

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	Association knowledge for fatal run-off-road crashes by Multiple Correspondence Analysis. IATSS Research, 2016, 39, 146-155.	1.8	77
2	Investigation on the wrong way driving crash patterns using multiple correspondence analysis. Accident Analysis and Prevention, 2018, 111, 43-55.	3.0	68
3	Factor Association with Multiple Correspondence Analysis in Vehicle-Pedestrian Crashes. Transportation Research Record, 2015, 2519, 95-103.	1.0	57
4	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
5	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
6	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
7	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
8	Characterizing public emotions and sentiments in COVID-19 environment: A case study of India. Journal of Human Behavior in the Social Environment, 2021, 31, 154-167.	1.1	41
9	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
10	Extracting patterns from Twitter to promote biking. IATSS Research, 2019, 43, 51-59.	1.8	39
11	Understanding speeding behavior from naturalistic driving data: Applying classification based association rule mining. Accident Analysis and Prevention, 2020, 144, 105620.	3.0	39
12	Estimating likelihood of future crashes for crash-prone drivers. Journal of Traffic and Transportation Engineering (English Edition), 2015, 2, 145-157.	2.0	36
13	Trends in Transportation Research. Transportation Research Record, 2017, 2614, 27-38.	1.0	36
14	Automated vehicle collisions in California: Applying Bayesian latent class model. IATSS Research, 2020, 44, 300-308.	1.8	35
15	Imaged-based discrete element modeling of hot mix asphalt mixtures. Materials and Structures/Materiaux Et Constructions, 2015, 48, 2417-2430.	1.3	31
16	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
17	Using Deep Learning in Severity Analysis of At-Fault Motorcycle Rider Crashes. Transportation Research Record, 2018, 2672, 122-134.	1.0	29
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	YouTube as a Source of Information in Understanding Autonomous Vehicle Consumers: Natural Language Processing Study. <i>Transportation Research Record</i> , 2019, 2673, 242-253.	1.0	26
21	Patterns of rainy weather crashes: Applying rules mining. <i>Journal of Transportation Safety and Security</i> , 2020, 12, 1083-1105.	1.1	26
22	Technological perception on autonomous vehicles: perspectives of the non-motorists. <i>Technology Analysis and Strategic Management</i> , 2020, 32, 1335-1352.	2.0	26
23	Fatal pedestrian crashes at intersections: Trend mining using association rules. <i>Accident Analysis and Prevention</i> , 2021, 160, 106306.	3.0	26
24	Vehicle Consumer Complaint Reports Involving Severe Incidents: Mining Large Contingency Tables. <i>Transportation Research Record</i> , 2018, 2672, 72-82.	1.0	22
25	Application of machine learning tools in classifying pedestrian crash types: A case study. <i>Transportation Safety and Environment</i> , 2020, 2, 106-119.	1.1	22
26	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. <i>Accident Analysis and Prevention</i> , 2021, 156, 106151.	3.0	22
27	Pattern Identification from Older Bicyclist Fatal Crashes. <i>Transportation Research Record</i> , 2019, 2673, 638-649.	1.0	20
28	Autonomous vehicle safety: Understanding perceptions of pedestrians and bicyclists. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 81, 41-54.	1.8	20
29	Estimation of Average Annual Daily Bicycle Counts using Crowdsourced Strava Data. <i>Transportation Research Record</i> , 2020, 2674, 390-402.	1.0	19
30	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
31	Hit and run crash analysis using association rules mining. <i>Journal of Transportation Safety and Security</i> , 2021, 13, 123-142.	1.1	19
32	Association of reduced visibility with crash outcomes. <i>IATSS Research</i> , 2018, 42, 143-151.	1.8	18
33	Understanding crash potential associated with teen driving: Survey analysis using multivariate graphical method. <i>Journal of Safety Research</i> , 2019, 70, 213-222.	1.7	18
34	Elderly Pedestrian Fatal Crash-Related Contributing Factors: Applying Empirical Bayes Geometric Mean Method. <i>Transportation Research Record</i> , 2019, 2673, 254-263.	1.0	18
35	Application of different negative binomial parameterizations to develop safety performance functions for non-federal aid system roads. <i>Accident Analysis and Prevention</i> , 2021, 156, 106103.	3.0	18
36	Pedestrians under influence (PUI) crashes: Patterns from correspondence regression analysis. <i>Journal of Safety Research</i> , 2020, 75, 14-23.	1.7	17

