

Peter T Savolainen

List of Publications by Year in descending order

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83
papers

2,555
citations

304602

22
h-index

197736

49
g-index

83
all docs

83
docs citations

83
times ranked

1862
citing authors

#	ARTICLE	IF	CITATIONS
1	The statistical analysis of highway crash-injury severities: A review and assessment of methodological alternatives. <i>Accident Analysis and Prevention</i> , 2011, 43, 1666-1676.	3.0	753
2	Probabilistic models of motorcyclists'™ injury severities in single- and multi-vehicle crashes. <i>Accident Analysis and Prevention</i> , 2007, 39, 955-963.	3.0	381
3	Mixed logit analysis of bicyclist injury severity resulting from motor vehicle crashes at intersection and non-intersection locations. <i>Accident Analysis and Prevention</i> , 2011, 43, 621-630.	3.0	201
4	Comparison of factors affecting injury severity in angle collisions by fault status using a random parameters bivariate ordered probit model. <i>Analytic Methods in Accident Research</i> , 2014, 2, 21-29.	4.7	141
5	Driver Injury Severity Resulting from Single-Vehicle Crashes along Horizontal Curves on Rural Two-Lane Highways. <i>Transportation Research Record</i> , 2009, 2102, 85-92.	1.0	73
6	Comparison of Severity of Motorcyclist Injury by Crash Types. <i>Transportation Research Record</i> , 2011, 2265, 70-80.	1.0	69
7	Effects of Horizontal Curvature on Single-Vehicle Motorcycle Crashes along Rural Two-Lane Highways. <i>Transportation Research Record</i> , 2010, 2194, 91-98.	1.0	66
8	Examination of factors determining fault in two-vehicle motorcycle crashes. <i>Accident Analysis and Prevention</i> , 2012, 45, 669-676.	3.0	60
9	A comparison of freeway median crash frequency, severity, and barrier strike outcomes by median barrier type. <i>Accident Analysis and Prevention</i> , 2018, 117, 216-224.	3.0	41
10	Effectiveness of Motorcycle Training and Motorcyclists' Risk-Taking Behavior. <i>Transportation Research Record</i> , 2007, 2031, 52-58.	1.0	40
11	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
12	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
13	Examination of factors affecting freeway incident clearance times: a comparison of the generalized <i>F</i> model and several alternative nested models. <i>Journal of Advanced Transportation</i> , 2014, 48, 471-485.	0.9	35
14	Examining vehicle operating speeds on rural two-lane curves using naturalistic driving data. <i>Accident Analysis and Prevention</i> , 2018, 118, 236-243.	3.0	34
15	Examination of Factors Affecting Driver Injury Severity in Michigan's Single-Vehicle "Deer Crashes. <i>Transportation Research Record</i> , 2008, 2078, 17-25.	1.0	33
16	Examining driver behavior at the onset of yellow in a traffic simulator environment: Comparisons between random parameters and latent class logit models. <i>Accident Analysis and Prevention</i> , 2016, 96, 300-307.	3.0	32
17	Optical bioassay for measuring sublethal toxicity of insecticides in <i>Daphnia pulex</i> . <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 144-151.	2.2	31
18	Crashes and near-crashes on horizontal curves along rural two-lane highways: Analysis of naturalistic driving data. <i>Journal of Safety Research</i> , 2017, 63, 163-169.	1.7	28

