Tanmoy Bhowmik

List of Publications by Year
in descending order

19 papers	313 citations	933264 10 h-index	887953 17 g-index
21 all docs	21 docs citations	21 times ranked	211 citing authors

#	Article	IF	Citations
1	Accommodating for systematic and unobserved heterogeneity in panel data: Application to macro-level crash modeling. Analytic Methods in Accident Research, 2022, 33, 100202.	4.7	3
2	An airport level framework for examining the impact of COVID-19 on airline demand. Transportation Research, Part A: Policy and Practice, 2022, 159, 169-181.	2.0	11
3	Understanding Crash Risk Using a Multi-Level Random Parameter Binary Logit Model: Application to Naturalistic Driving Study Data. Transportation Research Record, 2022, 2676, 737-745.	1.0	1
4	Integrating macro and micro level crash frequency models considering spatial heterogeneity and random effects. Analytic Methods in Accident Research, 2022, 36, 100238.	4.7	5
5	Highway safety assessment and improvement through crash prediction by injury severity and vehicle damage using Multivariate Poisson-Lognormal model and Joint Negative Binomial-Generalized Ordered Probit Fractional Split model. Journal of Safety Research, 2021, 76, 44-55.	1.7	22
6	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
7	A comprehensive analysis of COVID-19 transmission and mortality rates at the county level in the United States considering socio-demographics, health indicators, mobility trends and health care infrastructure attributes. PLoS ONE, 2021, 16, e0249133.	1.1	29
8	Enhancing non-motorist safety by simulating trip exposure using a transportation planning approach. Accident Analysis and Prevention, 2021, 156, 106128.	3.0	11
9	Exploring analytical, simulation-based, and hybrid model structures for multivariate crash frequency modeling. Analytic Methods in Accident Research, 2021, 31, 100167.	4.7	12
10	Assessing the crash risks of evacuation: A matched case-control approach applied over data collected during Hurricane Irma. Accident Analysis and Prevention, 2021, 159, 106260.	3.0	8
11	Developing Efficiency Attributes for Right-Turn Flashing Yellow Arrow on Impeding through and Opposing Left Phases Using a Multinomial Logit Model. Journal of Transportation Engineering Part A: Systems, 2021, 147, 04021075.	0.8	0
12	A New Econometric Approach for Modeling Several Count Variables: A Case Study of Crash Frequency Analysis by Crash Type and Severity. Transportation Research Part B: Methodological, 2021, 153, 172-203.	2.8	27
13	A comprehensive county level model to identify factors affecting hospital capacity and predict future hospital demand. Scientific Reports, 2021, 11, 23098.	1.6	7
14	The Potential Impacts of Urban and Transit Planning Scenarios for 2031 on Car Use and Active Transportation in a Metropolitan Area. International Journal of Environmental Research and Public Health, 2020, 17, 5061.	1.2	1
15	A multivariate approach for modeling driver injury severity by body region. Analytic Methods in Accident Research, 2020, 28, 100129.	4.7	17
16	Multivariate copula temporal modeling of intersection crash consequence metrics: A joint estimation of injury severity, crash type, vehicle damage and driver error. Accident Analysis and Prevention, 2019, 125, 188-197.	3.0	53
17	Do we need multivariate modeling approaches to model crash frequency by crash types? A panel mixed approach to modeling crash frequency by crash types. Analytic Methods in Accident Research, 2019, 24, 100107.	4.7	29
18	A multilevel generalized ordered probit fractional split model for analyzing vehicle speed. Analytic Methods in Accident Research, 2019, 21, 13-31.	4.7	24

#	Article	IF	Citations
19	A joint econometric approach for modeling crash counts by collision type. Analytic Methods in Accident Research, 2018, 19, 16-32.	4.7	27