Jianqing Wu

List of Publications by Year in descending order

43 papers	780 citations	471061 17 h-index	552369 26 g-index
43 all docs	43 docs citations	43 times ranked	375 citing authors

#	Article	IF	Citations
1	Automatic Background Filtering Method for Roadside LiDAR Data. Transportation Research Record, 2018, 2672, 106-114.	1.0	58
2	Automatic Vehicle Classification using Roadside LiDAR Data. Transportation Research Record, 2019, 2673, 153-164.	1.0	53
3	3-D Data Processing to Extract Vehicle Trajectories from Roadside LiDAR Data. Transportation Research Record, 2018, 2672, 14-22.	1.0	50
4	Automatic Lane Identification Using the Roadside LiDAR Sensors. IEEE Intelligent Transportation Systems Magazine, 2020, 12, 25-34.	2.6	50
5	LiDAR-Enhanced Connected Infrastructures Sensing and Broadcasting High-Resolution Traffic Information Serving Smart Cities. IEEE Access, 2019, 7, 79895-79907.	2.6	40
6	Trajectory tracking and prediction of pedestrian's crossing intention using roadside LiDAR. IET Intelligent Transport Systems, 2019, 13, 789-795.	1.7	37
7	Deer Crossing Road Detection With Roadside LiDAR Sensor. IEEE Access, 2019, 7, 65944-65954.	2.6	32
8	Distributed agent-based deep reinforcement learning for large scale traffic signal control. Knowledge-Based Systems, 2022, 241, 108304.	4.0	32
9	Raster-Based Background Filtering for Roadside LiDAR Data. IEEE Access, 2019, 7, 76779-76788.	2.6	29
10	Vehicle Detection under Adverse Weather from Roadside LiDAR Data. Sensors, 2020, 20, 3433.	2.1	29
11	Automatic Vehicle Detection With Roadside LiDAR Data Under Rainy and Snowy Conditions. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 197-209.	2.6	29
12	An Automatic Background Filtering Method for Detection of Road Users in Heavy Traffics Using Roadside 3-D LiDAR Sensors With Noises. IEEE Sensors Journal, 2020, 20, 6596-6604.	2.4	22
13	Points Registration for Roadside LiDAR Sensors. Transportation Research Record, 2019, 2673, 627-639.	1.0	21
14	An Energy Aware Offloading Scheme for Interdependent Applications in Software-Defined IoV With Fog Computing Architecture. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3813-3823.	4.7	21
15	Lane change identification and prediction with roadside LiDAR data. Optics and Laser Technology, 2020, 123, 105934.	2.2	19
16	Towards Attention-Based Convolutional Long Short-Term Memory for Travel Time Prediction of Bus Journeys. Sensors, 2020, 20, 3354.	2.1	19
17	An Edge Based Multi-Agent Auto Communication Method for Traffic Light Control. Sensors, 2020, 20, 4291.	2.1	18
18	Driver behavior analysis on rural 2-lane, 2-way highways using SHRP 2 NDS data. Traffic Injury Prevention, 2018, 19, 838-843.	0.6	17

#	Article	IF	Citations
19	Data Registration with Ground Points for Roadside LiDAR Sensors. Remote Sensing, 2019, 11, 1354.	1.8	17
20	Effect Analysis of Soil Type and Silt Content on Silt-Based Foamed Concrete with Different Density. Materials, 2020, 13, 3866.	1.3	16
21	Review on Millimeter-Wave Radar and Camera Fusion Technology. Sustainability, 2022, 14, 5114.	1.6	14
22	Augmented Multiple Vehiclesâ€™ Trajectories Extraction Under Occlusions With Roadside LiDAR Data. IEEE Sensors Journal, 2021, 21, 21921-21930.	2.4	13
23	Review of Intelligent Road Defects Detection Technology. Sustainability, 2022, 14, 6306.	1.6	13
24	An automatic lane identification method for the roadside light detection and ranging sensor. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2020, 24, 467-479.	2.6	12
25	A novel skateboarder-related near-crash identification method with roadside LiDAR data. Accident Analysis and Prevention, 2020, 137, 105438.	3.0	11
26	Experimental study on the pullout behavior of scrap tire strips and their application as soil reinforcement. Construction and Building Materials, 2020, 254, 119288.	3.2	11
27	Real-Time Queue Length Detection with Roadside LiDAR Data. Sensors, 2020, 20, 2342.	2.1	10
28	Automatic Ground Points Identification Method for Roadside LiDAR Data. Transportation Research Record, 2019, 2673, 140-152.	1.0	9
29	Data Fusion for MaaS: Opportunities and Challenges. , 2018, , .		8
30	Towards a General Prediction System for the Primary Delay in Urban Railways. , 2019, , .		7
31	An Analysis of Floating Geogrid-Reinforced Pile-Supported Embankments Containing Deep Softened Soil. Arabian Journal for Science and Engineering, 2021, 46, 10855-10868.	1.7	7
32	Road Surface Defects Detection Based on IMU Sensor. IEEE Sensors Journal, 2021, , 1-1.	2.4	7
33	A Variable Dimension-Based Method for Roadside LiDAR Background Filtering. IEEE Sensors Journal, 2022, 22, 832-841.	2.4	7
34	Dynamic Properties of Silt-Based Foamed Concrete as Filler in Subgrade. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	7
35	The Bounds of Improvements Toward Real-Time Forecast of Multi-Scenario Train Delays. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2445-2456.	4.7	6
36	Object Classification with Roadside LiDAR Data Using a Probabilistic Neural Network. Electronics (Switzerland), 2021, 10, 803.	1.8	6

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37	A Study on the Dependability of Software Defined Networks. , 2015, , .		5
38	A GTFS data acquisition and processing framework and its application to train delay prediction. International Journal of Transportation Science and Technology, 2023, 12, 201-216.	2.0	4
39	A data mapping method for roadside LiDAR sensors. , 2019, , .		3
40	Road Boundary-Enhanced Automatic Background Filtering for Roadside Lidar Sensors. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 60-72.	2.6	3
41	Determinants and Prediction of Injury Severities in Multi-Vehicle-Involved Crashes. International Journal of Environmental Research and Public Health, 2021, 18, 5271.	1.2	3
42	A Hybrid LSTM-CPS Approach for Long-Term Prediction of Train Delays in Multivariate Time Series. Future Transportation, 2021, 1, 765-776.	1.3	3
43	An automatic skateboarder detection method with roadside LiDAR data. Journal of Transportation Safety and Security, 2021, 13, 298-317.	1.1	2