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19	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
20	A comparison of contributing factors between alcohol related single vehicle motorcycle and car crashes. <i>Journal of Safety Research</i> , 2014, 49, 129.e1-135.	1.7	25
21	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
22	Safety Impacts at Intersections on Curved Segments. <i>Transportation Research Record</i> , 2005, 1908, 130-140.	1.0	25
23	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
24	Spatial Analysis of Child Pedestrian and Bicycle Crashes. <i>Transportation Research Record</i> , 2014, 2465, 57-63.	1.0	19
25	Toxic effects of combined stressors on <i>Daphnia pulex</i> : Interactions between diazinon, 4-nonylphenol, and wastewater effluent. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1145-1153.	2.2	19
26	Effects of Public Rest Areas on Fatigue-Related Crashes. <i>Transportation Research Record</i> , 2013, 2386, 16-25.	1.0	18
27	Student Perspectives on the Flipped-Classroom Approach and Collaborative Problem-Solving Process. <i>Journal of Educational Computing Research</i> , 2018, 56, 513-537.	3.6	16
28	Lateral Placement of Motor Vehicles When Passing Bicyclists. <i>Transportation Research Record</i> , 2012, 2314, 14-21.	1.0	15
29	State-Level Comparison of Traffic Fatality Data in Consideration of Marijuana Laws. <i>Transportation Research Record</i> , 2017, 2660, 78-85.	1.0	14
30	Longitudinal Analysis of Rural Interstate Fatalities in Relation to Speed Limit Policies. <i>Transportation Research Record</i> , 2015, 2514, 21-31.	1.0	13
31	Safety Performance Functions for Rural Two-Lane County Road Segments. <i>Transportation Research Record</i> , 2018, 2672, 226-237.	1.0	13
32	Effects of Dynamically Activated Emergency Vehicle Warning Sign on Driver Behavior at Urban Intersections. <i>Transportation Research Record</i> , 2010, 2149, 77-83.	1.0	11
33	Investigation of Skew Angle and Other Factors Influencing Crash Frequency at High-Speed Rural Intersections. <i>Transportation Research Record</i> , 2017, 2636, 9-14.	1.0	11
34	Economic Assessment of Public Rest Areas and Traveler Information Centers on Limited-Access Freeways. <i>Transportation Research Record</i> , 2013, 2346, 63-71.	1.0	10
35	Vehicle Speed Characteristics in States with Uniform and Differential Speed Limit Policies. <i>Transportation Research Record</i> , 2015, 2492, 1-9.	1.0	10
36	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. <i>Transportation Research Record</i> , 2012, 2301, 36-45.	1.0	9

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37	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
38	Examining Statewide Public Perceptions of Roundabouts through a Web-Based Survey. Transportation Research Record, 2012, 2312, 25-33.	1.0	8
39	Development of Crash Modification Factors for Installation of High-Tension Cable Median Barriers. Transportation Research Record, 2016, 2588, 116-125.	1.0	8
40	Automated Vehicles Sharing the Road: Surveying Detection and Localization of Pedalcyclists. IEEE Transactions on Intelligent Vehicles, 2021, 6, 649-664.	9.4	8
41	Implementation of Targeted Pedestrian Traffic Enforcement Programs in an Urban Environment. Transportation Research Record, 2011, 2265, 137-145.	1.0	7
42	Safety Impacts of a Statewide Centerline Rumble Strip Installation Program. Transportation Research Record, 2015, 2515, 34-40.	1.0	7
43	Work Zone Safety Performance: Comparison of Alternative Traffic Control Strategies. Transportation Research Record, 2017, 2617, 87-93.	1.0	7
44	An Examination of the Safety of Signalized Intersections in Consideration of Nearby Access Points. Transportation Research Record, 2018, 2672, 11-21.	1.0	6
45	Safety Analysis of Interchange Functional Areas. Transportation Research Record, 2018, 2672, 120-130.	1.0	6
46	Contrasting Crash- and Non-Crash-Involved Riders: Analysis of Data from the Motorcycle Crash Causation Study. Transportation Research Record, 2019, 2673, 122-131.	1.0	6
47	Analysis of Rural Interstate Fatality Rates in Consideration of Recent Increases in Maximum Statutory Speed Limits. Transportation Research Record, 2019, 2673, 48-58.	1.0	6
48	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
49	Prediction of Driver Action at Signalized Intersections by Using a Nested Logit Model. Transportation Research Record, 2014, 2463, 10-15.	1.0	5
50	Disaggregate-Level Assessment of Changes to Michigan's Motorcycle Helmet Use Law. Transportation Research Record, 2014, 2468, 131-137.	1.0	5
51	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
52	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
53	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
54	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