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37	Characterizing phone usage while driving: Safety impact from road and operational perspectives using factor analysis. <i>Accident Analysis and Prevention</i> , 2021, 152, 106012.	3.0	16
38	Investigating User Ridership Sentiments for Bike Sharing Programs. <i>Journal of Transportation Technologies</i> , 2015, 05, 69-75.	0.2	16
39	Identifying key patterns in motorcycle crashes: findings from taxicab correspondence analysis. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 593-614.	1.3	15
40	Mining patterns of near-crash events with and without secondary tasks. <i>Accident Analysis and Prevention</i> , 2021, 157, 106162.	3.0	15
41	Extremely serious crashes on urban roadway networks: Patterns and trends. <i>IATSS Research</i> , 2020, 44, 248-252.	1.8	14
42	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
43	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
44	Lessons learned from pedestrian-driver communication and yielding patterns. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 79, 35-48.	1.8	13
45	Hit and run crashes: Knowledge extraction from bicycle involved crashes using first and frugal tree. <i>International Journal of Transportation Science and Technology</i> , 2019, 8, 146-160.	2.0	12
46	Measuring the Effectiveness of Vehicle Inspection Regulations in Different States of the U.S.. <i>Transportation Research Record</i> , 2019, 2673, 208-219.	1.0	12
47	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
48	Derivation of the Empirical Bayesian method for the Negative Binomial-Lindley generalized linear model with application in traffic safety. <i>Accident Analysis and Prevention</i> , 2022, 170, 106638.	3.0	12
49	Investigating Safety Impact of Edgelines on Narrow, Rural Two-Lane Highways by Empirical Bayes Method. <i>Transportation Research Record</i> , 2014, 2433, 121-128.	1.0	11
50	Case Study of Trend Mining in <i>Transportation Research Record</i> Articles. <i>Transportation Research Record</i> , 2020, 2674, 1-14.	1.0	11
51	Flooding related traffic crashes: findings from association rules. <i>Journal of Transportation Safety and Security</i> , 2022, 14, 111-129.	1.1	10
52	Inclusion of speed and weather measures in safety performance functions for rural roadways. <i>IATSS Research</i> , 2021, 45, 60-69.	1.8	10
53	Safety performance functions for low-volume rural minor collector two-lane roadways. <i>IATSS Research</i> , 2021, 45, 347-356.	1.8	10
54	Fatal crashes at highway rail grade crossings: A U.S. based study. <i>International Journal of Transportation Science and Technology</i> , 2022, 11, 107-117.	2.0	10

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55	Patterns of near-crash events in a naturalistic driving dataset: Applying rules mining. Accident Analysis and Prevention, 2021, 161, 106346.	3.0	10
56	Short Duration Crash Prediction for Rural Two-Lane Roadways: Applying Explainable Artificial Intelligence. Transportation Research Record, 2022, 2676, 535-549.	1.0	10
57	Current Attitudes among Transportation Professionals with Respect to the Setting of Posted Speed Limits. Transportation Research Record, 2019, 2673, 778-788.	1.0	9
58	Pattern recognition in speeding related motorcycle crashes. Journal of Transportation Safety and Security, 2022, 14, 1121-1138.	1.1	9
59	Uncovering Deep Structure of Determinants in Large Truck Fatal Crashes. Transportation Research Record, 2020, 2674, 742-754.	1.0	8
60	Understanding Fatal Crash Reporting Patterns in Bangladeshi Online Media using Text Mining. Transportation Research Record, 2021, 2675, 960-971.	1.0	8
61	Identifying Patterns of Key Factors in Sun Glare-Related Traffic Crashes. Transportation Research Record, 2022, 2676, 165-175.	1.0	8
62	Bridge Deck Deterioration: Reasons and Patterns. Transportation Research Record, 2022, 2676, 570-584.	1.0	8
63	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
64	Safety Performance Functions of Low-Volume Roadways. Transportation Research Record, 2019, 2673, 798-810.	1.0	7
65	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
66	Determining Skid Resistance Needs on Horizontal Curves for Different Levels of Precipitation. Transportation Research Record, 2020, 2674, 358-370.	1.0	7
67	Understanding patterns in Marijuana impaired traffic crashes. Journal of Substance Use, 2021, 26, 21-29.	0.3	7
68	Topic Models from Crash Narrative Reports of Motorcycle Crash Causation Study. Transportation Research Record, 0, , 036119812110025.	1.0	7
69	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
70	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
71	Young drivers and cellphone distraction: Pattern recognition from fatal crashes. Journal of Transportation Safety and Security, 2023, 15, 239-264.	1.1	7
72	Vehicle involvements in hydroplaning crashes: Applying interpretable machine learning. Transportation Research Interdisciplinary Perspectives, 2020, 6, 100176.	1.6	6

