

Xu Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

527
citations

12
h-index

21
g-index

51
ext. papers

680
ext. citations

4.5
avg, IF

4.45
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 47 | A Roadside Decision-Making Methodology Based on Deep Reinforcement Learning to Simultaneously Improve the Safety and Efficiency of Merging Zone. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-12 | 6.1 | 1 |
| 46 | A Novel Visual Measurement Framework for Land Vehicle Positioning Based on Multimodule Cascaded Deep Neural Network. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 2347-2356 | 11.9 | 7 |
| 45 | Deep Inference Networks for Reliable Vehicle Lateral Position Estimation in Congested Urban Environments. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 8368-8383 | 8.7 | |
| 44 | Robust semantic segmentation based on RGB-thermal in variable lighting scenes. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 186, 110176 | 4.6 | 5 |
| 43 | Unstructured Road Segmentation Based on Road Boundary Enhancement Point-Cylinder Network Using LiDAR Sensor. <i>Remote Sensing</i> , 2021 , 13, 495 | 5 | 2 |
| 42 | Counterion-Dictated Self-Cleaning Behavior of Polycation Coating upon Water Action: Macroscopic Dissection of Hydration of Anions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14466-14472 | 16.4 | 8 |
| 41 | Counterion-Dictated Self-Cleaning Behavior of Polycation Coating upon Water Action: Macroscopic Dissection of Hydration of Anions. <i>Angewandte Chemie</i> , 2020 , 132, 14574-14580 | 3.6 | |
| 40 | Illustrating Interfacial Interaction between Honey Bee Venom Phospholipase A and Supported Negatively Charged Lipids with Sum Frequency Generation and Laser Scanning Confocal Microscopy. <i>Langmuir</i> , 2020 , 36, 2946-2953 | 4 | 3 |
| 39 | MME-YOLO: Multi-Sensor Multi-Level Enhanced YOLO for Robust Vehicle Detection in Traffic Surveillance. <i>Sensors</i> , 2020 , 21, | 3.8 | 6 |
| 38 | A novel vehicle lateral positioning methodology based on the integrated deep neural network. <i>Expert Systems With Applications</i> , 2020 , 142, 112991 | 7.8 | 2 |
| 37 | Adaptive speed control method for electromagnetic direct drive vehicle robot driver based on fuzzy logic. <i>Measurement and Control</i> , 2019 , 52, 1344-1353 | 1.5 | 6 |
| 36 | Driver-Behavior-Based Adaptive Steering Robust Nonlinear Control of Unmanned Driving Robotic Vehicle With Modeling Uncertainties and Disturbance Observer. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 8183-8190 | 6.8 | 12 |
| 35 | Tightly-Coupled Vehicle Positioning Method at Intersections Aided by UWB. <i>Sensors</i> , 2019 , 19, | 3.8 | 5 |
| 34 | Interfacial Irreversibly and Loosely Adsorbed Layers Abide by Different Evolution Dynamics. <i>ACS Macro Letters</i> , 2019 , 8, 1426-1431 | 6.6 | 11 |
| 33 | A Novel Heading Angle Estimation Methodology for Land Vehicles Based on Deep Learning and Enhanced Digital Map. <i>IEEE Access</i> , 2019 , 7, 138567-138578 | 3.5 | 1 |
| 32 | Enet-CRF-Lidar: Lidar and Camera Fusion for Multi-Scale Object Recognition. <i>IEEE Access</i> , 2019 , 7, 174335-174344 | 3.5 | 1 |
| 31 | Observing different dynamic behaviors of weakly and strongly adsorbed polystyrene chains at interfaces. <i>Soft Matter</i> , 2018 , 14, 2762-2766 | 3.6 | 6 |

