

Subasish Das

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

1,633
citations

304602

22
h-index

414303

32
g-index

107
all docs

107
docs citations

107
times ranked

880
citing authors

#	ARTICLE	IF	CITATIONS
1	City Transit Rider Tweets: Understanding Sentiments and Politeness. Journal of Urban Technology, 2023, 30, 111-126.	2.5	4
2	Understanding patterns of moped and seated motor scooter (50 cc or less) involved fatal crashes using cluster correspondence analysis. Transportmetrica A: Transport Science, 2023, 19, .	1.3	7
3	Young drivers and cellphone distraction: Pattern recognition from fatal crashes. Journal of Transportation Safety and Security, 2023, 15, 239-264.	1.1	7
4	Severity modeling of work zone crashes in New Jersey using machine learning models. Journal of Transportation Safety and Security, 2023, 15, 604-635.	1.1	5
5	Impact of operating speed measures on traffic crashes: Annual and daily level models for rural two-lane and rural multilane roadways. Journal of Transportation Safety and Security, 2023, 15, 584-603.	1.1	2
6	Flooding related traffic crashes: findings from association rules. Journal of Transportation Safety and Security, 2022, 14, 111-129.	1.1	10
7	Pattern recognition in speeding related motorcycle crashes. Journal of Transportation Safety and Security, 2022, 14, 1121-1138.	1.1	9
8	Fatal crashes at highway rail grade crossings: A U.S. based study. International Journal of Transportation Science and Technology, 2022, 11, 107-117.	2.0	10
9	Identifying Patterns of Key Factors in Sun Glare-Related Traffic Crashes. Transportation Research Record, 2022, 2676, 165-175.	1.0	8
10	Twelve-Year Analysis of Transportation Research Board Annual Meeting's Official Hashtag. Transportation Research Record, 2022, 2676, 763-772.	1.0	2
11	Improving Stratification Procedures and Accuracy of Annual Average Daily Traffic (AADT) Estimates for Non-Federal Aid-System (NFAS) Roads. Transportation Research Record, 2022, 2676, 393-406.	1.0	1
12	Pattern recognition from light delivery vehicle crash characteristics. Journal of Transportation Safety and Security, 2022, 14, 2055-2073.	1.1	4
13	Mining patterns of autonomous vehicle crashes involving vulnerable road users to understand the associated factors. Accident Analysis and Prevention, 2022, 165, 106473.	3.0	29
14	Factors affecting motorcycle crash casualty severity at signalized and non-signalized intersections in Ghana: Insights from a data mining and binary logit regression approach. Accident Analysis and Prevention, 2022, 165, 106517.	3.0	40
15	Using Cluster Correspondence Analysis to Explore Rainy Weather Crashes in Louisiana. Transportation Research Record, 2022, 2676, 159-173.	1.0	6
16	Bridge Deck Deterioration: Reasons and Patterns. Transportation Research Record, 2022, 2676, 570-584.	1.0	8
17	Derivation of the Empirical Bayesian method for the Negative Binomial-Lindley generalized linear model with application in traffic safety. Accident Analysis and Prevention, 2022, 170, 106638.	3.0	12
18	Factors associated with driver injury severity of motor vehicle crashes on sealed and unsealed pavements: Random parameter model with heterogeneity in means and variances. International Journal of Transportation Science and Technology, 2022, , .	2.0	8

