

Asad J Khattak

List of Publications by Year in descending order

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Version: 2024-02-01

195
papers

6,408
citations

57631

44
h-index

102304

66
g-index

198
all docs

198
docs citations

198
times ranked

3693
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying the Ordered Probit Model to Injury Severity in Truck-Passenger Car Rear-End Collisions. Transportation Research Record, 1998, 1635, 63-71.	1.0	193
2	Can New Urbanism Encourage Physical Activity?: Comparing a New Urbanist Neighborhood with Conventional Suburbs. Journal of the American Planning Association, 2006, 72, 43-54.	0.9	191
3	Space Syntax and Walking in a New Urbanist and Suburban Neighbourhoods. Journal of Urban Design, 2008, 13, 5-28.	0.6	163
4	Effects of work zone presence on injury and non-injury crashes. Accident Analysis and Prevention, 2002, 34, 19-29.	3.0	145
5	Multivariate random-parameters zero-inflated negative binomial regression model: An application to estimate crash frequencies at intersections. Accident Analysis and Prevention, 2014, 70, 320-329.	3.0	140
6	Travel behavior in neo-traditional neighborhood developments: A case study in USA. Transportation Research, Part A: Policy and Practice, 2005, 39, 481-500.	2.0	137
7	The role of the built environment in explaining relationships between perceived and actual pedestrian and bicyclist safety. Accident Analysis and Prevention, 2009, 41, 692-702.	3.0	131
8	Factors Influencing Bicycle Crash Severity on Two-Lane, Undivided Roadways in North Carolina. Transportation Research Record, 1999, 1674, 78-85.	1.0	124
9	An accident waiting to happen: a spatial approach to proactive pedestrian planning. Accident Analysis and Prevention, 2004, 36, 193-211.	3.0	114
10	Travel by University Students in Virginia. Transportation Research Record, 2011, 2255, 137-145.	1.0	107
11	Role of Adverse Weather in Key Crash Types on Limited-Access: Roadways Implications for Advanced Weather Systems. Transportation Research Record, 1998, 1621, 10-19.	1.0	106
12	A SIMPLE TIME SEQUENTIAL PROCEDURE FOR PREDICTING FREEWAY INCIDENT DURATION. I V H S Journal, 1995, 2, 113-138.	0.2	93
13	Cooperative Game Approach to Optimal Merging Sequence and on-Ramp Merging Control of Connected and Automated Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4234-4244.	4.7	90
14	Urban Form, Individual Spatial Footprints, and Travel. Transportation Research Record, 2008, 2082, 98-106.	1.0	86
15	Delivering improved alerts, warnings, and control assistance using basic safety messages transmitted between connected vehicles. Transportation Research Part C: Emerging Technologies, 2016, 68, 83-100.	3.9	86
16	Effect of Speed Limit Increases on Crash Injury Severity: Analysis of Single-Vehicle Crashes on North Carolina Interstate Highways. Transportation Research Record, 1999, 1665, 100-108.	1.0	83
17	Injury Severity in Multivehicle Rear-End Crashes. Transportation Research Record, 2001, 1746, 59-68.	1.0	81
18	Exploratory analysis of automated vehicle crashes in California: A text analytics & hierarchical Bayesian heterogeneity-based approach. Accident Analysis and Prevention, 2020, 135, 105354.	3.0	81