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73	Considering Roadway Context in Setting Posted Speed Limits. Transportation Research Record, 2021, 2675, 590-602.	1.0	6
74	Exploratory Analysis of Run-Off-Road Crash Patterns. , 2018, , 183-200.		6
75	Using Cluster Correspondence Analysis to Explore Rainy Weather Crashes in Louisiana. Transportation Research Record, 2022, 2676, 159-173.	1.0	6
76	Mining groups of factors influencing bus/minibus crash severities on poor pavement condition roads considering different lighting status. Traffic Injury Prevention, 2022, 23, 308-314.	0.6	6
77	Four-Lane to Five-Lane Urban Roadway Conversions for Safety. Journal of Transportation Safety and Security, 2013, 5, 106-117.	1.1	5
78	A semi-automated tool for identifying agricultural roadway crashes in crash narratives. Traffic Injury Prevention, 2019, 20, 413-418.	0.6	5
79	Rule-based safety prediction models for rural two-lane run-off-road crashes. International Journal of Transportation Science and Technology, 2021, 10, 235-244.	2.0	5
80	Traffic volume prediction on low-volume roadways: a Cubist approach. Transportation Planning and Technology, 2021, 44, 93-110.	0.9	5
81	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
82	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
83	RuralSpeedSafetyX: Interactive decision support tool to improve safety. SoftwareX, 2020, 11, 100493.	1.2	4
84	Exploratory Analysis of Unmanned Aircraft Sightings using Text Mining. Transportation Research Record, 0, , 036119812098723.	1.0	4
85	City Transit Rider Tweets: Understanding Sentiments and Politeness. Journal of Urban Technology, 2023, 30, 111-126.	2.5	4
86	Pattern recognition from light delivery vehicle crash characteristics. Journal of Transportation Safety and Security, 2022, 14, 2055-2073.	1.1	4
87	Severity analysis of tree and utility pole crashes: Applying fast and frugal heuristics. IATSS Research, 2020, 44, 85-93.	1.8	3
88	In-Depth Understanding of Near-Crash Events Through Pattern Recognition. Transportation Research Record, 2022, 2676, 775-785.	1.0	3
89	Level of service for parking facilities. , 2012, , .		2
90	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

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91	A penalized-likelihood approach to characterizing bridge-related crashes in New Jersey. Traffic Injury Prevention, 2021, 22, 63-67.	0.6	2
92	Quantifying Bridge Element Vulnerability over Time. Transportation Research Record, 0, , 036119812110363.	1.0	2
93	Twelve-Year Analysis of Transportation Research Board Annual Meeting's Official Hashtag. Transportation Research Record, 2022, 2676, 763-772.	1.0	2
94	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
95	Designing Transit Agency Job Descriptions for Optimal Roles: An Analytical Text-Mining Approach. , 2020, , .		2
96	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
97	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
98	Investigating the Role of Big Data in Transportation Safety. Transportation Research Record, 2020, 2674, 244-252.	1.0	1
99	Autonomous Vehicles and Pedestrians: A Case Study of Human Computer Interaction. Lecture Notes in Computer Science, 2021, , 226-239.	1.0	1
100	Mining crowdsourced data on bicycle safety critical events. Transportation Research Interdisciplinary Perspectives, 2021, 10, 100360.	1.6	1
101	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
102	Hit and run crash analysis using association rules mining. , 0, .		1
103	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
104	Automobile Safety Inspection. , 2021, , 85-89.		0
105	Pattern recognition from cyclist under influence (CUI) crash events: application of block cluster analysis. Journal of Substance Use, 0, , 1-6.	0.3	0
106	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