

Shashi S. Nambisan

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

853
citations

567144

15
h-index

552653

26
g-index

64
all docs

64
docs citations

64
times ranked

863
citing authors

#	ARTICLE	IF	CITATIONS
1	New methods to identify and rank high pedestrian crash zones: An illustration. <i>Accident Analysis and Prevention</i> , 2007, 39, 800-811.	3.0	117
2	Pedestrian injury severity in motor vehicle crashes: An integrated spatio-temporal modeling approach. <i>Accident Analysis and Prevention</i> , 2019, 132, 105272.	3.0	64
3	What are the differences in driver injury outcomes at highway-rail grade crossings? Untangling the role of pre-crash behaviors. <i>Accident Analysis and Prevention</i> , 2015, 85, 157-169.	3.0	59
4	Modeling Route Choice of Utilitarian Bikeshare Users with GPS Data. <i>Transportation Research Record</i> , 2016, 2587, 141-149.	1.0	39
5	Is seat belt usage by front seat passengers related to seat belt usage by their drivers?. <i>Journal of Safety Research</i> , 2007, 38, 545-555.	1.7	35
6	Assessment of the effects of highway geometric design features on the frequency of truck involved crashes using bivariate regression. <i>Transportation Research, Part A: Policy and Practice</i> , 2015, 75, 30-41.	2.0	35
7	Estimating Factors Contributing to Frequency and Severity of Large Truck-Involved Crashes. <i>Journal of Transportation Engineering Part A: Systems</i> , 2017, 143, .	0.8	35
8	Effectiveness of Media and Enforcement Campaigns in Increasing Seat Belt Usage Rates in a State with a Secondary Seat Belt Law. <i>Traffic Injury Prevention</i> , 2009, 10, 330-339.	0.6	27
9	Determining Vehicle Operating Speed and Lateral Position Along Horizontal Curves Using Linear Mixed-Effects Models. <i>Traffic Injury Prevention</i> , 2013, 14, 309-321.	0.6	25
10	Evaluating Effectiveness of Infrastructure-Based Countermeasures for Pedestrian Safety. <i>Transportation Research Record</i> , 2012, 2299, 100-109.	1.0	23
11	Relationships between personality facets and accident involvement among truck drivers. <i>Journal of Research in Personality</i> , 2020, 84, 103889.	0.9	23
12	Analyzing injury crashes using random-parameter bivariate regression models. <i>Transportmetrica A: Transport Science</i> , 2016, 12, 794-810.	1.3	21
13	Potential safety benefits of lane departure prevention technology. <i>IATSS Research</i> , 2019, 43, 21-26.	1.8	21
14	Analyses of Vehicle Trajectories and Speed Profiles Along Horizontal Curves. <i>Journal of Transportation Safety and Security</i> , 2013, 5, 187-207.	1.1	18
15	Effectiveness of Signal-Based Countermeasures for Pedestrian Safety: Findings from Pilot Study. <i>Transportation Research Record</i> , 2011, 2264, 44-53.	1.0	17
16	An innovative approach for traffic crash estimation and prediction on accommodating unobserved heterogeneities. <i>Transportation Research Part B: Methodological</i> , 2018, 118, 407-428.	2.8	17
17	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
18	Effectiveness of Automatic Pedestrian Detection Device and Smart Lighting for Pedestrian Safety. <i>Transportation Research Record</i> , 2009, 2140, 27-34.	1.0	15

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19	Are young Americans carless across the United States? A spatial analysis. <i>Transportation Research, Part D: Transport and Environment</i> , 2020, 78, 102197.	3.2	15
20	Methodology for Evaluating the Safety of Midblock Pedestrian Crossings. <i>Transportation Research Record</i> , 2003, 1828, 75-82.	1.0	13
21	Do Pedestrian Countdown Signals Influence Vehicle Speeds?. <i>Transportation Research Record</i> , 2010, 2149, 70-76.	1.0	13
22	Severity of emergency natural gas distribution pipeline incidents: Application of an integrated spatio-temporal approach fused with text mining. <i>Journal of Loss Prevention in the Process Industries</i> , 2021, 69, 104383.	1.7	13
23	Age and gender differences in conviction and crash occurrence subsequent to being directed to Iowa's driver improvement program. <i>Journal of Safety Research</i> , 2011, 42, 359-365.	1.7	12
24	Exploratory analysis of recent trends in school travel mode choices in the U.S.. <i>Transportation Research Interdisciplinary Perspectives</i> , 2020, 6, 100146.	1.6	12
25	Evaluation of Accessibility of Urban Transportation Networks. <i>Transportation Research Record</i> , 1998, 1617, 78-83.	1.0	11
26	Correlates of front-seat passengers' non-use of seatbelts at night. <i>Accident Analysis and Prevention</i> , 2019, 130, 30-37.	3.0	11
27	Measuring Horizontal Curve Vehicle Trajectories and Speed Profiles: Pneumatic Road Tube and Video Methods. <i>Journal of Transportation Engineering</i> , 2013, 139, 255-265.	0.9	10
28	Analyzing the effectiveness of implemented highway safety laws for traffic safety across U.S. states. <i>Transportmetrica A: Transport Science</i> , 2017, 13, 91-107.	1.3	10
29	Seatbelt laws and seatbelt use among front- and rear-seat vehicle occupants in fatal crashes in the United States. <i>Case Studies on Transport Policy</i> , 2020, 8, 1030-1037.	1.1	9
30	Effects of Roadway Geometric Design Features on Frequency of Truck-Related Crashes. <i>Transportation Research Record</i> , 2016, 2585, 59-66.	1.0	8
31	Do NHTSA vehicle safety ratings affect side impact crash outcomes?. <i>Journal of Safety Research</i> , 2020, 73, 1-7.	1.7	8
32	A Decision-Support Tool for Airline Yield Management Using Genetic Algorithms. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2003, 18, 214-223.	6.3	7
33	Exploring the effects of state highway safety laws and sociocultural characteristics on fatal crashes. <i>Traffic Injury Prevention</i> , 2017, 18, 299-305.	0.6	7
34	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
35	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
36	GIS for Radioactive Materials Transportation. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 1994, 9, 294-304.	6.3	6

