analysis and Prevention*, **2018**, 120, 139-151	6.1	43
13	Using latent class analysis and mixed logit model to explore risk factors on driver injury severity in single-vehicle crashes. *Accident Analysis and Prevention*, **2019**, 129, 230-240	6.1	41
12	Comparing Machine Learning and Deep Learning Methods for Real-Time Crash Prediction. *Transportation Research Record*, **2019**, 2673, 169-178	1.7	41
11	Heterogeneous impacts of gender-interpreted contributing factors on driver injury severities in single-vehicle rollover crashes. *Accident Analysis and Prevention*, **2016**, 94, 28-34	6.1	36
10	Temporal-spatial dimension extension-based intersection control formulation for connected and autonomous vehicle systems. *Transportation Research Part C: Emerging Technologies*, **2019**, 104, 234-248	8.4	30
9	A Kinect-Based Approach for 3D Pavement Surface Reconstruction and Cracking Recognition. *IEEE Transactions on Intelligent Transportation Systems*, **2018**, 19, 3935-3946	6.1	28
8	Exploring driver injury severity patterns and causes in low visibility related single-vehicle crashes using a finite mixture random parameters model. *Analytic Methods in Accident Research*, **2018**, 20, 1-14	9.5	28
7	Bayesian network-based formulation and analysis for toll road utilization supported by traffic information provision. *Transportation Research Part C: Emerging Technologies*, **2015**, 60, 339-359	8.4	23
6	A hierarchical Bayesian spatiotemporal random parameters approach for alcohol/drug impaired-driving crash frequency analysis. *Analytic Methods in Accident Research*, **2019**, 21, 44-61	9.5	22
5	Discovering temporal and spatial patterns and characteristics of pavement distress condition data on major corridors in New Mexico. *Journal of Transport Geography*, **2014**, 38, 148-158	5.2	10

List of Publications

4	Spatial-temporal traffic congestion identification and correlation extraction using floating car data. *Journal of Intelligent Transportation Systems: Technology, Planning, and Operations*, **2021**, 25, 263-280	3.2	9
3	Traffic Incident Duration Estimation Based on a Dual-Learning Bayesian Network Model. *Transportation Research Record*, **2018**, 2672, 196-209	1.7	8
2	Driver behavior formulation in intersection dilemma zones with phone use distraction via a logit-Bayesian network hybrid approach. *Journal of Intelligent Transportation Systems: Technology, Planning, and Operations*, **2018**, 22, 311-324	3.2	6
1	Extracting Pavement Surface Distress Conditions Based on High Spatial Resolution Multispectral Digital Aerial Photography. *Photogrammetric Engineering and Remote Sensing*, **2015**, 81, 709-720	1.6	6