Mohamed A Abdel-Aty

List of Publications by Year
in descending order

360	18,004	10070 75	25230 113
papers	citations	h-index	g-index

360	360	360	6685
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequence-to-Sequence Recurrent Graph Convolutional Networks for Traffic Estimation and Prediction Using Connected Probe Vehicle Data. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 1395-1405.	4.7	16
2	Evaluation of Driving Behavior and Traffic Safety at a Shifting Movements Intersection. Transportation Research Record, 2023, 2677, 1228-1242.	1.0	0
3	Short-Term Safety Performance Functions for Freeways Including High Occupancy Vehicle Lanes. Transportation Research Record, 2023, 2677, 1634-1645.	1.0	4
4	A Deep Learning Approach to Detect Real-Time Vehicle Maneuvers Based on Smartphone Sensors. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3148-3157.	4.7	14
5	Utilizing Attention-Based Multi-Encoder-Decoder Neural Networks for Freeway Traffic Speed Prediction. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11960-11969.	4.7	19
6	Estimating cycle-level real-time traffic movements at signalized intersections. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2022, 26, 400-419.	2.6	8
7	Effect of Various Speed Management Strategies on Bicycle Crashes for Urban Roads in Central Florida. Transportation Research Record, 2022, 2676, 544-555.	1.0	5
8	Pedestrian Crossing Intention Prediction at Red-Light Using Pose Estimation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2331-2339.	4.7	19
9	Using Machine Learning to Estimate Pedestrian and Bicyclist Count of Intersection by Bluetooth Low Energy. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	0.8	1
10	A hybrid machine learning model for predicting Real-Time secondary crash likelihood. Accident Analysis and Prevention, 2022, 165, 106504.	3.0	15
11	Applying machine learning and google street view to explore effects of driversâ€™ visual environment on traffic safety. Transportation Research Part C: Emerging Technologies, 2022, 135, 103541.	3.9	20
12	MAGIC Dataset: Multiple Conditions Unmanned Aerial Vehicle Group-Based High-Fidelity Comprehensive Vehicle Trajectory Dataset. Transportation Research Record, 2022, 2676, 793-805.	1.0	7
13	Using Vision Transformers for Spatial-Context-Aware Rain and Road Surface Condition Detection on Freeways. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 18546-18556.	4.7	14
14	Real-Time Pedestrian Conflict Prediction Model at the Signal Cycle Level Using Machine Learning Models. IEEE Open Journal of Intelligent Transportation Systems, 2022, 3, 176-186.	2.6	17
15	Real-time safety analysis for expressways considering the heterogeneity of different segment types. Journal of Safety Research, 2022, 80, 349-361.	1.7	9
16	Development of New Performance Measures Based on Data Mining Weights for Hotspot Identification. Transportation Research Record, 2022, 2676, 633-647.	1.0	1
17	Effects of connected and autonomous vehicle merging behavior on mainline human-driven vehicle. Journal of Intelligent and Connected Vehicles, 2022, 5, 36-45.	3.6	20
18	Driversâ€™ Visual Distraction Detection Using Facial Landmarks and Head Pose. Transportation Research Record, 2022, 2676, 491-501.	1.0	4

