Joyoung Lee

List of Publications by Year
in descending order

24 papers	319 citations	932766 10 h-index	887659 17 g-index
24 all docs	24 docs citations	24 times ranked	315 citing authors

#	Article	IF	Citations
1	Optimal Control for Speed Harmonization of Automated Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2405-2417.	4.7	68
2	Influence of CAV clustering strategies on mixed traffic flow characteristics: An analysis of vehicle trajectory data. Transportation Research Part C: Emerging Technologies, 2020, 115, 102611.	3.9	49
3	A Distributed Intersection Management Protocol for Safety, Efficiency, and Driver's Comfort. IEEE Internet of Things Journal, 2018, 5, 1924-1935.	5.5	29
4	Smart Traffic Monitoring System Using Computer Vision and Edge Computing. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12027-12038.	4.7	27
5	Artificial Neural Network Model for Estimating Temporal and Spatial Freeway Work Zone Delay Using Probe-Vehicle Data. Transportation Research Record, 2016, 2573, 164-171.	1.0	21
6	The effectiveness of managed lane strategies for the near-term deployment of cooperative adaptive cruise control. Transportation Research, Part A: Policy and Practice, 2019, 129, 257-270.	2.0	16
7	Evaluation of Variable Speed Limit under Connected Vehicle environment. , 2013, , .		15
8	Low-Cost and Energy-Saving Wireless Sensor Network for Real-Time Urban Mobility Monitoring System. Journal of Sensors, 2015, 2015, 1-8.	0.6	13
9	Predicting Freeway Work Zone Delays and Costs with a Hybrid Machine-Learning Model. Journal of Advanced Transportation, 2017, 2017, 1-8.	0.9	13
10	Traffic Flow Characteristics and Lane Use Strategies for Connected and Automated Vehicles in Mixed Traffic Conditions. Journal of Advanced Transportation, 2021, 2021, 1-19.	0.9	13
11	Determination and Utilization of Dilemma Zone Length and Location for Safety Assessment of Rural High-Speed Signalized Intersections. Transportation Research Record, 2020, 2674, 272-280.	1.0	12
12	Short-Term Segment-Level Crash Risk Prediction Using Advanced Data Modeling with Proactive and Reactive Crash Data. Applied Sciences (Switzerland), 2022, 12, 856.	1.3	11
13	Deployment and Field Evaluation of In-Vehicle Traffic Signal Advisory System (ITSAS). Information (Switzerland), 2017, 8, 72.	1.7	7
14	Calibrating Communication Simulator for Connected Vehicle Applications. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2016, 20, 55-65.	2.6	5
15	Analysis of the effects of visibility and warning devices on driver injury severity at highway-rail grade crossings considering temporal transferability of data. International Journal of Injury Control and Safety Promotion, 2020, 27, 243-252.	1.0	4
16	Human factor evaluation of in-vehicle signal assistance system. , 2017, , .		3
17	Multi-Thread Optimization for the Calibration of Microscopic Traffic Simulation Model. Transportation Research Record, 2018, 2672, 98-109.	1.0	3
18	Protected–permissive left turn phasing with flashing yellow arrow signal: study of red intervals for an effective phase transition. Canadian Journal of Civil Engineering, 2019, 46, 732-741.	0.7	3

#	Article	IF	Citations
19	Development and Evaluation of Cooperative Intersection Management Algorithm under Connected and Automated Vehicles Environment. Transportation Research Record, 2021, 2675, 94-104.	1.0	3
20	Shockwave-Based Automated Vehicle Longitudinal Control Algorithm for Nonrecurrent Congestion Mitigation. Journal of Advanced Transportation, 2017, 2017, 1-10.	0.9	1
21	Simulation Framework for Cooperative Adaptive Cruise Control with Empirical DSRC Module. , 2018, , .		1
22	Development and Evaluation of Traffic Count Sensor with Low-Cost Light-Detection and Ranging and Continuous Wavelet Transform: Initial Results. Transportation Research Record, 2019, 2673, 209-219.	1.0	1
23	Virtual Guide Dog: Next-generation pedestrian signal for the visually impaired. Advances in Mechanical Engineering, 2020, 12, 168781401988309.	0.8	1
24	Incident Duration Time Prediction Using Supervised Topic Modeling Method. Transportation Research Record, 2023, 2677, 418-430.	1.0	0