Sehyun Tak

List of Publications by Year
in descending order

36 papers	672 citations	759233 12 h-index	580821 25 g-index
36 all docs	36 docs citations	36 times ranked	889 citing authors

#	Article	IF	Citations
1	Application of transparent dye-sensitized solar cells to building integrated photovoltaic systems. Building and Environment, 2011, 46, 1899-1904.	6.9	221
2	Data-Driven Imputation Method for Traffic Data in Sectional Units of Road Links. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1762-1771.	8.0	88
3	Development of a Deceleration-Based Surrogate Safety Measure for Rear-End Collision Risk. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2435-2445.	8.0	52
4	Impact of Autonomous-Vehicle-Only Lanes in Mixed Traffic Conditions. Transportation Research Record, 2019, 2673, 430-439.	1.9	32
5	Real-Time Travel Time Prediction Using Multi-Level k-Nearest Neighbor Algorithm and Data Fusion Method. , 2014, , .		22
6	A Study on the Traffic Predictive Cruise Control Strategy With Downstream Traffic Information. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1932-1943.	8.0	22
7	Agent-based network transmission model using the properties of macroscopic fundamental diagram. Transportation Research Part C: Emerging Technologies, 2018, 93, 79-101.	7.6	22
8	Study on the framework of hybrid collision warning system using loop detectors and vehicle information. Transportation Research Part C: Emerging Technologies, 2016, 73, 202-218.	7.6	20
9	Real-Time Feed-Forward Neural Network-Based Forward Collision Warning System Under Cloud Communication Environment. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4390-4404.	8.0	17
10	Agent-based pedestrian cell transmission model for evacuation. Transportmetrica A: Transport Science, 2018, 14, 484-502.	2.0	16
11	A Comparison Analysis of Surrogate Safety Measures with Car-Following Perspectives for Advanced Driver Assistance System. Journal of Advanced Transportation, 2018, 2018, 1-14.	1.7	15
12	Distributed Model Predictive Approach for Large-Scale Road Network Perimeter Control. Transportation Research Record, 2019, 2673, 515-527.	1.9	13
13	Effect of the Changeable Organic Semi-Transparent Solar Cell Window on Building Energy Efficiency and User Comfort. Sustainability, 2017, 9, 950.	3.2	12
14	Investigating Transfer Flow between Urban Networks Based on a Macroscopic Fundamental Diagram. Transportation Research Record, 2018, 2672, 75-85.	1.9	12
15	Development of AI-Based Vehicle Detection and Tracking System for C-ITS Application. Journal of Advanced Transportation, 2021, 2021, 1-15.	1.7	12
16	Development of a Data‐Driven Framework for Real‐Time Travel Time Prediction. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 777-793.	9.8	9
17	Sectional Information-Based Collision Warning System Using Roadside Unit Aggregated Connected-Vehicle Information for a Cooperative Intelligent Transport System. Journal of Advanced Transportation, 2020, 2020, 1-12.	1.7	8
18	Travel time prediction for Origin-Destination pairs without route specification in urban network. , 2014, , .		7

#	ARTICLE	IF	CITATIONS
19	Real-Time Associative Memoryâ€"Based Rear-End Collision Warning System. Transportation Research Record, 2017, 2621, 1-9.	1.9	7
20	Identifying major accident scenarios in intersection and evaluation of collision warning system. , 2017, , .		7
21	Measuring health of highway network configuration against dynamic Origin-Destination demand network using weighted complex network analysis. PLoS ONE, 2018, 13, e0206538.	2.5	7
22	Trajectory Data Analysis on the Spatial and Temporal Influence of Pedestrian Flow on Path Planning Decision. Sustainability, 2020, 12, 10419.	3.2	7
23	Data-Driven Prediction Methodology of Originâ€"Destination Demand in Large Network for Real-Time Service. Transportation Research Record, 2016, 2567, 47-56.	1.9	6
24	Analysis of Relationship between Road Geometry and Automated Driving Safety for Automated Vehicle-Based Mobility Service. Sustainability, 2022, 14, 2336.	3.2	6
25	The Impact of Predictive Cruise Control on Traffic Flow and Energy Consumption. , 2013, , .		5
26	A Study of the Framework on Collision Risk Warning System Using Loop Detector and Vehicle Information. , 2014, , .		5
27	Comparison of Various Spacing Policies for Longitudinal Control of Automated Vehicles. Transportation Research Record, 2016, 2561, 34-44.	1.9	5
28	Development of Risk Predictive Collision Avoidance System and Its Impact on Traffic and Vehicular Safety. Transportation Research Record, 2019, 2673, 454-465.	1.9	5
29	The City-Wide Impacts of the Interactions between Shared Autonomous Vehicle-Based Mobility Services and the Public Transportation System. Sustainability, 2021, 13, 6725.	3.2	4
30	Safety Monitoring System of CAVs Considering the Trade-Off between Sampling Interval and Data Reliability. Sensors, 2022, 22, 3611.	3.8	3
31	A Study on the Introduction for Automated Vehicle-based Mobility Service Considering the Level Of Service of Road Infrastructure. The Journal of the Korea Institute of Intelligent Transport Systems, 2019, 18, 19-33.	0.3	2
32	Large-Scale Maintenance Optimization Problems for Civil Infrastructure Systems. , 2013, , 519-538.		1
33	Development of V2I2V Communication-based Collision Prevention Support Service Using Artificial Neural Network. The Journal of the Korea Institute of Intelligent Transport Systems, 2019, 18, 126-141.	0.3	1
34	Study on the Extraction Method of Sub-Network for Optimal Operation of Connected and Automated Vehicle-Based Mobility Service and Its Implication. Sustainability, 2022, 14, 3688.	3.2	1
35	DRIVERSâ€™ EYE GLANCE TRANSITIONS AND THE IMPLICATIONS ON THE MICROSCOPIC TRAFFIC AND ACCIDENT SIMULATION. , 2017, , .		0
36	COLLISION AVOIDANCE SYSTEM WITH UNI-DIRECTIONAL COMMUNICATION FOR MITIGATING THE ADVERSE EFFECTS ON FOLLOWING VEHICLES. WIT Transactions on the Built Environment, 2017, , .	0.0	0