#	Article	IF	Citations
19	Risk-Compensation Trends in Road Safety during COVID-19. Sustainability, 2022, 14, 5057.	1.6	11
20	Analyzing the Difference Between Operating Speed and Target Speed Using Mixed-Effect Ordered Logit Model. Transportation Research Record, 2022, 2676, 596-607.	1.0	4
21	Real-Time Crash Likelihood Prediction Using Temporal Attentionâ€“Based Deep Learning and Trajectory Fusion. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	0.8	7
22	Investigating the Effects of Pedestrian-to-Vehicle Humanâ€“Machine Interface Design Using Driving Simulator Experiment. Transportation Research Record, 2022, 2676, 30-43.	1.0	2
23	Using CNN-LSTM to predict signal phasing and timing aided by High-Resolution detector data. Transportation Research Part C: Emerging Technologies, 2022, 141, 103742.	3.9	9
24	Mapping pedestrian safety studies between 2010 and 2021: A scientometric analysis. Accident Analysis and Prevention, 2022, 174, 106744.	3.0	4
25	Estimating effectiveness of speed reduction measures for pedestrian crossing treatments using an empirically supported speed choice modeling framework. Transportation Research Part F: Traffic Psychology and Behaviour, 2022, 89, 276-288.	1.8	2
26	Evaluation and augmentation of traffic data including Bluetooth detection system on arterials. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2021, 25, 561-573.	2.6	11
27	Modeling Real-Time Cycle-Level Crash Risk at Signalized Intersections Based on High-Resolution Event-Based Data. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6700-6715.	4.7	20
28	Application of Connected and Automated Vehicles in a Large-Scale Network by Considering Vehicle-to-Vehicle and Vehicle-to-Infrastructure Technology. Transportation Research Record, 2021, 2675, 93-113.	1.0	8
29	Application of Random Effects Nonlinear Model for Analyzing Motorized and Nonmotorized Traffic Safety Performance. Journal of Transportation Engineering Part A: Systems, 2021, 147, .	0.8	5
30	Using bus critical driving events as surrogate safety measures for pedestrian and bicycle crashes based on GPS trajectory data. Accident Analysis and Prevention, 2021, 150, 105924.	3.0	27
31	Evaluating the influence of information provision (when and how) on route choice preferences of road users in Greater Orlando: Application of a regret minimization approach. Transportation Research Part C: Emerging Technologies, 2021, 122, 102923.	3.9	19
32	Macroscopic Safety Analysis. , 2021, , 367-379.		0
33	Effects of forward collision warning technology in different pre-crash scenarios. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 76, 336-352.	1.8	22
34	Sensor-Based Transportation Mode Recognition Using Variational Autoencoder. Journal of Big Data Analytics in Transportation, 2021, 3, 15-26.	1.4	5
35	Real-Time Vehicle Trajectory Estimation Based on Lane Change Detection using Smartphone Sensors. Transportation Research Record, 2021, 2675, 137-150.	1.0	8
36	Predicting cycle-level traffic movements at signalized intersections using machine learning models. Transportation Research Part C: Emerging Technologies, 2021, 124, 102930.	3.9	27

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37	Crash data augmentation using variational autoencoder. Accident Analysis and Prevention, 2021, 151, 105950.	3.0	86
38	A multi-vehicle communication system to assess the safety and mobility of connected and automated vehicles. Transportation Research Part C: Emerging Technologies, 2021, 124, 102887.	3.9	36
39	Developing safety performance functions for freeways at different aggregation levels using multi-state microscopic traffic detector data. Accident Analysis and Prevention, 2021, 151, 105984.	3.0	13
40	Association between Truck Crashes due to Mechanical Failure and Truck Age. Journal of Advanced Transportation, 2021, 2021, 1-7.	0.9	1
41	Systematic Safety Evaluation of Diverging Diamond Interchanges Based on Nationwide Implementation Data. Transportation Research Record, 2021, 2675, 961-971.	1.0	2
42	Driving Maneuvers Detection using Semi-Supervised Long Short-Term Memory and Smartphone Sensors. Transportation Research Record, 2021, 2675, 1386-1397.	1.0	4
43	Crash- and Simulation-Based Safety Performance Evaluation of Freeway Rest Area. Sustainability, 2021, 13, 4963.	1.6	3
44	Use of Bivariate Random-Parameter Probit Model to Analyze the Injury Severity of Highway Traffic Crashes Involving School-Age Children. Transportation Research Record, 2021, 2675, 530-537.	1.0	6
45	Evaluation of a New Intersection Design, â€œShifting Movementsâ€• Transportation Research Record, 2021, 2675, 1352-1363.	1.0	1
46	Crash analysis and development of safety performance functions for Florida roads in the framework of the context classification system. Journal of Safety Research, 2021, 79, 1-13.	1.7	6
47	Factors Contributing to Operating Speeds on Arterial Roads by Context Classifications. Journal of Transportation Engineering Part A: Systems, 2021, 147, .	0.8	4
48	Safety improvements by intelligent connected vehicle technologies: A meta-analysis considering market penetration rates. Accident Analysis and Prevention, 2021, 159, 106234.	3.0	26
49	Vulnerable road usersâ€™ crash hotspot identification on multi-lane arterial roads using estimated exposure and considering context classification. Accident Analysis and Prevention, 2021, 159, 106294.	3.0	15
50	Developing a grouped random parameter beta model to analyze driversâ€™ speeding behavior on urban and suburban arterials with probe speed data. Accident Analysis and Prevention, 2021, 161, 106386.	3.0	13
51	Analysis and prediction of intersection traffic violations using automated enforcement system data. Accident Analysis and Prevention, 2021, 162, 106422.	3.0	6
52	Explore effects of bicycle facilities and exposure on bicycle safety at intersections. International Journal of Sustainable Transportation, 2021, 15, 592-603.	2.1	16
53	Active traffic management strategies for expressways based on crash risk prediction of moving vehicle groups. Accident Analysis and Prevention, 2021, 163, 106421.	3.0	15
54	Crash injury severity analyses with multilevel thresholds of change modelling approach for at-fault out-of-state drivers. Journal of Transportation Safety and Security, 2020, 12, 1164-1181.	1.1	4