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19	What is the level of volatility in instantaneous driving decisions?. Transportation Research Part C: Emerging Technologies, 2015, 58, 413-427.	3.9	80
20	How instantaneous driving behavior contributes to crashes at intersections: Extracting useful information from connected vehicle message data. Accident Analysis and Prevention, 2019, 127, 118-133.	3.0	79
21	Incident management integration tool: dynamically predicting incident durations, secondary incident occurrence and incident delays. IET Intelligent Transport Systems, 2012, 6, 204.	1.7	74
22	Classifying travelers' driving style using basic safety messages generated by connected vehicles: Application of unsupervised machine learning. Transportation Research Part C: Emerging Technologies, 2021, 122, 102917.	3.9	74
23	Extracting Useful Information from Basic Safety Message Data: An Empirical Study of Driving Volatility Measures and Crash Frequency at Intersections. Transportation Research Record, 2018, 2672, 290-301.	1.0	71
24	The impact of adverse weather conditions on the propensity to change travel decisions: A survey of Brussels commuters. Transportation Research, Part A: Policy and Practice, 1997, 31, 181-203.	2.0	69
25	Willingness to pay for travel information. Transportation Research Part C: Emerging Technologies, 2003, 11, 137-159.	3.9	69
26	Injury Severity and Total Harm in Truck-Involved Work Zone Crashes. Transportation Research Record, 2004, 1877, 106-116.	1.0	69
27	Safety evaluation of connected and automated vehicles in mixed traffic with conventional vehicles at intersections. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2021, 25, 170-187.	2.6	69
28	Injury Effects of Rollovers and Events Sequence in Single-Vehicle Crashes. Transportation Research Record, 2000, 1717, 46-54.	1.0	64
29	Analysis of volatility in driving regimes extracted from basic safety messages transmitted between connected vehicles. Transportation Research Part C: Emerging Technologies, 2017, 84, 48-73.	3.9	64
30	How is driving volatility related to intersection safety? A Bayesian heterogeneity-based analysis of instrumented vehicles data. Transportation Research Part C: Emerging Technologies, 2018, 92, 504-524.	3.9	64
31	Exploring the who, what, when, where, and why of automated vehicle disengagements. Accident Analysis and Prevention, 2020, 136, 105406.	3.0	63
32	What Is the Role of Multiple Secondary Incidents in Traffic Operations?. Journal of Transportation Engineering, 2010, 136, 986-997.	0.9	62
33	Stated preferences for investigating commuters' diversion propensity. Transportation, 1993, 20, 107-127.	2.1	60
34	Are Incident Durations and Secondary Incidents Interdependent?. Transportation Research Record, 2009, 2099, 39-49.	1.0	60
35	What are the differences in driver injury outcomes at highway-rail grade crossings? Untangling the role of pre-crash behaviors. Accident Analysis and Prevention, 2015, 85, 157-169.	3.0	59
36	The role of pre-crash driving instability in contributing to crash intensity using naturalistic driving data. Accident Analysis and Prevention, 2019, 132, 105226.	3.0	59

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37	Safety, Energy, and Emissions Impacts of Adaptive Cruise Control and Cooperative Adaptive Cruise Control. <i>Transportation Research Record</i> , 2020, 2674, 253-267.	1.0	59
38	Modeling Revealed and Stated Pretrip Travel Response to Advanced Traveler Information Systems. <i>Transportation Research Record</i> , 1996, 1537, 46-54.	1.0	57
39	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
40	Integration of automated vehicles in mixed traffic: Evaluating changes in performance of following human-driven vehicles. <i>Accident Analysis and Prevention</i> , 2021, 152, 106006.	3.0	55
41	Modeling Revealed and Stated Pretrip Travel Response to Advanced Traveler Information Systems. , 0, .		53
42	Behavioral issues in the design and evaluation of advanced traveler information systems. <i>Transportation Research Part C: Emerging Technologies</i> , 1993, 1, 107-117.	3.9	52
43	Generating Emissions Information for Route Selection: Experimental Monitoring and Routes Characterization. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2013, 17, 3-17.	2.6	52
44	Modeling Traffic Incident Duration Using Quantile Regression. <i>Transportation Research Record</i> , 2016, 2554, 139-148.	1.0	51
45	Modeling Revealed and Stated En-Route Travel Response to Advanced Traveler Information Systems. , 0, .		51
46	Are SUVs "Supremely Unsafe Vehicles"? Analysis of Rollovers and Injuries with Sport Utility Vehicles. <i>Transportation Research Record</i> , 2003, 1840, 167-177.	1.0	50
47	Commuters' enroute diversion and return decisions: Analysis and implications for advanced traveler information systems. <i>Transportation Research, Part A: Policy and Practice</i> , 1993, 27, 101-111.	2.0	46
48	Non-crossing rail-trespassing crashes in the past decade: A spatial approach to analyzing injury severity. <i>Safety Science</i> , 2016, 82, 44-55.	2.6	45
49	Gate-violation behavior at highway-rail grade crossings and the consequences: Using geo-Spatial modeling integrated with path analysis. <i>Accident Analysis and Prevention</i> , 2017, 109, 99-112.	3.0	45
50	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
51	Household Travel Decision Chains: Residential Environment, Automobile Ownership, Trips and Mode Choice. <i>International Journal of Sustainable Transportation</i> , 2012, 6, 88-110.	2.1	43
52	Development of Safety Performance Functions: Incorporating Unobserved Heterogeneity and Functional Form Analysis. <i>Transportation Research Record</i> , 2018, 2672, 9-20.	1.0	42
53	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
54	Traveler Response to Innovative Personalized Demand-Responsive Transit in the San Francisco Bay Area. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2004, 130, 42-55.	0.8	40