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55	Does Displaying Safety Messages on Dynamic Message Signs have Measurable Impacts on Crash Risk?. Transportation Research Record, 2022, 2676, 516-528.	1.0	4
56	Differences in Near-Crash Risk by Types of Distraction: A Comparison of Trends between Freeways and Two-Lane Highways using Naturalistic Driving Data. Transportation Research Record, 2022, 2676, 407-417.	1.0	4
57	Safety Performance of Unsignalized Median U-Turn Intersections. Transportation Research Record, 2022, 2676, 451-466.	1.0	4
58	Evaluation of Pedestrian Safety Educational Program for Elementary and Middle School Children. Transportation Research Record, 2009, 2140, 120-127.	1.0	3
59	Examining Impacts of COVID-19-Related Stay-At-Home Orders through a Two-Way Random Effects Model. Transportation Research Record, 2023, 2677, 255-266.	1.0	3
60	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
61	Evaluating Traveler Preferences, Values, and Behaviors Associated with Public Rest Areas. Transportation Research Record, 2013, 2358, 49-56.	1.0	2
62	Economic Analysis of 65 mph Speed Limits on Rural Highways. Transportation Research Record, 2016, 2597, 60-66.	1.0	2
63	Raising Speed Limits on Rural Highways: Process for Identification of Candidate Nonfreeway Segments. Transportation Research Record, 2017, 2618, 58-68.	1.0	2
64	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
65	Access Separation at Interchanges: Examining Crash Rates on the Cross-Street and in the Transition Areas from Full to Partial Access Control. Transportation Research Record, 2018, 2672, 1-10.	1.0	2
66	Evaluation of Strategies to Mitigate Culvert-Involved Crashes. Transportation Research Record, 0, , 036119812199207.	1.0	2
67	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
68	Safety Evaluation of Freeway Exit Ramps with Advisory Speed Reductions. Transportation Research Record, 2023, 2677, 503-512.	1.0	2
69	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
70	Evaluation of Enforcement and Messaging Campaign Focused on Reducing Cell Phone-Related Distracted Driving. Transportation Research Record, 2023, 2677, 1741-1752.	1.0	2
71	Effect of Pedestrian Safety Retraining for Elementary and Middle School Students. Transportation Research Record, 2010, 2198, 145-151.	1.0	1
72	A comparison of contributing effects on 2-vehicle alcohol-related crashes between impaired and nonimpaired operators. Traffic Injury Prevention, 2016, 17, 668-675.	0.6	1

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73	Examining the safety impacts of narrow lane widths on urban/suburban arterials: Estimation of a panel data random parameters negative binomial model. Journal of Transportation Safety and Security, 0, , 1-16.	1.1	1
74	Economic Analysis of Freeway Speed Limit Policy Alternatives. Transportation Research Record, 2016, 2597, 108-115.	1.0	1
75	Motor Vehicle Crashes Involving Railroad Crossing Signal Masts and Guardrails. Transportation Research Record, 2019, 2673, 191-203.	1.0	1
76	Examining Safety on Two-Lane and Multilane Highways in Consideration of Access Spacing. Transportation Research Record, 2019, 2673, 388-397.	1.0	1
77	Comparisons in Cell Phone Use Rates between Talking and Manually Manipulating the Handheld Device. Transportation Research Record, 2020, 2674, 235-244.	1.0	1
78	Impact of Grain Size Characterization on the Froehlich Pier Scour Equation. , 2009, , .		0
79	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
80	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
81	Assessing Suitability of Nontraditional Development in Roadside Right-of-Way. Transportation Research Record, 2014, 2436, 95-106.	1.0	0
82	Speed Limits on Rural Highways. , 2021, , 622-631.		0
83	Development of Virtual Reality-Based Driving Simulator for Assessing Digital Speed Feedback Signs. , 2022, , .		0