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55	Combined connected vehicles and variable speed limit strategies to reduce rear-end crash risk under fog conditions. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2020, 24, 494-513.	2.6	37
56	The Practical Effectiveness of Advanced Driver Assistance Systems at Different Roadway Facilities: System Limitation, Adoption, and Usage. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3859-3870.	4.7	27
57	Predicting real-time traffic conflicts using deep learning. Accident Analysis and Prevention, 2020, 136, 105429.	3.0	94
58	Real-time crash risk prediction on arterials based on LSTM-CNN. Accident Analysis and Prevention, 2020, 135, 105371.	3.0	192
59	Identification of contributing factors for interchange crashes based on a quasi-induced exposure method. Journal of Transportation Safety and Security, 2020, , 1-22.	1.1	6
60	Multi-Objective reinforcement learning approach for improving safety at intersections with adaptive traffic signal control. Accident Analysis and Prevention, 2020, 144, 105655.	3.0	32
61	Traffic Safety Benefits of Using Highway Lighting Technology: (Case Study: 4-Lanes Expressways in the) Tj ETQq1 1 0.784314 rgBT /O	0.3	0
62	Investigation of Safety-in-Numbers for Pedestrians and Bicyclists at a Macroscopic Level with Various Exposure Variables. Transportation Research Record, 2020, 2674, 568-580.	1.0	6
63	Prediction of pedestrian-vehicle conflicts at signalized intersections based on long short-term memory neural network. Accident Analysis and Prevention, 2020, 148, 105799.	3.0	30
64	An Augmentation Function for Active Pedestrian Safety System Based on Crash Risk Evaluation. IEEE Transactions on Vehicular Technology, 2020, 69, 12459-12469.	3.9	4
65	Modeling pedestriansâ€™ near-accident events at signalized intersections using gated recurrent unit (GRU). Accident Analysis and Prevention, 2020, 148, 105844.	3.0	43
66	Transferability of safety performance functions and hotspot identification for freeways of the United States and China. Accident Analysis and Prevention, 2020, 139, 105493.	3.0	14
67	Safety Evaluation of Median U-Turn Crossover-Based Intersections. Transportation Research Record, 2020, 2674, 206-218.	1.0	10
68	Safety and operational impact of connected vehiclesâ€™ lane configuration on freeway facilities with managed lanes. Accident Analysis and Prevention, 2020, 144, 105616.	3.0	15
69	Real-time crash prediction on expressways using deep generative models. Transportation Research Part C: Emerging Technologies, 2020, 117, 102697.	3.9	92
70	Identifying Pedestrian Crash Contributing Factors using Association Analysis and Their Implications for Development of Active Pedestrian Safety System. Transportation Research Record, 2020, 2674, 861-874.	1.0	8
71	Automated Safety Diagnosis Based on Unmanned Aerial Vehicle Video and Deep Learning Algorithm. Transportation Research Record, 2020, 2674, 350-359.	1.0	23
72	Evaluation of displaced left-turn intersections. Transportation Engineering, 2020, 1, 100006.	2.3	10