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55	Does urban form matter in solo and joint activity engagement?. Landscape and Urban Planning, 2009, 92, 199-209.	3.4	40
56	Customizing driving cycles to support vehicle purchase and use decisions: Fuel economy estimation for alternative fuel vehicle users. Transportation Research Part C: Emerging Technologies, 2016, 67, 280-298.	3.9	40
57	Safety critical event prediction through unified analysis of driver and vehicle volatilities: Application of deep learning methods. Accident Analysis and Prevention, 2021, 151, 105949.	3.0	40
58	Bicyclist injury severity in traffic crashes: A spatial approach for geo-referenced crash data to uncover non-stationary correlates. Journal of Safety Research, 2020, 73, 25-35.	1.7	40
59	Effect of traffic information on commuters' propensity to change route and departure time. Journal of Advanced Transportation, 1995, 29, 193-212.	0.9	39
60	DSRC-based rear-end collision warning system – An error-component safety distance model and field test. Transportation Research Part C: Emerging Technologies, 2019, 107, 92-104.	3.9	39
61	Effect of parking information on travelers' knowledge and behavior. Transportation, 1993, 20, 373-393.	2.1	37
62	Exploring microscopic driving volatility in naturalistic driving environment prior to involvement in safety critical events – Concept of event-based driving volatility. Accident Analysis and Prevention, 2019, 132, 105277.	3.0	37
63	Contributory fault and level of personal injury to drivers involved in head-on collisions: Application of copula-based bivariate ordinal models. Accident Analysis and Prevention, 2018, 110, 101-114.	3.0	36
64	Analysis of Cascading Incident Event Durations on Urban Freeways. Transportation Research Record, 2010, 2178, 30-39.	1.0	35
65	The role of alternative fuel vehicles: Using behavioral and sensor data to model hierarchies in travel. Transportation Research Part C: Emerging Technologies, 2015, 55, 379-392.	3.9	35
66	What can be Learned from Analyzing University Student Travel Demand?. Transportation Research Record, 2012, 2322, 129-137.	1.0	34
67	A combined traveler behavior and system performance model with advanced traveler information systems. Transportation Research, Part A: Policy and Practice, 1998, 32, 479-493.	2.0	33
68	Neighbourhood Types, Travel and Body Mass: A Study of New Urbanist and Suburban Neighbourhoods in the US. Urban Studies, 2008, 45, 963-988.	2.2	33
69	Modeling Revealed and Stated En-Route Travel Response to Advanced Traveler Information Systems. Transportation Research Record, 1996, 1537, 38-45.	1.0	32
70	Fuel consumption for various driving styles in conventional and hybrid electric vehicles: Integrating driving cycle predictions with fuel consumption optimization. International Journal of Sustainable Transportation, 2019, 13, 123-137.	2.1	32
71	Examining correlations between motorcyclist's conspicuity, apparel related factors and injury severity score: Evidence from new motorcycle crash causation study. Accident Analysis and Prevention, 2019, 131, 45-62.	3.0	32
72	Traveler Response to New Dynamic Information Sources: Analyzing Corridor and Areawide Behavioral Surveys. Transportation Research Record, 2002, 1803, 66-75.	1.0	30

