

Timothy J Gates

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

699
citations

623574

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677027

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76
all docs

76
docs citations

76
times ranked

647
citing authors

#	ARTICLE	IF	CITATIONS
1	Dilemma Zone Driver Behavior as a Function of Vehicle Type, Time of Day, and Platooning. <i>Transportation Research Record</i> , 2010, 2149, 84-93.	1.0	43
2	Driver behavior during bicycle passing maneuvers in response to a Share the Road sign treatment. <i>Accident Analysis and Prevention</i> , 2014, 70, 92-99.	3.0	40
3	Effectiveness of Experimental Transverse-Bar Pavement Marking as Speed-Reduction Treatment on Freeway Curves. <i>Transportation Research Record</i> , 2008, 2056, 95-103.	1.0	38
4	Driver speed selection and crash risk: Insights from the naturalistic driving study. <i>Journal of Safety Research</i> , 2017, 63, 187-194.	1.7	38
5	Road Markings and Their Impact on Driver Behaviour and Road Safety: A Systematic Review of Current Findings. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-19.	0.9	37
6	Examination of factors affecting freeway incident clearance times: a comparison of the generalized F model and several alternative nested models. <i>Journal of Advanced Transportation</i> , 2014, 48, 471-485.	0.9	35
7	Factors Affecting Driver Yielding Compliance at Uncontrolled Midblock Crosswalks on Low-Speed Roadways. <i>Transportation Research Record</i> , 2017, 2661, 95-102.	1.0	26
8	Driver decision-making in the dilemma zone – Examining the influences of clearance intervals, enforcement cameras and the provision of advance warning through a panel data random parameters probit model. <i>Accident Analysis and Prevention</i> , 2016, 96, 351-360.	3.0	25
9	Assessing characteristics related to the use of seatbelts and cell phones by drivers: Application of a bivariate probit model. <i>Journal of Safety Research</i> , 2014, 49, 137.e1-142.	1.7	21
10	Spatial Analysis of Child Pedestrian and Bicycle Crashes. <i>Transportation Research Record</i> , 2014, 2465, 57-63.	1.0	19
11	Effects of Public Rest Areas on Fatigue-Related Crashes. <i>Transportation Research Record</i> , 2013, 2386, 16-25.	1.0	18
12	Field Evaluations of Warning and Regulatory Signs with Enhanced Conspicuity Properties. <i>Transportation Research Record</i> , 2004, 1862, 64-76.	1.0	17
13	Comparison of Portable Speed Measurement Devices. <i>Transportation Research Record</i> , 2004, 1870, 139-146.	1.0	16
14	Comprehensive Evaluation of Driver Behavior to Establish Parameters for Timing of Yellow Change and Red Clearance Intervals. <i>Transportation Research Record</i> , 2012, 2298, 9-21.	1.0	15
15	Lateral Placement of Motor Vehicles When Passing Bicyclists. <i>Transportation Research Record</i> , 2012, 2314, 14-21.	1.0	15
16	Guidelines for Timing Yellow and Red Intervals at Signalized Intersections. <i>Transportation Research Record</i> , 2012, 2298, 1-8.	1.0	13
17	Longitudinal Analysis of Rural Interstate Fatalities in Relation to Speed Limit Policies. <i>Transportation Research Record</i> , 2015, 2514, 21-31.	1.0	13
18	Safety Performance Functions for Rural Two-Lane County Road Segments. <i>Transportation Research Record</i> , 2018, 2672, 226-237.	1.0	13

