Kevin P Heaslip

List of Publications by Year
in descending order

64	1,300	471371 17	395590 33
papers	citations	h-index	g-index

65	65	65	1282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantification of Compound Flooding over Roadway Network during Extreme Events for Planning Emergency Operations. Natural Hazards Review, 2022, 23, .	0.8	6
2	The Impact of Potentially Realistic Fabricated Road Sign Messages on Route Change. IEEE Open Journal of Intelligent Transportation Systems, 2022, 3, 137-145.	2.6	1
3	Intelligent Transportation System Security: Impact-Oriented Risk Assessment of in-Vehicle Networks. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 91-104.	2.6	38
4	â€œSpeed Up to Hit the Workerâ€: Impact of hacked road signs on work zone safety. International Journal of Transportation Science and Technology, 2021, 10, 49-59.	2.0	6
5	Assessing the Impact of Automated and Connected Automated Vehicles on Virginia Freeways. Transportation Research Record, 2021, 2675, 870-884.	1.0	6
6	Driversâ€™ self-reported responses to a potentially realistic fabricated road sign message. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 78, 103-118.	1.8	3
7	Sequential Optimization of an Emergency Response Vehicleâ€™s Intra-Link Movement in a Partially Connected Vehicle Environment. Transportation Research Record, 2021, 2675, 413-423.	1.0	5
8	Semi-Supervised Deep Learning Approach for Transportation Mode Identification Using GPS Trajectory Data. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1010-1023.	4.0	78
9	Assisting Road Users Exposed to Nuisance Flooding. Journal of Transportation Engineering Part A: Systems, 2020, 146, 04020067.	0.8	1
10	A deep convolutional neural network based approach for vehicle classification using large-scale GPS trajectory data. Transportation Research Part C: Emerging Technologies, 2020, 116, 102644.	3.9	28
11	Choice of speed under compromised Dynamic Message Signs. PLoS ONE, 2020, 15, e0243567.	1.1	3
12	Probe People and Vehicle-Based Data Sources Application in Smart Transportation. Advances in Computational Intelligence and Robotics Book Series, 2020, , 162-195.	0.4	0
13	Decision Tree Approach to Predicting Vehicle Stopping from GPS Tracks in a National Park Scenic Corridor. Transportation Research Record, 2019, 2673, 86-96.	1.0	2
14	Evaluating National Park entrance station queues: A case study in Grand Teton National Park. Case Studies on Transport Policy, 2019, 7, 363-374.	1.1	0
15	Cycling usage and frequency determinants in college campuses. Cities, 2019, 90, 216-228.	2.7	25
16	Facilitating Emergency Response Vehiclesâ€™ Movement Through a Road Segment in a Connected Vehicle Environment. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3546-3557.	4.7	22
17	Developing a Twitter-based traffic event detection model using deep learning architectures. Expert Systems With Applications, 2019, 118, 425-439.	4.4	81
18	Analysis of In-Service Traffic Sign Visual Condition: Tree-Based Model for Mobile LiDAR and Digital Photolog Data. Journal of Transportation Engineering Part A: Systems, 2018, 144, 04018017.	0.8	3

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19	Prediction of traffic sign vandalism that obstructs critical messages to drivers. Transport, 2018, 33, 399-407.	0.6	5
20	Inferring transportation modes from GPS trajectories using a convolutional neural network. Transportation Research Part C: Emerging Technologies, 2018, 86, 360-371.	3.9	274
21	A Low-Cost Real-World Planning Strategy for Deploying a Dedicated Short-Range Communications Roadside Unit on a Highway Off-Ramp. Transportation Research Record, 2018, 2672, 124-134.	1.0	1
22	Analysis of Friendly Jamming for Secure Location Verification of Vehicles for Intelligent Highways. IEEE Transactions on Vehicular Technology, 2018, 67, 7437-7449.	3.9	9
23	A GPS-Based Classification of Visitorsâ€™ Vehicular Behavior in a Protected Area Setting. Journal of Park and Recreation Administration, 2018, 36, 69-89.	0.4	12
24	Improvement of the performance of animal crossing warning signs. Journal of Safety Research, 2017, 62, 1-12.	1.7	13
25	Analysis of the Electric Vehicles Adoption over the United States. Transportation Research Procedia, 2017, 22, 203-212.	0.8	56
26	Evaluation of Vehicle Parking Queueing in a National Park: Case Study of the Laurance S. Rockefeller Preserve in Grand Teton National Park. Transportation Research Record, 2017, 2654, 1-10.	1.0	3
27	Optimizing Departures of Automated Vehicles From Highways While Maintaining Mainline Capacity. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 3498-3511.	4.7	10
28	Compressed Natural Gas Vehicles: Financially Viable Option?. Transportation Research Record, 2016, 2572, 28-36.	1.0	8
29	Using stationary image based data collection method for evaluation of traffic sign condition. International Journal of Transportation Science and Technology, 2016, 5, 248-256.	2.0	3
30	Analysis of factors temporarily impacting traffic sign readability. International Journal of Transportation Science and Technology, 2016, 5, 60-67.	2.0	10
31	The effects of damage on sign visibility: An assist in traffic sign replacement. Journal of Traffic and Transportation Engineering (English Edition), 2016, 3, 571-581.	2.0	4
32	Traffic sign vandalism and demographics of local population: A case study in Utah. Journal of Traffic and Transportation Engineering (English Edition), 2016, 3, 192-202.	2.0	10
33	Acceleration of Double-Projection Method in Asymmetrically Formulated Traffic Assignment. Journal of Computing in Civil Engineering, 2016, 30, 04016025.	2.5	1
34	Evaluation of transportation network reliability during unexpected events with multiple uncertainties. International Journal of Disaster Risk Reduction, 2016, 17, 128-136.	1.8	38
35	Reliability based pre-positioning of recovery centers for resilient transportation infrastructure. International Journal of Disaster Risk Reduction, 2016, 19, 324-333.	1.8	35
36	Acceptability of increasing petrol price as a TDM pricing policy: A case study in Tehran. Transport Policy, 2016, 45, 136-144.	3.4	18