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73	Prediction of Pedestrian Crossing Intentions at Intersections Based on Long Short-Term Memory Recurrent Neural Network. Transportation Research Record, 2020, 2674, 57-65.	1.0	48
74	Safety Implications of Converting Continuous Green T-Intersections Back to Conventional T-Intersections. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	2
75	Influence of pedestrian-to-vehicle technology on driversâ€™ response and safety benefits considering pre-crash conditions. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 73, 50-65.	1.8	10
76	â‹†This paper has been handled by associate editor Tony Sze.The application of novel connected vehicles emulated data on real-time crash potential prediction for arterials. Accident Analysis and Prevention, 2020, 144, 105658.	3.0	25
77	Development of Decision Support System for Integrated Active Traffic Management Systems Considering Travel Time Reliability. Transportation Research Record, 2020, 2674, 167-180.	1.0	3
78	How many crashes can connected vehicle and automated vehicle technologies prevent: A meta-analysis. Accident Analysis and Prevention, 2020, 136, 105299.	3.0	87
79	Big data, traditional data and the tradeoffs between prediction and causality in highway-safety analysis. Analytic Methods in Accident Research, 2020, 25, 100113.	4.7	136
80	In-depth approach for identifying crash causation patterns and its implications for pedestrian crash prevention. Journal of Safety Research, 2020, 73, 119-132.	1.7	41
81	Systemic approach to improve safety of urban unsignalized intersections: Development and validation of a Safety Index. Accident Analysis and Prevention, 2020, 141, 105523.	3.0	7
82	Time-varying Analysis of Traffic Conflicts at the Upstream Approach of Toll Plaza. Accident Analysis and Prevention, 2020, 141, 105539.	3.0	17
83	Analyzing traffic violation behavior at urban intersections: A spatio-temporal kernel density estimation approach using automated enforcement system data. Accident Analysis and Prevention, 2020, 141, 105509.	3.0	46
84	Investigating the Effects of Pavement Roughness on Freeway Safety using Data from Five States. Transportation Research Record, 2020, 2674, 127-134.	1.0	9
85	Evaluation of surrogate measures for pedestrian trips at intersections and crash modeling. Accident Analysis and Prevention, 2019, 130, 91-98.	3.0	46
86	A zonal level safety investigation of pedestrian crashes in Riyadh, Saudi Arabia. International Journal of Sustainable Transportation, 2019, 13, 255-267.	2.1	11
87	Method for Estimating Vehicle-to-Vehicle Travel Time Variability Models at the Link and Network Levels of Freeways/Expressways through Censoring Mechanism. Transportation Research Record, 2019, 2673, 548-563.	1.0	1
88	Decentralized network level adaptive signal control by multi-agent deep reinforcement learning. Transportation Research Interdisciplinary Perspectives, 2019, 1, 100020.	1.6	34
89	Applying a deep learning approach for transportation safety planning by using high-resolution transportation and land use data. Transportation Research, Part A: Policy and Practice, 2019, 127, 71-85.	2.0	30
90	Sharing Real-Time Traffic Information With Travelers Using Twitter: An Analysis of Effectiveness and Information Content. Frontiers in Built Environment, 2019, 5, .	1.2	3

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91	Incorporating spatial effects into temporal dynamic of road traffic fatality risks: A case study on 48 lower states of the United States, 1975â€“2015. Accident Analysis and Prevention, 2019, 132, 105283.	3.0	7
92	Safety Analysis of Managed Toll Lanes Considering Connected Vehicles. , 2019, , .		3
93	Bivariate Ordered Modeling of Crash Injury Severity Level of Drivers and School-Age Passengers. , 2019, , .		2
94	Effects of Signalization at Rural Intersections Considering the Elderly Driving Population. Transportation Research Record, 2019, 2673, 743-757.	1.0	7
95	Integrated Safety and Operational Analysis of the Access Design of Managed Toll Lanes. Transportation Research Record, 2019, 2673, 127-136.	1.0	4
96	Developing a Crash Warning System for the Bike Lane Area at Intersections with Connected Vehicle Technology. Transportation Research Record, 2019, 2673, 47-58.	1.0	23
97	Applying machine learning approaches to analyze the vulnerable road-users' crashes at statewide traffic analysis zones. Journal of Safety Research, 2019, 70, 275-288.	1.7	35
98	Quasi-vehicle-trajectory-based real-time safety analysis for expressways. Transportation Research Part C: Emerging Technologies, 2019, 103, 30-38.	3.9	36
99	Influence of road lane reductions on motorised and non-motorised traffic safety. Proceedings of the Institution of Civil Engineers: Municipal Engineer, 2019, 172, 233-238.	0.4	12
100	Examining traffic conflicts of up stream toll plaza area using vehiclesâ€™ trajectory data. Accident Analysis and Prevention, 2019, 125, 174-187.	3.0	64
101	Transportation Safety Planning Approach for Pedestrians: An Integrated Framework of Modeling Walking Duration and Pedestrian Fatalities. Transportation Research Record, 2019, 2673, 898-906.	1.0	20
102	Real-Time Crash Risk Prediction using Long Short-Term Memory Recurrent Neural Network. Transportation Research Record, 2019, 2673, 314-326.	1.0	113
103	International transferability of macro-level safety performance functions: a case study of the United States and Italy. Transportation Safety and Environment, 2019, 1, 68-78.	1.1	14
104	Bicycle Safety Analysis at Intersections from Crowdsourced Data. Transportation Research Record, 2019, 2673, 1-14.	1.0	25
105	Enhancing traffic safety at school zones by operation and engineering countermeasures: A microscopic simulation approach. Simulation Modelling Practice and Theory, 2019, 94, 334-348.	2.2	21
106	Safety benefits of arterialsâ€™ crash risk under connected and automated vehicles. Transportation Research Part C: Emerging Technologies, 2019, 100, 354-371.	3.9	92
107	Exploring crash mechanisms with microscopic traffic flow variables: A hybrid approach with latent class logit and path analysis models. Accident Analysis and Prevention, 2019, 125, 70-78.	3.0	20
108	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.	3.0	21