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|----|---|-----|----|
| 30 | Enhancing Localization Accuracy of MEMS-INS/GPS/In-Vehicle Sensors Integration During GPS Outages. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2018 , 67, 1966-1978 | 5.2 | 67 |
| 29 | Interchain Overlap Affects Formation of Silk Fibroin Secondary Structures on Hydrophobic Polystyrene Surface Detected via Achiral/Chiral Sum Frequency Generation. <i>Langmuir</i> , 2018 , 34, 9453-9459 | 4.5 | 6 |
| 28 | Short-working-distance optical imaging system and method for surface detection of underwater structures. <i>Science China Technological Sciences</i> , 2018 , 61, 774-781 | 3.5 | 4 |
| 27 | Calcium Ions Affect Water Molecular Structures Surrounding an Oligonucleotide Duplex as Revealed by Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2018 , 34, 14774-14779 | 4 | 8 |
| 26 | Molecular Coupling between Organic Molecules and Metal. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 5167-5172 | 6.4 | 5 |
| 25 | Evolution of Irreversibly Adsorbed Layer Promotes Dewetting of Polystyrene Film on Sapphire. <i>Macromolecules</i> , 2018 , 51, 6653-6660 | 5.5 | 23 |
| 24 | Modeling the Special Intersection for Enhanced Digital Map 2018 , | | 1 |
| 23 | Sum Frequency Generation Vibrational Spectroscopy Using Evanescent Waves-Toward Probing Irregular and Complex Surfaces of Mesoscopic-Scale Materials. <i>Analytical Chemistry</i> , 2018 , 90, 14222-14229 | 7.8 | 6 |
| 22 | Self-Assembled Exopolysaccharide Nanoparticles for Bioremediation and Green Synthesis of Noble Metal Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22808-22818 | 9.5 | 62 |
| 21 | A Reliable Fusion Positioning Strategy for Land Vehicles in GPS-Denied Environments Based on Low-Cost Sensors. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 3205-3215 | 8.9 | 51 |
| 20 | A Tightly Coupled Positioning Solution for Land Vehicles in Urban Canyons. <i>Journal of Sensors</i> , 2017 , 2017, 1-11 | 2 | 7 |
| 19 | Distinct Molecular Structures of Edge and Middle Positions of Plasma Treated Covered Polymer Film Surfaces Relevant in the Microelectronics Industry. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017 , 7, 1377-1390 | 1.7 | 7 |
| 18 | A Cost-Effective Vehicle Localization Solution Using an Interacting Multiple Model-Unscented Kalman Filters (IMM-UKF) Algorithm and Grey Neural Network. <i>Sensors</i> , 2017 , 17, | 3.8 | 26 |
| 17 | A Reliable Hybrid Positioning Methodology for Land Vehicles Using Low-Cost Sensors. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 834-847 | 6.1 | 25 |
| 16 | A Reliable Fusion Methodology for Simultaneous Estimation of Vehicle Sideslip and Yaw Angles. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 4440-4458 | 6.8 | 42 |
| 15 | A Highly Reliable and Cost-Efficient Multi-Sensor System for Land Vehicle Positioning. <i>Sensors</i> , 2016 , 16, | 3.8 | 6 |
| 14 | A Novel Dynamic Measurement System for Evaluating the Braking Coordination of Articulated Vehicles. <i>Journal of Sensors</i> , 2016 , 2016, 1-10 | 2 | 1 |
| 13 | Sum Frequency Generation of Interfacial Lipid Monolayers Shows Polarization Dependence on Experimental Geometries. <i>Langmuir</i> , 2016 , 32, 7086-95 | 4 | 12 |

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|----|---|-----|----|
| 12 | RFID/ In-vehicle Sensors-Integrated Vehicle Positioning Strategy Utilising LSSVM and Federated UKF in a Tunnel. <i>Journal of Navigation</i> , 2016 , 69, 845-868 | 2.3 | 4 |
| 11 | A Hybrid Intelligent Multisensor Positioning Methodology for Reliable Vehicle Navigation. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-13 | 1.1 | 2 |
| 10 | Key Parameters Estimation and Adaptive Warning Strategy for Rear-End Collision of Vehicle. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-20 | 1.1 | 2 |
| 9 | Reliable vehicle sideslip angle fusion estimation using low-cost sensors. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 51, 241-258 | 4.6 | 29 |
| 8 | A hybrid positioning strategy for vehicles in a tunnel based on RFID and in-vehicle sensors. <i>Sensors</i> , 2014 , 14, 23095-118 | 3.8 | 21 |
| 7 | A reliable multisensor fusion strategy for land vehicle positioning using low-cost sensors. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2014 , 228, 1375-1397 | 1.4 | 13 |
| 6 | A highly-reliable combined positioning method for vehicle in urban complex environments 2013 , | | 1 |
| 5 | Surface-conducted field emission lamp with ZnO nanotetrapod and MgO composite emitter. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012 , 9, 70-73 | | |
| 4 | A robust lane boundaries detection algorithm based on gradient distribution features 2011 , | | 6 |
| 3 | Reliable integrated navigation system based on adaptive fuzzy federated Kalman filter for automated vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2010 , 224, 327-346 | 1.4 | 9 |
| 2 | The new measurement algorithm of the engine speed base on the basic frequency of vibration signal 2010 , | | 4 |
| 1 | An attitude updating algorithm using Picard iteration and higher degree polynomial. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 095441002098663 | 0.9 | |