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19	Mining groups of factors influencing bus/minibus crash severities on poor pavement condition roads considering different lighting status. <i>Traffic Injury Prevention</i> , 2022, 23, 308-314.	0.6	6
20	In-Depth Understanding of Near-Crash Events Through Pattern Recognition. <i>Transportation Research Record</i> , 2022, 2676, 775-785.	1.0	3
21	Short Duration Crash Prediction for Rural Two-Lane Roadways: Applying Explainable Artificial Intelligence. <i>Transportation Research Record</i> , 2022, 2676, 535-549.	1.0	10
22	Rule-based safety prediction models for rural two-lane run-off-road crashes. <i>International Journal of Transportation Science and Technology</i> , 2021, 10, 235-244.	2.0	5
23	Understanding patterns in Marijuana impaired traffic crashes. <i>Journal of Substance Use</i> , 2021, 26, 21-29.	0.3	7
24	Inclusion of speed and weather measures in safety performance functions for rural roadways. <i>IATSS Research</i> , 2021, 45, 60-69.	1.8	10
25	Identifying key patterns in motorcycle crashes: findings from taxicab correspondence analysis. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 593-614.	1.3	15
26	Characterizing public emotions and sentiments in COVID-19 environment: A case study of India. <i>Journal of Human Behavior in the Social Environment</i> , 2021, 31, 154-167.	1.1	41
27	Exploration of the relationship among roadway characteristics, operating speed, and crashes for city streets using path analysis. <i>Accident Analysis and Prevention</i> , 2021, 150, 105896.	3.0	28
28	Traffic volume prediction on low-volume roadways: a Cubist approach. <i>Transportation Planning and Technology</i> , 2021, 44, 93-110.	0.9	5
29	Motor vehicle driver injury severity analysis utilizing a random parameter binary probit model considering different types of driving licenses in 4-legs roundabouts in South Australia. <i>Safety Science</i> , 2021, 134, 105083.	2.6	19
30	Exploring the influential factors of roadway departure crashes on rural two-lane highways with logit model and association rules mining. <i>International Journal of Transportation Science and Technology</i> , 2021, 10, 167-183.	2.0	14
31	A penalized-likelihood approach to characterizing bridge-related crashes in New Jersey. <i>Traffic Injury Prevention</i> , 2021, 22, 63-67.	0.6	2
32	Applying Bayesian data mining to measure the effect of vehicular defects on crash severity. <i>Journal of Transportation Safety and Security</i> , 2021, 13, 605-621.	1.1	12
33	Hit and run crash analysis using association rules mining. <i>Journal of Transportation Safety and Security</i> , 2021, 13, 123-142.	1.1	19
34	Autonomous Vehicles and Pedestrians: A Case Study of Human Computer Interaction. <i>Lecture Notes in Computer Science</i> , 2021, , 226-239.	1.0	1
35	Automobile Safety Inspection. , 2021, , 85-89.		0
36	Applying interpretable machine learning to classify tree and utility pole related crash injury types. <i>IATSS Research</i> , 2021, 45, 310-316.	1.8	14

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37	Safety performance functions for low-volume rural minor collector two-lane roadways. IATSS Research, 2021, 45, 347-356.	1.8	10
38	Characterizing phone usage while driving: Safety impact from road and operational perspectives using factor analysis. Accident Analysis and Prevention, 2021, 152, 106012.	3.0	16
39	Considering Roadway Context in Setting Posted Speed Limits. Transportation Research Record, 2021, 2675, 590-602.	1.0	6
40	Sharing the road with autonomous vehicles: A qualitative analysis of the perceptions of pedestrians and bicyclists. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 78, 433-445.	1.8	43
41	Lessons learned from pedestrian-driver communication and yielding patterns. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 79, 35-48.	1.8	13
42	Understanding Fatal Crash Reporting Patterns in Bangladeshi Online Media using Text Mining. Transportation Research Record, 2021, 2675, 960-971.	1.0	8
43	Mining crowdsourced data on bicycle safety critical events. Transportation Research Interdisciplinary Perspectives, 2021, 10, 100360.	1.6	1
44	Application of different negative binomial parameterizations to develop safety performance functions for non-federal aid system roads. Accident Analysis and Prevention, 2021, 156, 106103.	3.0	18
45	Temporal instability assessment of injury severities of motor vehicle drivers at give-way controlled unsignalized intersections: A random parameters approach with heterogeneity in means and variances. Accident Analysis and Prevention, 2021, 156, 106151.	3.0	22
46	Mining patterns of near-crash events with and without secondary tasks. Accident Analysis and Prevention, 2021, 157, 106162.	3.0	15
47	Autonomous vehicle safety: Understanding perceptions of pedestrians and bicyclists. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 81, 41-54.	1.8	20
48	Fatal pedestrian crashes at intersections: Trend mining using association rules. Accident Analysis and Prevention, 2021, 160, 106306.	3.0	26
49	Patterns of near-crash events in a naturalistic driving dataset: Applying rules mining. Accident Analysis and Prevention, 2021, 161, 106346.	3.0	10
50	Modeling two-way stop-controlled intersection crashes with zero-inflated models on Louisiana rural two-lane highways. IATSS Research, 2021, 45, 303-309.	1.8	5
51	Improper Passing and Lane-Change Related Crashes: Pattern Recognition Using Association Rules Negative Binomial Mining. Advances in Intelligent Systems and Computing, 2021, , 561-575.	0.5	0
52	Patterns of rainy weather crashes: Applying rules mining. Journal of Transportation Safety and Security, 2020, 12, 1083-1105.	1.1	26
53	Interpretable machine learning approach in estimating traffic volume on low-volume roadways. International Journal of Transportation Science and Technology, 2020, 9, 76-88.	2.0	31
54	Safety effectiveness of truck lane restrictions: a case study on Texas urban corridors. International Journal of Urban Sciences, 2020, 24, 35-49.	1.3	7