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19	Comparison of Support Vector and Non-Linear Regression Models for Estimating Large-Scale Vehicular Emissions, Incorporating Network-Wide Fundamental Diagram for Heterogeneous Vehicles. Transportation Research Record, 2020, 2674, 70-84.	1.0	13
20	Using spatial interpolation to determine impacts of annual snowfall on traffic crashes for limited access freeway segments. Accident Analysis and Prevention, 2018, 121, 202-212.	3.0	12
21	Effects of Dynamically Activated Emergency Vehicle Warning Sign on Driver Behavior at Urban Intersections. Transportation Research Record, 2010, 2149, 77-83.	1.0	11
22	Economic Assessment of Public Rest Areas and Traveler Information Centers on Limited-Access Freeways. Transportation Research Record, 2013, 2346, 63-71.	1.0	10
23	Vehicle Speed Characteristics in States with Uniform and Differential Speed Limit Policies. Transportation Research Record, 2015, 2492, 1-9.	1.0	10
24	Safety Performance Functions for Low-Volume Rural Stop-Controlled Intersections. Transportation Research Record, 2019, 2673, 660-669.	1.0	10
25	Use of Both Centerline and Shoulder Rumble Strips on High-Speed Two-Lane Rural Roadways: Impact on Lateral Lane Position and Passing Maneuvers of Vehicles. Transportation Research Record, 2012, 2301, 36-45.	1.0	9
26	Evaluation of Alternative Messages and Sign Locations on Driver Response to a Dynamic Speed Feedback Sign on a Freeway Interchange Ramp. Transportation Research Record, 2020, 2674, 530-541.	1.0	9
27	Examining Statewide Public Perceptions of Roundabouts through a Web-Based Survey. Transportation Research Record, 2012, 2312, 25-33.	1.0	8
28	Empirical Models of Demand Levels and Turn-In Rates at Roadside Rest Areas. Transportation Research Record, 2014, 2430, 200-206.	1.0	8
29	Development of Crash Modification Factors for Installation of High-Tension Cable Median Barriers. Transportation Research Record, 2016, 2588, 116-125.	1.0	8
30	Association between Driveway Land Use and Safety Performance on Rural Highways. Transportation Research Record, 2021, 2675, 114-124.	1.0	8
31	Automated Vehicles Sharing the Road: Surveying Detection and Localization of Pedalcyclists. IEEE Transactions on Intelligent Vehicles, 2021, 6, 649-664.	9.4	8
32	Implementation of Targeted Pedestrian Traffic Enforcement Programs in an Urban Environment. Transportation Research Record, 2011, 2265, 137-145.	1.0	7
33	Safety Impacts of a Statewide Centerline Rumble Strip Installation Program. Transportation Research Record, 2015, 2515, 34-40.	1.0	7
34	Work Zone Safety Performance: Comparison of Alternative Traffic Control Strategies. Transportation Research Record, 2017, 2617, 87-93.	1.0	7
35	Factors Contributing to Deer-Related Vehicle Crashes on Rural Two-Lane Roadways in Michigan. Transportation Research Record, 2019, 2673, 214-224.	1.0	7
36	Considering Roadway Context in Setting Posted Speed Limits. Transportation Research Record, 2021, 2675, 590-602.	1.0	6

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37	Driver Response to a Dynamic Speed Feedback Sign on Freeway Exit Ramps Based on Sign Location, Interchange Type, and Time of Day. Transportation Research Record, 0, , 036119812110152.	1.0	6
38	Prediction of Driver Action at Signalized Intersections by Using a Nested Logit Model. Transportation Research Record, 2014, 2463, 10-15.	1.0	5
39	Disaggregate-Level Assessment of Changes to Michigan's Motorcycle Helmet Use Law. Transportation Research Record, 2014, 2468, 131-137.	1.0	5
40	A conceptual framework for dynamic extension of the red clearance interval as a countermeasure for red-light-running. Accident Analysis and Prevention, 2016, 96, 341-350.	3.0	5
41	Examination of factors associated with use rates after transition from a universal to partial motorcycle helmet use law. Traffic Injury Prevention, 2017, 18, 95-101.	0.6	5
42	Examining Correlation and Trends in Seatbelt Use among Occupants of the Same Vehicle using a Bivariate Probit Model. Transportation Research Record, 2021, 2675, 288-298.	1.0	5
43	Driver speed selection on high-speed two-lane highways: Comparing speed profiles between uniform and differential speed limits. Traffic Injury Prevention, 2017, 18, 521-527.	0.6	4
44	Evaluating the Impacts of Speed Limit Increases on Rural Two-Lane Highways Using Quantile Regression. Transportation Research Record, 2021, 2675, 740-753.	1.0	4
45	Does Displaying Safety Messages on Dynamic Message Signs have Measurable Impacts on Crash Risk?. Transportation Research Record, 2022, 2676, 516-528.	1.0	4
46	Analysis and Prediction of Human Mobility in the United States during the Early Stages of the COVID-19 Pandemic using Regularized Linear Models. Transportation Research Record, 2023, 2677, 380-395.	1.0	4
47	Safety Performance of Unsignalized Median U-Turn Intersections. Transportation Research Record, 2022, 2676, 451-466.	1.0	4
48	Post Hoc Quantile Test for One-Way Analysis of Variance Using a Double Bootstrap Method. Transportation Research Record, 2005, 1908, 19-25.	1.0	3
49	Evaluation of Pedestrian Safety Educational Program for Elementary and Middle School Children. Transportation Research Record, 2009, 2140, 120-127.	1.0	3
50	Estimating the Safety Effects of Intersection Sight Distance at Unsignalized Intersections. Transportation Research Record, 2016, 2588, 71-79.	1.0	3
51	Examining the Safety Performance and Injury Severity Characteristics of Rural County Roadways. Transportation Research Record, 2019, 2673, 405-415.	1.0	3
52	Behavioral Analysis of Drivers Following Winter Maintenance Trucks Enabled with Collision Avoidance System. Transportation Research Record, 2019, 2673, 394-404.	1.0	3
53	Presence of Additional Safety Belt Enforcement Increases Safety Belt Use by Drivers. Transportation Research Record, 2020, 2674, 93-99.	1.0	3
54	Safety and Cost-Effectiveness of Approach Guardrail for Bridges on Low-Volume Roads. Transportation Research Record, 2006, 1967, 46-57.	1.0	2

