

Tanmoy Bhowmik

List of Publications by Year in descending order

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Version: 2024-02-01

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	Multivariate copula temporal modeling of intersection crash consequence metrics: A joint estimation of injury severity, crash type, vehicle damage and driver error. <i>Accident Analysis and Prevention</i> , 2019, 125, 188-197.	3.0	53
2	Do we need multivariate modeling approaches to model crash frequency by crash types? A panel mixed approach to modeling crash frequency by crash types. <i>Analytic Methods in Accident Research</i> , 2019, 24, 100107.	4.7	29
3	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. <i>PLoS ONE</i> , 2021, 16, e0249133.	1.1	29
4	A joint econometric approach for modeling crash counts by collision type. <i>Analytic Methods in Accident Research</i> , 2018, 19, 16-32.	4.7	27
5	A New Econometric Approach for Modeling Several Count Variables: A Case Study of Crash Frequency Analysis by Crash Type and Severity. <i>Transportation Research Part B: Methodological</i> , 2021, 153, 172-203.	2.8	27
6	A multilevel generalized ordered probit fractional split model for analyzing vehicle speed. <i>Analytic Methods in Accident Research</i> , 2019, 21, 13-31.	4.7	24
7	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. <i>Journal of Safety Research</i> , 2021, 76, 44-55.	1.7	22
8	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. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 122, 102923.	3.9	19
9	A multivariate approach for modeling driver injury severity by body region. <i>Analytic Methods in Accident Research</i> , 2020, 28, 100129.	4.7	17
10	Exploring analytical, simulation-based, and hybrid model structures for multivariate crash frequency modeling. <i>Analytic Methods in Accident Research</i> , 2021, 31, 100167.	4.7	12
11	Enhancing non-motorist safety by simulating trip exposure using a transportation planning approach. <i>Accident Analysis and Prevention</i> , 2021, 156, 106128.	3.0	11
12	An airport level framework for examining the impact of COVID-19 on airline demand. <i>Transportation Research, Part A: Policy and Practice</i> , 2022, 159, 169-181.	2.0	11
13	Assessing the crash risks of evacuation: A matched case-control approach applied over data collected during Hurricane Irma. <i>Accident Analysis and Prevention</i> , 2021, 159, 106260.	3.0	8
14	A comprehensive county level model to identify factors affecting hospital capacity and predict future hospital demand. <i>Scientific Reports</i> , 2021, 11, 23098.	1.6	7
15	Integrating macro and micro level crash frequency models considering spatial heterogeneity and random effects. <i>Analytic Methods in Accident Research</i> , 2022, 36, 100238.	4.7	5
16	Accommodating for systematic and unobserved heterogeneity in panel data: Application to macro-level crash modeling. <i>Analytic Methods in Accident Research</i> , 2022, 33, 100202.	4.7	3
17	The Potential Impacts of Urban and Transit Planning Scenarios for 2031 on Car Use and Active Transportation in a Metropolitan Area. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5061.	1.2	1
18	Understanding Crash Risk Using a Multi-Level Random Parameter Binary Logit Model: Application to Naturalistic Driving Study Data. <i>Transportation Research Record</i> , 2022, 2676, 737-745.	1.0	1

#	ARTICLE	IF	CITATIONS
19	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