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55	Severity analysis of tree and utility pole crashes: Applying fast and frugal heuristics. IATSS Research, 2020, 44, 85-93.	1.8	3
56	Extremely serious crashes on urban roadway networks: Patterns and trends. IATSS Research, 2020, 44, 248-252.	1.8	14
57	Determining Skid Resistance Needs on Horizontal Curves for Different Levels of Precipitation. Transportation Research Record, 2020, 2674, 358-370.	1.0	7
58	Reconfiguring Urban Undivided Four-Lane Highways to Five-Lane: A Nonideal but Very Effective Solution for Crash Reduction. Journal of Transportation Engineering Part A: Systems, 2020, 146, 04020116.	0.8	1
59	Pedestrians under influence (PUI) crashes: Patterns from correspondence regression analysis. Journal of Safety Research, 2020, 75, 14-23.	1.7	17
60	Case Study of Trend Mining in <i>Transportation Research Record</i> Articles. Transportation Research Record, 2020, 2674, 1-14.	1.0	11
61	Vehicle involvements in hydroplaning crashes: Applying interpretable machine learning. Transportation Research Interdisciplinary Perspectives, 2020, 6, 100176.	1.6	6
62	Estimation of Average Annual Daily Bicycle Counts using Crowdsourced Strava Data. Transportation Research Record, 2020, 2674, 390-402.	1.0	19
63	Application of machine learning tools in classifying pedestrian crash types: A case study. Transportation Safety and Environment, 2020, 2, 106-119.	1.1	22
64	Investigating the Role of Big Data in Transportation Safety. Transportation Research Record, 2020, 2674, 244-252.	1.0	1
65	RuralSpeedSafetyX: Interactive decision support tool to improve safety. SoftwareX, 2020, 11, 100493.	1.2	4
66	Technological perception on autonomous vehicles: perspectives of the non-motorists. Technology Analysis and Strategic Management, 2020, 32, 1335-1352.	2.0	26
67	Understanding speeding behavior from naturalistic driving data: Applying classification based association rule mining. Accident Analysis and Prevention, 2020, 144, 105620.	3.0	39
68	Understanding crime and demographic influence on non-motorized trips: Macro-level analysis. Journal of Human Behavior in the Social Environment, 2020, 30, 251-264.	1.1	0
69	Uncovering Deep Structure of Determinants in Large Truck Fatal Crashes. Transportation Research Record, 2020, 2674, 742-754.	1.0	8
70	Automated vehicle collisions in California: Applying Bayesian latent class model. IATSS Research, 2020, 44, 300-308.	1.8	35
71	Non-fear-Based Road Safety Campaign as a Community Service: Contexts from Social Media. Communications in Computer and Information Science, 2020, , 83-99.	0.4	7
72	Designing Transit Agency Job Descriptions for Optimal Roles: An Analytical Text-Mining Approach. , 2020, , .		2

