

Mohamed M Ahmed

List of Publications by Citations

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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.

19
papers

437
citations

11
h-index

20
g-index

20
ext. papers

545
ext. citations

3.2
avg, IF

4.6
L-index

#	Paper	IF	Citations
19	Assessment of Interaction of Crash Occurrence, Mountainous Freeway Geometry, Real-Time Weather, and Traffic Data. <i>Transportation Research Record</i> , 2012 , 2280, 51-59	1.7	78
18	Effects of truck traffic on crash injury severity on rural highways in Wyoming using Bayesian binary logit models. <i>Accident Analysis and Prevention</i> , 2018 , 117, 106-113	6.1	63
17	Real-time assessment of fog-related crashes using airport weather data: a feasibility analysis. <i>Accident Analysis and Prevention</i> , 2014 , 72, 309-17	6.1	45
16	Utilizing naturalistic driving data for in-depth analysis of driver lane-keeping behavior in rain: Non-parametric MARS and parametric logistic regression modeling approaches. <i>Transportation Research Part C: Emerging Technologies</i> , 2018 , 90, 379-392	8.4	44
15	Drivers' Lane-Keeping Ability in Heavy Rain: Preliminary Investigation Using SHRP 2 Naturalistic Driving Study Data. <i>Transportation Research Record</i> , 2017 , 2663, 99-108	1.7	39
14	Analyzing the effect of fog weather conditions on driver lane-keeping performance using the SHRP2 naturalistic driving study data. <i>Journal of Safety Research</i> , 2019 , 68, 71-80	4	37
13	Investigating the Impact of Fog on Freeway Speed Selection using the SHRP2 Naturalistic Driving Study Data. <i>Transportation Research Record</i> , 2018 , 2672, 93-104	1.7	30
12	Snow Detection using In-Vehicle Video Camera with Texture-Based Image Features Utilizing K-Nearest Neighbor, Support Vector Machine, and Random Forest. <i>Transportation Research Record</i> , 2019 , 2673, 221-232	1.7	18
11	Impact of Variable Speed Limit in a Connected Vehicle Environment on Truck Driver Behavior under Adverse Weather Conditions: Driving Simulator Study. <i>Transportation Research Record</i> , 2019 , 2673, 132-142	1.7	17
10	Safety Performance Assessment of Connected Vehicles in Mitigating the Risk of Secondary Crashes: A Driving Simulator Study. <i>Transportation Research Record</i> , 036119812110278	1.7	13
9	Exploration of Hazardous Material Truck Crashes on Wyoming's Interstate Roads using a Novel Hamiltonian Monte Carlo Markov Chain Bayesian Inference. <i>Transportation Research Record</i> , 2020 , 2674, 661-675	1.7	12
8	Complementary methodologies to identify weather conditions in naturalistic driving study trips: Lessons learned from the SHRP2 naturalistic driving study & roadway information database. <i>Safety Science</i> , 2019 , 119, 21-28	5.8	11
7	Trajectory-level fog detection based on in-vehicle video camera with TensorFlow deep learning utilizing SHRP2 naturalistic driving data. <i>Accident Analysis and Prevention</i> , 2020 , 142, 105521	6.1	11
6	Accounting for human-related unobserved heterogeneity in the safety performance of connected vehicles: An incorporation of Bayesian hierarchical negative binomial into simulated work zone warning application. <i>IATSS Research</i> , 2021 , 45, 539-539	4.2	7
5	Complementary parametric probit regression and nonparametric classification tree modeling approaches to analyze factors affecting severity of work zone weather-related crashes. <i>Journal of Modern Transportation</i> , 2019 , 27, 129-140	3.7	3
4	Normal and risky driving patterns identification in clear and rainy weather on freeway segments using vehicle kinematics trajectories and time series cluster analysis. <i>IATSS Research</i> , 2021 , 45, 137-152	4.2	3
3	Development of a Novel Convolutional Neural Network Architecture Named RoadweatherNet for Trajectory-Level Weather Detection using SHRP2 Naturalistic Driving Data. <i>Transportation Research Record</i> , 036119812110054	1.7	2

2	Driving Simulator Trajectory-Level Analysis of Truck Drivers' Behavioral Alteration in Connected Vehicles Environment Under Fog with Complex Roadway Geometry. <i>Transportation Research Record</i> ,036119812210839	1.7	2
1	Investigating the Temporal Instability in Injury Severity Outcomes of Clear and Adverse Weather Crashes on Rural Mountainous Highways. <i>Transportation Research Record</i> ,036119812110570	1.7	1