

David S Hurwitz

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

744
citations

567281

15
h-index

610901

24
g-index

73
all docs

73
docs citations

73
times ranked

546
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of cut-in behavior based on naturalistic driving data. <i>Accident Analysis and Prevention</i> , 2019, 124, 127-137.	5.7	71
2	Fuzzy sets to describe driver behavior in the dilemma zone of high-speed signalized intersections. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2012, 15, 132-143.	3.7	66
3	3D virtual intersection sight distance analysis using lidar data. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 86, 563-579.	7.6	49
4	Calibration and evaluation of responsibility-sensitive safety (RSS) in automated vehicle performance during cut-in scenarios. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 125, 103037.	7.6	47
5	Evaluation of Driver Behavior in Type II Dilemma Zones at High-Speed Signalized Intersections. <i>Journal of Transportation Engineering</i> , 2011, 137, 277-286.	0.9	39
6	Bicyclistâ€™s perceived level of comfort in dense urban environments: How do ambient traffic, engineering treatments, and bicyclist characteristics relate?. <i>Sustainable Cities and Society</i> , 2018, 40, 101-109.	10.4	37
7	Safer driver responses at intersections with green signal countdown timers. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2017, 51, 1-13.	3.7	26
8	Policy processes and recommendations for Unmanned Aerial System operations near roadways based on visual attention of drivers. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 108, 207-222.	7.6	24
9	Backing collisions: a study of drivers' eye and backing behaviour using combined rear-view camera and sensor systems. <i>Injury Prevention</i> , 2010, 16, 79-84.	2.4	23
10	A simulator-based analysis of engineering treatments for right-hook bicycle crashes at signalized intersections. <i>Accident Analysis and Prevention</i> , 2017, 104, 46-57.	5.7	23
11	Bicyclistsâ€™ behavioral and physiological responses to varying roadway conditions and bicycle infrastructure. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 80, 172-188.	3.7	22
12	Fuzzy Logic for Improved Dilemma Zone Identification. <i>Transportation Research Record</i> , 2013, 2384, 25-34.	1.9	20
13	The role of driverâ€™s situational awareness on right-hook bicycle-motor vehicle crashes. <i>Safety Science</i> , 2018, 110, 92-101.	4.9	18
14	Assessment of Sign Retroreflectivity Compliance for Development of a Management Plan. <i>Transportation Research Record</i> , 2012, 2272, 103-112.	1.9	15
15	Nonparametric Modeling of Vehicle-Type-Specific Headway Distribution in Freeway Work Zones. <i>Journal of Transportation Engineering</i> , 2015, 141, .	0.9	15
16	Improved driver responses at intersections with red signal countdown timers. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 63, 207-221.	7.6	15
17	Evaluation of Driver Comprehension and Visual Attention of the Flashing Yellow Arrow Display for Permissive Right Turns. <i>Transportation Research Record</i> , 2019, 2673, 397-407.	1.9	15
18	Development of Knowledge Tables and Learning Outcomes for an Introductory Course in Transportation Engineering. <i>Transportation Research Record</i> , 2011, 2211, 27-35.	1.9	13

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19	The Impact of Commercial Parking Utilization on Cyclist Behavior in Urban Environments. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 74, 67-80.	3.7	12
20	Implications of Distracted Driving on Start-Up Lost Time for Dual Left-Turn Lanes. Journal of Transportation Engineering, 2013, 139, 923-930.	0.9	10
21	Assessment of Introductory Transportation Engineering Course and General Transportation Engineering Curriculum. Transportation Research Record, 2013, 2328, 9-15.	1.9	10
22	Improving teenage driver perceptions regarding the impact of distracted driving in the Pacific Northwest. Journal of Transportation Safety and Security, 2016, 8, 148-163.	1.6	10
23	Parametric modeling of the heteroscedastic traffic speed variance from loop detector data. Journal of Advanced Transportation, 2015, 49, 279-296.	1.7	9
24	Alternative Information Signs: Evaluation of Driver Comprehension and Visual Attention. Journal of Transportation Engineering, 2016, 142, 04015036.	0.9	9
25	Transportation Engineering Instructional Practices. Transportation Research Record, 2015, 2480, 45-54.	1.9	8
26	Factors impacting bicyclist lateral position and velocity in proximity to commercial vehicle loading zones: Application of a bicycling simulator. Accident Analysis and Prevention, 2019, 125, 29-39.	5.7	8
27	Traffic Signal System Misconceptions across three Cohorts. Transportation Research Record, 2014, 2414, 52-62.	1.9	6
28	Transportation Engineering Curriculum: Analytic Review of the Literature. Journal of Professional Issues in Engineering Education and Practice, 2016, 142, .	0.9	6
29	Response spectrum devices for active learning in earthquake engineering education. HardwareX, 2018, 4, e00032.	2.2	6
30	Online Survey of Driver Comprehension of the Flashing Yellow Arrow for Right-Turn Signal Indications. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	1.4	6
31	Differences between Professionals and Students in Their Visual Attention on Multiple Representation Types While Solving an Open-Ended Engineering Design Problem. Journal of Civil Engineering Education, 2021, 147, .	1.4	6
32	Evaluation of Right-of-Way Transitions at Signalized Intersections: Implications of Driver Behavior for Conflicting Through Movements. Transportation Research Record, 2017, 2624, 48-57.	1.9	5
33	Towards safer bicyclist responses to the presence of a truck near an urban loading zone: Analysis of bicyclist perceived level of comfort. Journal of Safety Research, 2019, 71, 181-190.	3.6	5
34	Mitigating roadside noise pollution: A comparison between rounded and sinusoidal milled rumble strips. Transportation Research, Part D: Transport and Environment, 2019, 77, 37-49.	6.8	5
35	Drivers' visual attention during the onset of the circular yellow indication at high-speed signalized intersections. Traffic Injury Prevention, 2020, 21, 259-264.	1.4	5
36	Evaluating In-Vehicle Sound and Vibration during Incursions on Sinusoidal Rumble Strips. Transportation Research Record, 2021, 2675, 154-166.	1.9	5