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73	Spatial Analysis and Modeling of Traffic Incidents for Proactive Incident Management and Strategic Planning. <i>Transportation Research Record</i> , 2010, 2178, 128-137.	1.0	30
74	Route Change Decision Making by Hurricane Evacuees Facing Congestion. <i>Transportation Research Record</i> , 2010, 2196, 168-175.	1.0	30
75	A comparative study of rail-pedestrian trespassing crash injury severity between highway-rail grade crossings and non-crossings. <i>Accident Analysis and Prevention</i> , 2018, 117, 427-438.	3.0	30
76	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
77	Driving impairments and duration of distractions: Assessing crash risk by harnessing microscopic naturalistic driving data. <i>Accident Analysis and Prevention</i> , 2020, 146, 105733.	3.0	29
78	Automobiles, Trips, and Neighborhood Type. <i>Transportation Research Record</i> , 2007, 2010, 73-82.	1.0	28
79	What is the evidence concerning the gap between on-road and Environmental Protection Agency fuel economy ratings?. <i>Transport Policy</i> , 2017, 53, 146-160.	3.4	28
80	Does Travel Information Influence Commuter and Noncommuter Behavior?: Results from the San Francisco Bay Area TravInfo Project. <i>Transportation Research Record</i> , 1999, 1694, 48-58.	1.0	26
81	Traveler Information Delivery Mechanisms. <i>Transportation Research Record</i> , 2008, 2069, 77-84.	1.0	26
82	A comparative study of driving performance in metropolitan regions using large-scale vehicle trajectory data: Implications for sustainable cities. <i>International Journal of Sustainable Transportation</i> , 2017, 11, 170-185.	2.1	26
83	Are HOV/eco-lanes a sustainable option to reducing emissions in a medium-sized European city?. <i>Transportation Research, Part A: Policy and Practice</i> , 2014, 63, 93-106.	2.0	25
84	A spatial analysis of the ownership of alternative fuel and hybrid vehicles. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 77, 106-119.	3.2	25
85	Case-based reasoning: A planning tool for intelligent transportation systems. <i>Transportation Research Part C: Emerging Technologies</i> , 1996, 4, 267-288.	3.9	24
86	Comparative Analysis of Spatial Knowledge and En Route Diversion Behavior in Chicago and San Francisco: Implications for Advanced Traveler Information Systems. <i>Transportation Research Record</i> , 1998, 1621, 27-35.	1.0	24
87	Spatiotemporal Patterns of Primary and Secondary Incidents on Urban Freeways. <i>Transportation Research Record</i> , 2011, 2229, 19-27.	1.0	24
88	What Role Do Precrash Driver Actions Play in Work Zone Crashes?: Application of Hierarchical Models to Crash Data. <i>Transportation Research Record</i> , 2016, 2555, 1-11.	1.0	24
89	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
90	Applying Markov decision process to understand driving decisions using basic safety messages data. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 115, 102642.	3.9	24

