

# Behram Wali

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

936  
citations

430442

18  
h-index

476904

29  
g-index

40  
all docs

40  
docs citations

40  
times ranked

648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploratory analysis of automated vehicle crashes in California: A text analytics & hierarchical Bayesian heterogeneity-based approach. <i>Accident Analysis and Prevention</i> , 2020, 135, 105354.	3.0	81
2	Analysis of volatility in driving regimes extracted from basic safety messages transmitted between connected vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 84, 48-73.	3.9	64
3	How is driving volatility related to intersection safety? A Bayesian heterogeneity-based analysis of instrumented vehicles data. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 92, 504-524.	3.9	64
4	Do safety performance functions used for predicting crash frequency vary across space? Applying geographically weighted regressions to account for spatial heterogeneity. <i>Accident Analysis and Prevention</i> , 2017, 109, 132-142.	3.0	55
5	Modeling Traffic Incident Duration Using Quantile Regression. <i>Transportation Research Record</i> , 2016, 2554, 139-148.	1.0	51
6	A heterogeneity based case-control analysis of motorcyclist's injury crashes: Evidence from motorcycle crash causation study. <i>Accident Analysis and Prevention</i> , 2018, 119, 202-214.	3.0	44
7	Development of Safety Performance Functions: Incorporating Unobserved Heterogeneity and Functional Form Analysis. <i>Transportation Research Record</i> , 2018, 2672, 9-20.	1.0	42
8	Can Data Generated by Connected Vehicles Enhance Safety?: Proactive Approach to Intersection Safety Management. <i>Transportation Research Record</i> , 2017, 2659, 80-90.	1.0	41
9	Exploring microscopic driving volatility in naturalistic driving environment prior to involvement in safety critical events" Concept of event-based driving volatility. <i>Accident Analysis and Prevention</i> , 2019, 132, 105277.	3.0	37
10	Contributory fault and level of personal injury to drivers involved in head-on collisions: Application of copula-based bivariate ordinal models. <i>Accident Analysis and Prevention</i> , 2018, 110, 101-114.	3.0	36
11	Neighborhood-level COVID-19 hospitalizations and mortality relationships with built environment, active and sedentary travel. <i>Health and Place</i> , 2021, 71, 102659.	1.5	34
12	Examining correlations between motorcyclist's conspicuity, apparel related factors and injury severity score: Evidence from new motorcycle crash causation study. <i>Accident Analysis and Prevention</i> , 2019, 131, 45-62.	3.0	32
13	Treating two pandemics for the price of one: Chronic and infectious disease impacts of the built and natural environment. <i>Sustainable Cities and Society</i> , 2021, 73, 103089.	5.1	32
14	A taxonomy of driving errors and violations: Evidence from the naturalistic driving study. <i>Accident Analysis and Prevention</i> , 2021, 151, 105873.	3.0	30
15	Role of Multiagency Response and On-Scene Times in Large-Scale Traffic Incidents. <i>Transportation Research Record</i> , 2017, 2616, 39-48.	1.0	24
16	The relationship between driving volatility in time to collision and crash-injury severity in a naturalistic driving environment. <i>Analytic Methods in Accident Research</i> , 2020, 28, 100136.	4.7	23
17	Developing policy thresholds for objectively measured environmental features to support active travel. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 90, 102678.	3.2	23
18	Exploring factors associated with crash severity on motorways in Pakistan. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2022, 175, 189-198.	0.3	19

#	ARTICLE	IF	CITATIONS
19	Injury severity analysis of pedestrian and bicyclist trespassing crashes at non-crossings: A hybrid predictive text analytics and heterogeneity-based statistical modeling approach. <i>Accident Analysis and Prevention</i> , 2021, 150, 105835.	3.0	19
20	Harnessing ambient sensing & naturalistic driving systems to understand links between driving volatility and crash propensity in school zones – A generalized hierarchical mixed logit framework. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 114, 405-424.	3.9	18
21	Effectiveness of enforcement levels of speed limit and drink driving laws and associated factors – Exploratory empirical analysis using a bivariate ordered probit model. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2017, 4, 272-279.	2.0	18
22	Analyzing within garage fuel economy gaps to support vehicle purchasing decisions – A copula-based modeling & forecasting approach. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 63, 186-208.	3.2	17
23	How does on-road fuel economy vary with vehicle cumulative mileage and daily use?. <i>Transportation Research, Part D: Transport and Environment</i> , 2017, 55, 142-161.	3.2	16
24	Injury Severity and Contributing Driver Actions in Passenger Vehicle–Truck Collisions. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3542.	1.2	12
25	Pathways from Built Environment to Health Care Costs: Linking Objectively Measured Built Environment with Physical Activity and Health Care Expenditures. <i>Environment and Behavior</i> , 2022, 54, 747-782.	2.1	12
26	Impact of axle overload, asphalt pavement thickness and subgrade modulus on load equivalency factor using modified ESALs equation. <i>Cogent Engineering</i> , 2018, 5, 1528044.	1.1	11
27	Modeling consumer affinity towards adopting partially and fully automated vehicles – The role of preference heterogeneity at different geographic levels. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 129, 103276.	3.9	11
28	A joint behavioral choice model for adoption of automated vehicle ride sourcing and carsharing technologies: Role of built environment & sustainable travel behaviors. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 136, 103557.	3.9	11
29	Built environment, driving errors and violations, and crashes in naturalistic driving environment. <i>Accident Analysis and Prevention</i> , 2021, 157, 106158.	3.0	10
30	Walkability in the Connected and Automated Vehicle Era: A U.S. Perspective on Research Needs. <i>Transportation Research Record</i> , 2018, 2672, 118-128.	1.0	8
31	Causal evaluation of the health effects of light rail line: A natural experiment. <i>Journal of Transport and Health</i> , 2022, 24, 101292.	1.1	8
32	Heterogeneity assessment in incident duration modelling: Implications for development of practical strategies for small & large scale incidents. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2022, 26, 586-601.	2.6	7
33	An ordered-probit analysis of enforcement of road speed limits. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2018, 171, 225-234.	0.3	5
34	An analysis of highway work zone safety practices in Pakistan. <i>International Journal of Injury Control and Safety Promotion</i> , 2019, 26, 37-44.	1.0	5
35	Methodology for Simulating Heterogeneous Traffic Flow at Intercity Roads in Developing Countries: A Case Study of University Road in Peshawar. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 2021-2036.	1.7	4
36	Fuel economy gaps within and across garages: A bivariate random parameters seemingly unrelated regression approach. <i>International Journal of Sustainable Transportation</i> , 2019, 13, 324-339.	2.1	4

#	ARTICLE	IF	CITATIONS
37	Toward better measurement of traffic injuries – Comparison of anatomical injury measures in predicting the clinical outcomes in motorcycle crashes. <i>Journal of Safety Research</i> , 2022, 80, 175-189.	1.7	4
38	The 2019 Conference on Health and Active Transportation: Research Needs and Opportunities. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11842.	1.2	3
39	Effects of an urban light rail line on health care utilization and cost: A pre-post assessment. <i>Transport Policy</i> , 2022, 123, 112-120.	3.4	1
40	A joint demand modeling framework for ride-sourcing and dynamic ridesharing services: a geo-additive Markov random field based heterogeneous copula framework. <i>Transportation</i> , 2023, 50, 1809-1845.	2.1	0