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109	The Crash Avoidance Effectiveness of Advanced Driver Assistance Systems in Real-World Environment. , 2019, , .		1
110	Influence of Multiple Freeway Design Features on Freight Traffic Safety. Journal of Advanced Transportation, 2019, 2019, 1-8.	0.9	3
111	School zone safety modeling in countermeasure evaluation and decision. Transportmetrica A: Transport Science, 2019, 15, 586-601.	1.3	8
112	Investigating drivers' mandatory lane change behavior on the weaving section of freeway with managed lanes: A driving simulator study. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 62, 11-32.	1.8	48
113	Real-time crash prediction models: State-of-the-art, design pathways and ubiquitous requirements. Accident Analysis and Prevention, 2019, 124, 66-84.	3.0	95
114	Utilizing UAV video data for in-depth analysis of driversâ€™ crash risk at interchange merging areas. Accident Analysis and Prevention, 2019, 123, 159-169.	3.0	123
115	Enhancing In-Vehicle Driving Assistance Information Under Connected Vehicle Environment. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3558-3567.	4.7	28
116	Big Data and Road Safety: A Comprehensive Review. , 2019, , 297-343.		19
117	Comparative analysis of multiple techniques for developing and transferring safety performance functions. Accident Analysis and Prevention, 2019, 122, 85-98.	3.0	24
118	Corridor safety evaluation in a developing country using a survey based approach. Journal of Transportation Safety and Security, 2019, 11, 189-206.	1.1	1
119	Analysis of real-time crash risk for expressway ramps using traffic, geometric, trip generation, and socio-demographic predictors. Accident Analysis and Prevention, 2019, 122, 378-384.	3.0	75
120	Analysis of driving behavior at expressway toll plazas. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 61, 163-177.	1.8	30
121	Integrating macro- and micro-level safety analyses: a Bayesian approach incorporating spatial interaction. Transportmetrica A: Transport Science, 2019, 15, 285-306.	1.3	29
122	Macro-level analysis of bicycle safety: Focusing on the characteristics of both crash location and residence. International Journal of Sustainable Transportation, 2018, 12, 553-560.	2.1	29
123	Assessing rear-end crash potential in urban locations based on vehicle-by-vehicle interactions, geometric characteristics and operational conditions. Accident Analysis and Prevention, 2018, 118, 221-235.	3.0	51
124	Chapter 9. Real-Time Traffic Safety and Operation. Transport and Sustainability, 2018, , 175-204.	0.2	3
125	Assessment of the safety benefits of vehiclesâ€™ advanced driver assistance, connectivity and low level automation systems. Accident Analysis and Prevention, 2018, 117, 55-64.	3.0	99
126	Analysis and comparison of safety models using average daily, average hourly, and microscopic traffic. Accident Analysis and Prevention, 2018, 111, 271-279.	3.0	17