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91	Method of Improving Pedestrian Safety Proactively with Geographic Information Systems: Example from a College Campus. <i>Transportation Research Record</i> , 2001, 1773, 97-107.	1.0	23
92	Household Excess Travel and Neighbourhood Characteristics. <i>Urban Studies</i> , 2011, 48, 1235-1253.	2.2	23
93	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
94	How big data serves for freight safety management at highway-rail grade crossings? A spatial approach fused with path analysis. <i>Neurocomputing</i> , 2016, 181, 38-52.	3.5	22
95	Long short-term memory and convolutional neural network for abnormal driving behaviour recognition. <i>IET Intelligent Transport Systems</i> , 2020, 14, 306-312.	1.7	22
96	Understanding how relationships between crash frequency and correlates vary for multilane rural highways: Estimating geographically and temporally weighted regression models. <i>Accident Analysis and Prevention</i> , 2021, 157, 106146.	3.0	22
97	Revisiting Hit-and-Run Crashes: A Geo-Spatial Modeling Method. <i>Transportation Research Record</i> , 2018, 2672, 81-92.	1.0	21
98	Integrating safety and mobility for pathfinding using big data generated by connected vehicles. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2020, 24, 404-420.	2.6	21
99	Diversion during unexpected congestion on toll roads: the role of traffic information displayed on dynamic message signs. <i>IET Intelligent Transport Systems</i> , 2012, 6, 97.	1.7	19
100	An integrated spatio-temporal approach to examine the consequences of driving under the influence (DUI) in crashes. <i>Accident Analysis and Prevention</i> , 2020, 146, 105742.	3.0	19
101	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
102	Examination of Fault, Unsafe Driving Acts, and Total Harm in Car-Truck Collisions. <i>Transportation Research Record</i> , 2003, 1830, 63-71.	1.0	18
103	Method for Priority-Ranking and Expanding Freeway Service Patrols. <i>Transportation Research Record</i> , 2004, 1867, 1-10.	1.0	18
104	Role of Dynamic Information in Supporting Changes in Travel Behavior. <i>Transportation Research Record</i> , 2009, 2138, 85-93.	1.0	18
105	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
106	Toward Sustainable Transport: Conventional and Disruptive Approaches in the U.S. Context. <i>International Journal of Sustainable Transportation</i> , 2010, 4, 14-40.	2.1	17
107	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
108	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

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109	The extent of reliability for vehicle-to-vehicle communication in safety critical applications: an experimental study. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2020, 24, 264-278.	2.6	16
110	Sequential Prediction for Large-Scale Traffic Incident Duration: Application and Comparison of Survival Models. <i>Transportation Research Record</i> , 2020, 2674, 79-93.	1.0	16
111	Applying deep neural networks for user intention identification. <i>Soft Computing</i> , 2021, 25, 2191-2220.	2.1	16
112	Active lane management and control using connected and automated vehicles in a mixed traffic environment. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 139, 103648.	3.9	16
113	Fine-grained highway autonomous vehicle lane-changing trajectory prediction based on a heuristic attention-aided encoder-decoder model. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 140, 103706.	3.9	16
114	Are Travel Times and Distances to Work Greater for Residents of Poor Urban Neighborhoods?. <i>Transportation Research Record</i> , 2000, 1718, 73-82.	1.0	15
115	Time Use Patterns, Lifestyles, and Sustainability of Nonwork Travel Behavior. <i>International Journal of Sustainable Transportation</i> , 2012, 6, 26-47.	2.1	15
116	Role of travel information in supporting travel decision adaption: exploring spatial patterns. <i>Transportmetrica A: Transport Science</i> , 2013, 9, 316-334.	1.3	15
117	Are gates at rail grade crossings always safe? Examining motorist gate-violation behaviors using path analysis. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2018, 55, 314-324.	1.8	15
118	Informed decision-making by integrating historical on-road driving performance data in high-resolution maps for connected and automated vehicles. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2020, 24, 11-23.	2.6	15
119	Why Will Some Individuals Pay for Travel Information When It Can Be Free? Analysis of a Bay Area Traveler Survey. <i>Transportation Research Record</i> , 2001, 1759, 9-18.	1.0	14
120	Empirical assessment of route choice impact on emissions over different road types, traffic demands, and driving scenarios. <i>International Journal of Sustainable Transportation</i> , 2016, 10, 271-283.	2.1	14
121	Exploring multiple eco-routing guidance strategies in a commuting corridor. <i>International Journal of Sustainable Transportation</i> , 2018, 12, 53-65.	2.1	14
122	Evacuee Route Choice Decisions in a Dynamic Hurricane Evacuation Context. <i>Transportation Research Record</i> , 2012, 2312, 141-149.	1.0	13
123	Modeling the time to the next primary and secondary incident: A semi-Markov stochastic process approach. <i>Transportation Research Part B: Methodological</i> , 2013, 58, 44-57.	2.8	13
124	Assessing the Importance of Vehicle Type for the Implementation of Eco-routing Systems. <i>Transportation Research Procedia</i> , 2014, 3, 800-809.	0.8	13
125	Investigating the relation between instantaneous driving decisions and safety critical events in naturalistic driving environment. <i>Accident Analysis and Prevention</i> , 2021, 156, 106086.	3.0	13
126	Drive or Walk?. <i>Transportation Research Record</i> , 2006, 1985, 154-161.	1.0	12