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37	Relating Transportation Systems Management and Operations Strategies to Policy Goals: A Framework for Quantitative Decision Making. EMJ - Engineering Management Journal, 2012, 24, 32-42.	2.3	4
38	Influence of Collaborative Curriculum Design on Educational Beliefs, Communities of Practitioners, and Classroom Practice in Transportation Engineering Education. Journal of Professional Issues in Engineering Education and Practice, 2014, 140, .	0.9	4
39	Three- or Four-Section Displays for Permissive Left Turns?. Transportation Research Record, 2014, 2463, 1-9.	1.9	4
40	Influence of bicyclist presence on driver performance during automated vehicle take-over requests. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 64, 495-508.	3.7	4
41	Permissive Left-Turn Behavior at the Flashing Yellow Arrow in the Presence of Pedestrians. , 2013, , .		4
42	A Nationwide Effort to Improve Transportation Engineering Education. , 0, , .		4
43	Red-light running violation during car following at high-speed signalized intersections. Transportation Engineering, 2022, 8, 100110.	4.2	4
44	Traffic Signal Phasing Problem-Solving Rationales of Professional Engineers Developed from Eye-Tracking and Clinical Interviews. Transportation Research Record, 2019, 2673, 685-696.	1.9	3
45	Evaluation of Red Clearance Extension designs with Hardware-in-the-Loop simulation. Transportation Letters, 2019, 11, 264-274.	3.1	3
46	Right-Hook Crash Scenario: Effects of Environmental Factors on Driver's Visual Attention and Crash Risk. Journal of Transportation Engineering Part A: Systems, 2020, 146, 04020026.	1.4	3
47	Driver Response to Phase Termination at Signalized Intersections at Signalized Intersections: Are Driving Simulator Results Valid?. , 2013, , .		3
48	Bicycling Simulator Calibration: Proposed Framework. Transportation Research Record, 2018, 2672, 11-18.	1.9	2
49	Influence of following vehicle's tailway and classification on subject driver's response to the circular yellow indication. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 77, 73-86.	3.7	2
50	Effects of Flashing Blue Lights Mounted on Paving Equipment on Vehicle Speed Behavior in Work Zones. Journal of Construction Engineering and Management - ASCE, 2021, 147, 04021101.	3.8	2
51	Developing design guidelines for commercial vehicle envelopes on urban streets. International Journal of Transport Development and Integration, 2019, 3, 132-143.	0.9	2
52	Evaluation of dynamic passive pedestrian detection. Transportation Research Interdisciplinary Perspectives, 2020, 8, 100268.	2.7	2
53	Automated Vehicle Failure: The First Pedestrian Fatality and Public Perception. Transportation Research Record, 2022, 2676, 198-208.	1.9	2
54	Exploring Bicyclists's Visual Attention during Conflicts with Truck Traffic. Transportation Research Record, 2022, 2676, 137-144.	1.9	2

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55	Holistic and Iterative Development and Dissemination of Conceptual Traffic Signal Questions. Journal of Professional Issues in Engineering Education and Practice, 2016, 142, 04016010.	0.9	1
56	Increasing Student Understanding of Response Spectra: An Argument for the Inductive Learning Approach. Earthquake Spectra, 2018, 34, 459-469.	3.1	1
57	Operational Impacts of Protected-Permitted Right-Turn Phasing and Pavement Markings on Bicyclist Performance during Conflicts with Right-Turning Vehicles. Transportation Research Record, 2019, 2673, 789-799.	1.9	1
58	Evaluation of low noise transverse rumble strips in proximity to a stop controlled intersection. Transportation Engineering, 2020, 2, 100032.	4.2	1
59	Development and Evaluation of Temporary Traffic Control Devices for Unmanned Aerial System Operations. Journal of Surveying Engineering, - ASCE, 2020, 146, .	1.7	1
60	Mental Models of Students and Practitioners in the Development of an Authentic Assessment Instrument for Traffic Signal Engineering. , 0, , .		1
61	Developing an Understanding of Civil Engineering Practitioner Problem-solving Rationale Using Multiple Contextual Representations. , 0, , .		1
62	Systemic Opportunities to Improve Older Pedestrian Safety: Merging Crash Data Analysis and a Stakeholder Workshop. Transportation Research Record, 2022, 2676, 351-360.	1.9	1
63	Developing an Adaptive Warning System for Backing Crashes in Different Types of Backing Scenarios. Journal of Transportation Safety and Security, 2011, 3, 38-58.	1.6	0
64	A survey on road noise prediction for milled shoulder rumble strip designs. International Journal of Vehicle Noise and Vibration, 2018, 14, 251.	0.1	0
65	Board 68: Problem-solving Rationales of Practicing Transportation and Hydraulic Engineers When Provided Multiple Contextual Representations. , 0, , .		0
66	Factors Contributing to the Problem-Solving Heuristics of Civil Engineering Students. , 0, , .		0
67	Promoting the Adoption of Innovative Teaching Practices by Transportation Engineering Faculty in a Workshop. , 0, , .		0
68	Traffic Signal System Misconceptions across Three Cohorts: Novice Students, Expert Students, and Practicing Engineers. , 0, , .		0
69	Celebrating 20 Years of the ExCEED Teaching Workshop. , 0, , .		0
70	A Model for Collaborative Curriculum Design in Transportation Engineering Education. , 0, , .		0