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37	Modeling Transportation Network Redundancy. Transportation Research Procedia, 2015, 9, 283-302.	0.8	24
38	Effect of Improving Vehicle Fuel Efficiency on Fuel Tax Revenue and Greenhouse Gas Emissions. Transportation Research Record, 2015, 2502, 71-79.	1.0	10
39	Investigating factors affecting electric vehicles adoption: an aggregated panel data analysis over U.S. states. World Electric Vehicle Journal, 2015, 7, 681-691.	1.6	4
40	Minimizing the Disruption of Traffic Flow of Automated Vehicles During Lane Changes. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1249-1258.	4.7	32
41	The effect of crowding on public transit user travel behavior in a large-scale public transportation system through modeling daily variations. Transportation Planning and Technology, 2015, 38, 935-953.	0.9	6
42	Estimation of road network reliability on resiliency: An uncertain based model. International Journal of Disaster Risk Reduction, 2015, 14, 536-544.	1.8	38
43	Can daytime digital imaging be used for traffic sign retroreflectivity compliance?. Measurement: Journal of the International Measurement Confederation, 2015, 75, 147-160.	2.5	17
44	Friendly Jamming for Secure Localization in Vehicular Transportation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 212-221.	0.2	4
45	Effective Modeling for a Distance-Based Fare Structure with a Time-Expanded Network. Journal of Public Transportation, 2015, 18, 1-13.	0.3	12
46	Determining Appropriate Fare Levels for Distance-Based Fare Structure. Transportation Research Record, 2014, 2415, 127-135.	1.0	7
47	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
48	CPS. , 2013, , .		39
49	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
50	Analysis of Sign Damage and Failure. Transportation Research Record, 2013, 2337, 83-89.	1.0	11
51	Evaluation of automated electric transportation deployment strategies: integrated against isolated. IET Intelligent Transport Systems, 2013, 7, 337-344.	1.7	2
52	Relating Transportation Systems Management and Operations Strategies to Policy Goals: A Framework for Quantitative Decision Making. EMJ - Engineering Management Journal, 2012, 24, 32-42.	1.4	4
53	Evaluation of Resiliency of Transportation Networks after Disasters. Transportation Research Record, 2012, 2284, 109-116.	1.0	64
54	Assessment of Sign Retroreflectivity Compliance for Development of a Management Plan. Transportation Research Record, 2012, 2272, 103-112.	1.0	15

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55	Estimation of arterial work zone capacity using simulation. Transportation Letters, 2011, 3, 123-134.	1.8	21
56	Development of Knowledge Tables and Learning Outcomes for an Introductory Course in Transportation Engineering. Transportation Research Record, 2011, 2211, 27-35.	1.0	13
57	Resiliency of Transportation Network of Santo Domingo, Dominican Republic. Transportation Research Record, 2011, 2234, 22-30.	1.0	47
58	Automated Electric Transportation: A Way to Meet Americaâ€™s Critical Issues. Leadership and Management in Engineering, 2011, 11, 23-28.	0.3	3
59	Closed-Course Test and Analysis of Vibration and Sound Generated by Temporary Rumble Strips for Short-Term Work Zones. Transportation Research Record, 2010, 2169, 21-30.	1.0	7
60	Simulation Models for Assessment of the Impacts of Strategies for Highway Work Zones. Transportation Research Record, 2010, 2169, 62-69.	1.0	11
61	Implementation of Road Safety Audit Recommendations. Transportation Research Record, 2010, 2182, 105-112.	1.0	4
62	A Closed-Course Feasibility Analysis of Temporary Rumble Strips for Use in Short-Term Work Zones. Journal of Transportation Safety and Security, 2010, 2, 299-311.	1.1	7
63	Estimation of Freeway Work Zone Capacity through Simulation and Field Data. Transportation Research Record, 2009, 2130, 16-24.	1.0	34
64	Intelligent Transportation System Security: Hacked Message Signs. SAE International Journal of Transportation Cybersecurity and Privacy, 0, 1, 75-90.	0.0	32