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127	Is Smart Growth Associated with Reductions in Carbon Dioxide Emissions?. Transportation Research Record, 2013, 2375, 62-70.	1.0	12
128	Demo: Real-time vehicle movement tracking on Android devices through Bluetooth communication with DSRC devices. , 2016, , .		12
129	Driver behavior at highway-rail grade crossings with passive traffic controls: A driving simulator study. Journal of Transportation Safety and Security, 2016, 8, 37-55.	1.1	12
130	Exploring the factors contribute to the injury severities of vulnerable roadway user involved crashes. International Journal of Injury Control and Safety Promotion, 2019, 26, 302-314.	1.0	12
131	Drive or Walk?: Utilitarian Trips Within a Neotraditional Neighborhood. Transportation Research Record, 2006, 1985, 154-161.	1.0	12
132	A planning methodology for intelligent urban transportation systems. Transportation Research Part C: Emerging Technologies, 1994, 2, 197-215.	3.9	11
133	Correlates of front-seat passengers' non-use of seatbelts at night. Accident Analysis and Prevention, 2019, 130, 30-37.	3.0	11
134	Automobile Ownership and Use in Neotraditional and Conventional Neighborhoods. , 0, .		11
135	A joint behavioral choice model for adoption of automated vehicle ride sourcing and carsharing technologies: Role of built environment & sustainable travel behaviors. Transportation Research Part C: Emerging Technologies, 2022, 136, 103557.	3.9	11
136	Effect of Traffic Reports on Commuters' Route and Departure Time Changes. , 1991, , .		10
137	Automobile Ownership and Use in Neotraditional and Conventional Neighborhoods. Transportation Research Record, 2005, 1902, 18-25.	1.0	10
138	Joint Analysis of Queuing Delays Associated With Secondary Incidents. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2015, 19, 192-204.	2.6	10
139	Do Larger Sample Sizes Increase the Reliability of Traffic Incident Duration Models? A Case Study of East Tennessee Incidents. Transportation Research Record, 2021, 2675, 265-280.	1.0	10
140	Driver Lane-Changing Behavior Prediction Based on Deep Learning. Journal of Advanced Transportation, 2021, 2021, 1-15.	0.9	10
141	Built environment, driving errors and violations, and crashes in naturalistic driving environment. Accident Analysis and Prevention, 2021, 157, 106158.	3.0	10
142	How effective are pedestrian crash prevention systems in improving pedestrian safety? Harnessing large-scale experimental data. Accident Analysis and Prevention, 2022, 171, 106669.	3.0	10
143	Intelligent Transportation Systems: What Do Publications and Patents Tell Us?. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2007, 11, 91-103.	2.6	9
144	Distribution Analysis of Freight Transportation with Gravity Model and Genetic Algorithm. Transportation Research Record, 2012, 2269, 1-10.	1.0	9