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127	Longitudinal safety evaluation of connected vehiclesâ€™ platooning on expressways. Accident Analysis and Prevention, 2018, 117, 381-391.	3.0	194
128	Spatial analysis of the effective coverage of land-based weather stations for traffic crashes. Applied Geography, 2018, 90, 17-27.	1.7	16
129	Developing an algorithm to assess the rear-end collision risk under fog conditions using real-time data. Transportation Research Part C: Emerging Technologies, 2018, 87, 11-25.	3.9	87
130	A joint framework for static and real-time crash risk analysis. Analytic Methods in Accident Research, 2018, 18, 45-56.	4.7	21
131	Effects of emergency medical services times on traffic injury severity: A random effects ordered probit approach. Traffic Injury Prevention, 2018, 19, 577-581.	0.6	38
132	Crash risk analysis of different designs of toll plazas. Safety Science, 2018, 107, 77-84.	2.6	13
133	Crash risk analysis during fog conditions using real-time traffic data. Accident Analysis and Prevention, 2018, 114, 4-11.	3.0	100
134	Comparison of proposed countermeasures for dilemma zone at signalized intersections based on cellular automata simulations. Accident Analysis and Prevention, 2018, 116, 69-78.	3.0	33
135	Analysis of crash proportion by vehicle type at traffic analysis zone level: A mixed fractional split multinomial logit modeling approach with spatial effects. Accident Analysis and Prevention, 2018, 111, 12-22.	3.0	66
136	Analysis of the Impact of Fog-Related Reduced Visibility on Traffic Parameters. Journal of Transportation Engineering Part A: Systems, 2018, 144, .	0.8	17
137	Effects of real-time warning systems on driving under fog conditions using an empirically supported speed choice modeling framework. Transportation Research Part C: Emerging Technologies, 2018, 86, 97-110.	3.9	39
138	A Comparative Study between Private-Sector and Automated Vehicle Identification System Data through Various Travel Time Reliability Measures. Transportation Research Record, 2018, 2672, 103-114.	1.0	0
139	Utilizing bluetooth and adaptive signal control data for real-time safety analysis on urban arterials. Transportation Research Part C: Emerging Technologies, 2018, 97, 114-127.	3.9	39
140	Developing a grouped random parameters multivariate spatial model to explore zonal effects for segment and intersection crash modeling. Analytic Methods in Accident Research, 2018, 19, 1-15.	4.7	61
141	Transferring and calibrating safety performance functions among multiple States. Accident Analysis and Prevention, 2018, 117, 276-287.	3.0	23
142	Analysis of accident injury-severities using a correlated random parameters ordered probit approach with time variant covariates. Analytic Methods in Accident Research, 2018, 18, 57-68.	4.7	134
143	Approach-level real-time crash risk analysis for signalized intersections. Accident Analysis and Prevention, 2018, 119, 274-289.	3.0	88
144	A new approach for calibrating safety performance functions. Accident Analysis and Prevention, 2018, 119, 188-194.	3.0	25

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145	A Bayesian multivariate hierarchical spatial joint model for predicting crash counts by crash type at intersections and segments along corridors. Accident Analysis and Prevention, 2018, 119, 263-273.	3.0	45
146	Safety Analysis of Access Zone Design for Managed Toll Lanes on Freeways. Journal of Transportation Engineering Part A: Systems, 2018, 144, .	0.8	9
147	Safety Impact of Weaving Distance on Freeway Facilities with Managed Lanes using Both Microscopic Traffic and Driving Simulations. Transportation Research Record, 2018, 2672, 130-141.	1.0	24
148	Effects of crash warning systems on rear-end crash avoidance behavior under fog conditions. Transportation Research Part C: Emerging Technologies, 2018, 95, 481-492.	3.9	82
149	Exploring the Effect of Different Neighboring Structures on Spatial Hierarchical Joint Crash Frequency Models. Transportation Research Record, 2018, 2672, 210-222.	1.0	8
150	Modeling the effect of electric vehicle adoption on pedestrian traffic safety: An agent-based approach. Transportation Research Part C: Emerging Technologies, 2018, 93, 198-210.	3.9	35
151	Integrated Modeling Approach for Non-Motorized Mode Trips and Fatal Crashes in the Framework of Transportation Safety Planning. Transportation Research Record, 2018, 2672, 49-60.	1.0	17
152	Analysis of Fatal Traffic Crash-Reporting and Reporting-Arrival Time Intervals of Emergency Medical Services. Transportation Research Record, 2018, 2672, 61-71.	1.0	14
153	Understanding the Highway Safety Benefits of Different Approaches of Connected Vehicles in Reduced Visibility Conditions. Transportation Research Record, 2018, 2672, 91-101.	1.0	44
154	A Bayesian spatial random parameters Tobit model for analyzing crash rates on roadway segments. Accident Analysis and Prevention, 2017, 100, 37-43.	3.0	95
155	Time series trends of the safety effects of pavement resurfacing. Accident Analysis and Prevention, 2017, 101, 78-86.	3.0	19
156	A Hybrid Latent Class Analysis Modeling Approach to Analyze Urban Expressway Crash Risk. Accident Analysis and Prevention, 2017, 101, 37-43.	3.0	36
157	Safety Performance of Combinations of Traffic and Roadway Cross-Sectional Design Elements at Straight and Curved Segments. Journal of Transportation Engineering Part A: Systems, 2017, 143, 04017015.	0.8	11
158	Examination of the reliability of the crash modification factors using empirical Bayes method with resampling technique. Accident Analysis and Prevention, 2017, 104, 96-105.	3.0	12
159	Safety analytics for integrating crash frequency and real-time risk modeling for expressways. Accident Analysis and Prevention, 2017, 104, 58-64.	3.0	45
160	Application of Bayesian informative priors to enhance the transferability of safety performance functions. Journal of Safety Research, 2017, 62, 155-161.	1.7	17
161	Comparative analysis of zonal systems for macro-level crash modeling. Journal of Safety Research, 2017, 61, 157-166.	1.7	68
162	Intersection crash prediction modeling with macro-level data from various geographic units. Accident Analysis and Prevention, 2017, 102, 213-226.	3.0	86