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55	Impact on Driver Behavior of Steady-Burn Warning Lights on Channelizing Drums in Work Zones. Transportation Research Record, 2011, 2258, 25-31.	1.0	2
56	Evaluating Traveler Preferences, Values, and Behaviors Associated with Public Rest Areas. Transportation Research Record, 2013, 2358, 49-56.	1.0	2
57	Economic Analysis of 65 mph Speed Limits on Rural Highways. Transportation Research Record, 2016, 2597, 60-66.	1.0	2
58	Raising Speed Limits on Rural Highways: Process for Identification of Candidate Nonfreeway Segments. Transportation Research Record, 2017, 2618, 58-68.	1.0	2
59	Short-Term Evaluation of Transition from Differential to Uniform Speed Limit for Trucks and Buses on Two-Lane Highways. Transportation Research Record, 2017, 2637, 83-88.	1.0	2
60	Examining Driver Compliance with a Move-Over/Slow Down Law in Consideration of Vehicle Type and Messages Displayed on Upstream Dynamic Message Signs. Transportation Research Record, 2021, 2675, 92-102.	1.0	2
61	Safety Evaluation of Freeway Exit Ramps with Advisory Speed Reductions. Transportation Research Record, 2023, 2677, 503-512.	1.0	2
62	Evaluating the Impacts of Freeway Speed Limit Increases on Various Speed Measures: Comparisons Between Spot-Speed, Permanent Traffic Recorder, and Probe Vehicle Data. Transportation Research Record, 2023, 2677, 357-371.	1.0	2
63	Crash Modification Functions for Rural Skewed Intersections. Transportation Research Record, 2023, 2677, 1604-1617.	1.0	2
64	Assessing Safety Performance on Urban and Suburban Roadways of Lower Functional Classification: An Evaluation of Minor Arterial and Collector Roadway Segments. Transportation Research Record, 2023, 2677, 345-356.	1.0	2
65	Evaluation of Enforcement and Messaging Campaign Focused on Reducing Cell Phone-Related Distracted Driving. Transportation Research Record, 2023, 2677, 1741-1752.	1.0	2
66	Effect of Pedestrian Safety Retraining for Elementary and Middle School Students. Transportation Research Record, 2010, 2198, 145-151.	1.0	1
67	Economic Analysis of Freeway Speed Limit Policy Alternatives. Transportation Research Record, 2016, 2597, 108-115.	1.0	1
68	Comparisons in Cell Phone Use Rates between Talking and Manually Manipulating the Handheld Device. Transportation Research Record, 2020, 2674, 235-244.	1.0	1
69	Effectiveness of Green Warning Lights with Different Flashing Patterns for Winter Maintenance Operations. Transportation Research Record, 2021, 2675, 1505-1521.	1.0	1
70	Safety Performance of Rural Curved Corner Intersections with Regional Effects. Transportation Research Record, 2022, 2676, 580-592.	1.0	1
71	Safety Performance of Rural Offset-T Intersections. Transportation Research Record, 2021, 2675, 40-52.	1.0	1
72	Differences in Nighttime Luminance of Work Zone Drums with and without Steady-Burn Warning Lights. Transportation Research Record, 2011, 2258, 16-24.	1.0	0

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73	Exterior Roadside Noise Associated with Centerline Rumble Strips as a Function of Depth and Pavement Surface Type. Journal of Transportation Engineering, 2014, 140, 04013019.	0.9	0
74	Assessing Suitability of Nontraditional Development in Roadside Right-of-Way. Transportation Research Record, 2014, 2436, 95-106.	1.0	0
75	Development of Virtual Reality-Based Driving Simulator for Assessing Digital Speed Feedback Signs. , 2022, , .		0
76	Child Restraint Use and Seating Position of Child Passengers in Motor Vehicles and Their Correlations: Application of a Random-Effects Bivariate Probit Model. Transportation Research Record, 2022, 2676, 267-279.	1.0	0