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145	Automatic Vehicle Location and Computer-Aided Dispatch Systems: Design and Application Considerations. <i>Journal of Public Transportation</i> , 1998, 2, 1-26.	0.3	9
146	The role of teamwork in a planning methodology for intelligent urban transportation systems. <i>Transportation Research Part C: Emerging Technologies</i> , 1994, 2, 217-229.	3.9	8
147	What Is the Effect of Commute Time on Employment?: Analysis of Spatial Patterns in New York Metropolitan Area. <i>Transportation Research Record</i> , 2001, 1780, 43-52.	1.0	8
148	Dynamic Message Sign Deployment and Diversion Behavior of Travelers on Central Florida Toll Roads. <i>Transportation Research Record</i> , 2009, 2129, 24-34.	1.0	8
149	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
150	The role of drivers' social interactions in their driving behavior: Empirical evidence and implications for car-following and traffic flow. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 80, 203-217.	1.8	8
151	Selection of Source and Use of Traffic Information in Emergency Situations. <i>Transportation Research Record</i> , 2011, 2234, 71-78.	1.0	7
152	Analysis of Large-Scale Incidents on Urban Freeways. <i>Transportation Research Record</i> , 2012, 2278, 74-84.	1.0	7
153	Quantifying Key Errors in Household Travel Surveys. <i>Transportation Research Record</i> , 2013, 2354, 9-18.	1.0	7
154	Development of a traffic incident model involving multiple municipalities for inclusion in large microscopic evacuation simulations. <i>International Journal of Disaster Risk Reduction</i> , 2018, 31, 1223-1230.	1.8	7
155	Modeling the impact of traffic incidents during hurricane evacuations using a large scale microsimulation. <i>International Journal of Disaster Risk Reduction</i> , 2018, 31, 1159-1165.	1.8	7
156	Pathway analysis of relationships among community development, active travel behavior, body mass index, and self-rated health. <i>International Journal of Sustainable Transportation</i> , 2022, 16, 340-356.	2.1	7
157	Constructing spatiotemporal driving volatility profiles for connected and automated vehicles in existing highway networks. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2022, 26, 572-585.	2.6	7
158	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
159	From the past to the future: Modeling the temporal instability of safety performance functions. <i>Accident Analysis and Prevention</i> , 2022, 167, 106592.	3.0	7
160	New fuel consumption model considering vehicular speed, acceleration, and jerk. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2023, 27, 174-186.	2.6	7
161	Advanced Traveler Information Systems. <i>Transportation Research, Economics and Policy</i> , 2004, , 217-240.	0.3	6
162	Transferring Telephone-Based National Household Travel Survey to the Internet. <i>Transportation Research Record</i> , 2012, 2285, 91-99.	1.0	6

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163	Poster: Investigating Doppler Effects on Vehicle-to-Vehicle Communication. , 2017, , .		6
164	Cooperative CAVs optimal trajectory planning for collision avoidance and merging in the weaving section. <i>Transportmetrica B</i> , 2021, 9, 219-236.	1.4	6
165	PLANâ„HOV: Case-Based Reasoning Planning Tool for High-Occupancy Vehicle Lane Analysis in a Geographic Information System Environment. <i>Transportation Research Record</i> , 1999, 1682, 18-27.	1.0	6
166	A Taxonomy for Advanced Public Transportation Systems. <i>Journal of Public Transportation</i> , 1996, 1, 39-64.	0.3	6
167	CONCEPT OF AN ADVANCED TRAVELER INFORMATION SYSTEM TESTBED FOR THE BAY AREA: RESEARCH ISSUES. <i>I V H S Journal</i> , 1994, 2, 45-71.	0.2	5
168	Economic Impact of Traffic Incidents on Businesses. <i>Transportation Research Record</i> , 2008, 2067, 93-100.	1.0	5
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