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163	Assessing the impact of reduced visibility on traffic crash risk using microscopic data and surrogate safety measures. Transportation Research Part C: Emerging Technologies, 2017, 74, 295-305.	3.9	73
164	Modelling of traffic safety of traditional mainline toll plazas. MATEC Web of Conferences, 2017, 120, 07007.	0.1	0
165	Alternative Approach for Combining Multiple Crash Modification Factors Using Adjustment Function and Analytic Hierarchy Process. Transportation Research Record, 2017, 2636, 15-22.	1.0	4
166	Crash modeling for intersections and segments along corridors: A Bayesian multilevel joint model with random parameters. Analytic Methods in Accident Research, 2017, 16, 48-59.	4.7	43
167	Macro-level vulnerable road users crash analysis: A Bayesian joint modeling approach of frequency and proportion. Accident Analysis and Prevention, 2017, 107, 11-19.	3.0	47
168	Implementation of Active Traffic Management Strategies for Safety on Congested Expressway Weaving Segments. Transportation Research Record, 2017, 2635, 28-35.	1.0	31
169	Developing a rear-end crash risk algorithm under fog conditions using real-time data. , 2017, , .		3
170	Long-Term Effect of Universal Helmet Law Changes on Motorcyclist Fatal Crashes: Comparison Group and Empirical Bayes Approaches. Transportation Research Record, 2017, 2637, 27-37.	1.0	15
171	Reducing real-time crash risk for congested expressway weaving segments using ramp metering. , 2017, , .		11
172	Evaluation of Safety Performance Functions Based on Experimental Design Using a Cross-Validation Method. Transportation Research Record, 2017, 2636, 62-72.	1.0	2
173	Implementation of Variable Speed Limits to Improve Safety of Congested Expressway Weaving Segments in Microsimulation. Transportation Research Procedia, 2017, 27, 577-584.	0.8	23
174	The Climate Change-Road Safety-Economy Nexus: A System Dynamics Approach to Understanding Complex Interdependencies. Systems, 2017, 5, 6.	1.2	28
175	Ordered Fractional Split Approach for Aggregate Injury Severity Modeling. Transportation Research Record, 2016, 2583, 119-126.	1.0	30
176	Joint Modeling of Pedestrian and Bicycle Crashes: Copula-Based Approach. Transportation Research Record, 2016, 2601, 119-127.	1.0	57
177	Safety Effects of Widening Shoulders on Rural Multilane Roads: Developing Crash Modification Functions with Multivariate Adaptive Regression Splines. Transportation Research Record, 2016, 2583, 34-41.	1.0	5
178	Microscopic Safety Evaluation and Prediction for Freeway-to-Freeway Interchange Ramps. Transportation Research Record, 2016, 2583, 56-64.	1.0	14
179	Geographical Boundary Dependency Versus Roadway Hierarchy in Macroscopic Safety Modeling: Analysis with Motor Vehicle Crash Data. Transportation Research Record, 2016, 2601, 59-71.	1.0	4
180	Macroscopic hotspots identification: A Bayesian spatio-temporal interaction approach. Accident Analysis and Prevention, 2016, 92, 256-264.	3.0	88

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