# Jianqing Wu

## List of Publications by Citations

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|---|---|---|---|
| **41** papers | **391** citations | **11** h-index | **18** g-index |
| **43** ext. papers | **543** ext. citations | **3.3** avg, IF | **4.36** L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 41 | Automatic Background Filtering Method for Roadside LiDAR Data. *Transportation Research Record*, **2018**, 2672, 106-114 | 1.7 | 45 |
| 40 | Automatic Lane Identification Using the Roadside LiDAR Sensors. *IEEE Intelligent Transportation Systems Magazine*, **2020**, 12, 25-34 | 2.6 | 32 |
| 39 | 3-D Data Processing to Extract Vehicle Trajectories from Roadside LiDAR Data. *Transportation Research Record*, **2018**, 2672, 14-22 | 1.7 | 32 |
| 38 | Automatic Vehicle Classification using Roadside LiDAR Data. *Transportation Research Record*, **2019**, 2673, 153-164 | 1.7 | 31 |
| 37 | LiDAR-Enhanced Connected Infrastructures Sensing and Broadcasting High-Resolution Traffic Information Serving Smart Cities. *IEEE Access*, **2019**, 7, 79895-79907 | 3.5 | 27 |
| 36 | Trajectory tracking and prediction of pedestrian's crossing intention using roadside LiDAR. *IET Intelligent Transport Systems*, **2019**, 13, 789-795 | 2.4 | 25 |
| 35 | Deer Crossing Road Detection With Roadside LiDAR Sensor. *IEEE Access*, **2019**, 7, 65944-65954 | 3.5 | 19 |
| 34 | Raster-Based Background Filtering for Roadside LiDAR Data. *IEEE Access*, **2019**, 7, 76779-76788 | 3.5 | 17 |
| 33 | Points Registration for Roadside LiDAR Sensors. *Transportation Research Record*, **2019**, 2673, 627-639 | 1.7 | 16 |
| 32 | Driver behavior analysis on rural 2-lane, 2-way highways using SHRP 2 NDS data. *Traffic Injury Prevention*, **2018**, 19, 838-843 | 1.8 | 13 |
| 31 | Data Registration with Ground Points for Roadside LiDAR Sensors. *Remote Sensing*, **2019**, 11, 1354 | 5 | 12 |
| 30 | 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 | 4 | 11 |
| 29 | Towards Attention-Based Convolutional Long Short-Term Memory for Travel Time Prediction of Bus Journeys. *Sensors*, **2020**, 20, | 3.8 | 11 |
| 28 | Vehicle Detection under Adverse Weather from Roadside LiDAR Data. *Sensors*, **2020**, 20, | 3.8 | 9 |
| 27 | Effect Analysis of Soil Type and Silt Content on Silt-Based Foamed Concrete with Different Density. *Materials*, **2020**, 13, | 3.5 | 9 |
| 26 | Automatic Ground Points Identification Method for Roadside LiDAR Data. *Transportation Research Record*, **2019**, 2673, 140-152 | 1.7 | 8 |
| 25 | An Edge Based Multi-Agent Auto Communication Method for Traffic Light Control. *Sensors*, **2020**, 20, | 3.8 | 7 |

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| 24 | Automatic Vehicle Detection With Roadside LiDAR Data Under Rainy and Snowy Conditions. *IEEE Intelligent Transportation Systems Magazine*, **2021**, 13, 197-209 | 2.6 | 7 |
| 23 | 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 | 3.2 | 6 |
| 22 | Lane change identification and prediction with roadside LiDAR data. *Optics and Laser Technology*, **2020**, 123, 105934 | 4.2 | 6 |
| 21 | A Study on the Dependability of Software Defined Networks **2015**, | | 5 |
| 20 | 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 | 6.1 | 5 |
| 19 | Towards a General Prediction System for the Primary Delay in Urban Railways **2019**, | | 5 |
| 18 | A novel skateboarder-related near-crash identification method with roadside LiDAR data. *Accident Analysis and Prevention*, **2020**, 137, 105438 | 6.1 | 4 |
| 17 | Experimental study on the pullout behavior of scrap tire strips and their application as soil reinforcement. *Construction and Building Materials*, **2020**, 254, 119288 | 6.7 | 4 |
| 16 | Real-Time Queue Length Detection with Roadside LiDAR Data. *Sensors*, **2020**, 20, | 3.8 | 4 |
| 15 | Data Fusion for MaaS: Opportunities and Challenges **2018**, | | 3 |
| 14 | Distributed agent-based deep reinforcement learning for large scale traffic signal control. *Knowledge-Based Systems*, **2022**, 241, 108304 | 7.3 | 2 |
| 13 | Road Surface Defects Detection Based on IMU Sensor. *IEEE Sensors Journal*, **2021**, 1-1 | 4 | 2 |
| 12 | Object Classification with Roadside LiDAR Data Using a Probabilistic Neural Network. *Electronics (Switzerland)*, **2021**, 10, 803 | 2.6 | 2 |
| 11 | An Analysis of Floating Geogrid-Reinforced Pile-Supported Embankments Containing Deep Softened Soil. *Arabian Journal for Science and Engineering*, **2021**, 46, 10855 | 2.5 | 2 |
| 10 | A data mapping method for roadside LiDAR sensors **2019**, | | 2 |
| 9 | An automatic skateboarder detection method with roadside LiDAR data. *Journal of Transportation Safety and Security*, **2021**, 13, 298-317 | 1.7 | 2 |
| 8 | Review of Intelligent Road Defects Detection Technology. *Sustainability*, **2022**, 14, 6306 | 3.6 | 2 |
| 7 | A Variable Dimension-Based Method for Roadside LiDAR Background Filtering. *IEEE Sensors Journal* , **2022**, 22, 832-841 | 4 | 1 |

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| 6 | Road Boundary-Enhanced Automatic Background Filtering for Roadside LiDAR Sensors. *IEEE Intelligent Transportation Systems Magazine*, **2021**, 0-0 | 2.6 | 1 |
| 5 | Augmented Multiple VehiclesTrajectories Extraction Under Occlusions With Roadside LiDAR Data. *IEEE Sensors Journal*, **2021**, 1-1 | 4 | 1 |
| 4 | The Bounds of Improvements Toward Real-Time Forecast of Multi-Scenario Train Delays. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-12 | 6.1 | 1 |
| 3 | Determinants and Prediction of Injury Severities in Multi-Vehicle-Involved Crashes. *International Journal of Environmental Research and Public Health*, **2021**, 18, | 4.6 | 0 |
| 2 | A Hybrid LSTM-CPS Approach for Long-Term Prediction of Train Delays in Multivariate Time Series. *Future Transportation*, **2021**, 1, 765-776 | | 0 |
| 1 | Review on Millimeter-Wave Radar and Camera Fusion Technology. *Sustainability*, **2022**, 14, 5114 | 3.6 | 0 |