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73	Current Attitudes among Transportation Professionals with Respect to the Setting of Posted Speed Limits. Transportation Research Record, 2019, 2673, 778-788.	1.0	9
74	Pattern Identification from Older Bicyclist Fatal Crashes. Transportation Research Record, 2019, 2673, 638-649.	1.0	20
75	Understanding crash potential associated with teen driving: Survey analysis using multivariate graphical method. Journal of Safety Research, 2019, 70, 213-222.	1.7	18
76	Safety Performance Functions of Low-Volume Roadways. Transportation Research Record, 2019, 2673, 798-810.	1.0	7
77	A semi-automated tool for identifying agricultural roadway crashes in crash narratives. Traffic Injury Prevention, 2019, 20, 413-418.	0.6	5
78	Hit and run crashes: Knowledge extraction from bicycle involved crashes using first and frugal tree. International Journal of Transportation Science and Technology, 2019, 8, 146-160.	2.0	12
79	Measuring the Effectiveness of Vehicle Inspection Regulations in Different States of the U.S.. Transportation Research Record, 2019, 2673, 208-219.	1.0	12
80	Elderly Pedestrian Fatal Crash-Related Contributing Factors: Applying Empirical Bayes Geometric Mean Method. Transportation Research Record, 2019, 2673, 254-263.	1.0	18
81	YouTube as a Source of Information in Understanding Autonomous Vehicle Consumers: Natural Language Processing Study. Transportation Research Record, 2019, 2673, 242-253.	1.0	26
82	Extracting patterns from Twitter to promote biking. IATSS Research, 2019, 43, 51-59.	1.8	39
83	Supervised association rules mining on pedestrian crashes in urban areas: identifying patterns for appropriate countermeasures. International Journal of Urban Sciences, 2019, 23, 30-48.	1.3	57
84	Association of reduced visibility with crash outcomes. IATSS Research, 2018, 42, 143-151.	1.8	18
85	Investigation on the wrong way driving crash patterns using multiple correspondence analysis. Accident Analysis and Prevention, 2018, 111, 43-55.	3.0	68
86	Vehicle Consumer Complaint Reports Involving Severe Incidents: Mining Large Contingency Tables. Transportation Research Record, 2018, 2672, 72-82.	1.0	22
87	Using Deep Learning in Severity Analysis of At-Fault Motorcycle Rider Crashes. Transportation Research Record, 2018, 2672, 122-134.	1.0	29
88	Factors influencing the patterns of wrong-way driving crashes on freeway exit ramps and median crossovers: Exploration using "Eclat" association rules to promote safety. International Journal of Transportation Science and Technology, 2018, 7, 114-123.	2.0	54
89	Safety effectiveness of roadway conversion with a two way left turn lane. Journal of Traffic and Transportation Engineering (English Edition), 2018, 5, 309-317.	2.0	2
90	Exploratory Analysis of Run-Off-Road Crash Patterns. , 2018, , 183-200.		6

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91	Trends in Transportation Research. Transportation Research Record, 2017, 2614, 27-38.	1.0	36
92	Text Mining and Topic Modeling of Compendiums of Papers from Transportation Research Board Annual Meetings. Transportation Research Record, 2016, 2552, 48-56.	1.0	41
93	Association knowledge for fatal run-off-road crashes by Multiple Correspondence Analysis. IATSS Research, 2016, 39, 146-155.	1.8	77
94	Factor Association with Multiple Correspondence Analysis in Vehicleâ€Pedestrian Crashes. Transportation Research Record, 2015, 2519, 95-103.	1.0	57
95	Estimating likelihood of future crashes for crash-prone drivers. Journal of Traffic and Transportation Engineering (English Edition), 2015, 2, 145-157.	2.0	36
96	Imaged-based discrete element modeling of hot mix asphalt mixtures. Materials and Structures/Materiaux Et Constructions, 2015, 48, 2417-2430.	1.3	31
97	Investigating User Ridership Sentiments for Bike Sharing Programs. Journal of Transportation Technologies, 2015, 05, 69-75.	0.2	16
98	Investigating Safety Impact of Edgelines on Narrow, Rural Two-Lane Highways by Empirical Bayes Method. Transportation Research Record, 2014, 2433, 121-128.	1.0	11
99	Analyzing Crash-Prone Drivers in Multiple Crashes for Better Safety Educational and Enforcement Strategies. Journal of Transportation Technologies, 2014, 04, 93-100.	0.2	2
100	Four-Lane to Five-Lane Urban Roadway Conversions for Safety. Journal of Transportation Safety and Security, 2013, 5, 106-117.	1.1	5
101	Level of service for parking facilities. , 2012, , .		2
102	Exploratory Analysis of Unmanned Aircraft Sightings using Text Mining. Transportation Research Record, 0, , 036119812098723.	1.0	4
103	Topic Models from Crash Narrative Reports of Motorcycle Crash Causation Study. Transportation Research Record, 0, , 036119812110025.	1.0	7
104	Pattern recognition from cyclist under influence (CUI) crash events: application of block cluster analysis. Journal of Substance Use, 0, , 1-6.	0.3	0
105	Quantifying Bridge Element Vulnerability over Time. Transportation Research Record, 0, , 036119812110363.	1.0	2
106	Hit and run crash analysis using association rules mining. , 0, .		1