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37	Estimating time dependent O-D trip tables during peak periods. Journal of Advanced Transportation, 2000, 34, 369-389.	0.9	6
38	Using Genetic Algorithms to Evaluate Aircraft Ground Holding Policy under Static Conditions. Journal of Transportation Engineering, 2001, 127, 433-441.	0.9	6
39	Methods to Prioritize Pedestrian High-Crash Locations and Statistical Analysis of Their Relationships. Transportation Research Record, 2007, 2002, 39-54.	1.0	6
40	Airline Safety Posture: Evidence from Serviceâ€­Difficulty Reports. Journal of Transportation Engineering, 1993, 119, 655-664.	0.9	5
41	Simulating and Analyzing Incidents Using CORSIM and VISSIM Traffic Simulation Software. , 2002, , 811.		5
42	Estimating Pedestrian Counts in Urban Areas for Transportation Planning and Safety Analyses. , 2006, , 257.		5
43	Motorist Actions at a Crosswalk With an In-Pavement Flashing Light System. Traffic Injury Prevention, 2010, 11, 642-649.	0.6	5
44	Impacts of Energy Regulations and Vehicular Technologies on Fuel Tax Revenues. Journal of Infrastructure Systems, 2014, 20, .	1.0	5
45	A Model to Estimate Passenger Vehicle Fleet Composition, Vehicle Miles Traveled, and Fuel Consumption. Public Works Management Policy, 2013, 18, 56-81.	0.7	4
46	Pilot Initiative in Iowa for an Intern Development and Management Program. Transportation Research Record, 2014, 2414, 35-44.	1.0	4
47	A Team Oriented, Case Based Approach For A Transportation Engineering Course. , 0, , .		4
48	Integrated Systems Methodology for Pedestrian Traffic Flow Analysis. Transportation Research Record, 1997, 1578, 30-37.	1.0	3
49	Implications of Bioeconomy-Based Fuel Production for Transportation Infrastructure in Iowa. Transportation Research Record, 2010, 2191, 84-89.	1.0	2
50	Transportation Education Development Pilot Program at University of Vermont Transportation Research Center. Transportation Research Record, 2014, 2414, 63-68.	1.0	2
51	Estimating Time-Dependent Origin-Destination Trip Tables with Trips Originating in Multiple Time Slices. Transportation Research Record, 2001, 1752, 133-139.	1.0	1
52	Using Genetic Algorithms to Evaluate Aircraft Ground Holding Policy in Real Time. Journal of Transportation Engineering, 2001, 127, 442-448.	0.9	1
53	Estimating Reliability and Extent for the Las Vegas Area Congestion Management Systems. , 2004, , 23.		1
54	Evaluating the Effectiveness of "Turning Traffic Must Yield to Pedestrians (R 10-15)" Sign. , 2006, , 400.		1

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55	Prototype Internet Applications for Transportation System Management. Transportation Research Record, 1999, 1660, 122-131.	1.0	1
56	A Preliminary Survey of Ground Service Equipment Running Times and Its Implications for Air Quality Estimates at Airports. , 2000, , 144.		0
57	Evaluation of the Default Parameters of CORSIM and VISSIM Traffic Simulation Software on Basic Freeway Segments Using Field Data. , 2002, , 803.		0
58	Field Data Collection and Analyses to Support the Selection of Pedestrian Safety Countermeasures in Las Vegas. , 2004, , 104.		0
59	Work Order Management System Using GIS. , 2005, , 1.		0
60	Identification and Ranking of High Pedestrian Crash Zones Using GIS. , 2005, , 1.		0
61	Development of Spatial Data Tools to Manage Transportation Networks. , 2006, , 828.		0
62	Fair Representation of Transportation Research Record Impacts. Transportation Research Record, 2015, 2480, 1-10.	1.0	0
63	Identification of High Pedestrian Crash Sites and Selection of Countermeasures for the Las Vegas Metropolitan Area. , 2004, , .		0
64	An Overview and Preliminary Assessment of a Summer Transportation Engineering Education Program (STEEP) for Ninth Graders. , 0, , .		0