

Xu Li

List of Publications by Year in descending order

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51
papers

821
citations

567247

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51
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times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing Localization Accuracy of MEMS-INS/GPS/In-Vehicle Sensors Integration During GPS Outages. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 1966-1978.	4.7	105
2	Self-Assembled Exopolysaccharide Nanoparticles for Bioremediation and Green Synthesis of Noble Metal Nanoparticles. ACS Applied Materials & Interfaces, 2017, 9, 22808-22818.	8.0	86
3	A Reliable Fusion Positioning Strategy for Land Vehicles in GPS-Denied Environments Based on Low-Cost Sensors. IEEE Transactions on Industrial Electronics, 2017, 64, 3205-3215.	7.9	72
4	A Reliable Fusion Methodology for Simultaneous Estimation of Vehicle Sideslip and Yaw Angles. IEEE Transactions on Vehicular Technology, 2016, 65, 4440-4458.	6.3	59
5	A Cost-Effective Vehicle Localization Solution Using an Interacting Multiple Model~Unscented Kalman Filters (IMM-UKF) Algorithm and Grey Neural Network. Sensors, 2017, 17, 1431.	3.8	38
6	Reliable vehicle sideslip angle fusion estimation using low-cost sensors. Measurement: Journal of the International Measurement Confederation, 2014, 51, 241-258.	5.0	36
7	A Reliable Hybrid Positioning Methodology for Land Vehicles Using Low-Cost Sensors. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 834-847.	8.0	35
8	Evolution of Irreversibly Adsorbed Layer Promotes Dewetting of Polystyrene Film on Sapphire. Macromolecules, 2018, 51, 6653-6660.	4.8	31
9	A Hybrid Positioning Strategy for Vehicles in a Tunnel Based on RFID and In-Vehicle Sensors. Sensors, 2014, 14, 23095-23118.	3.8	27
10	Driver-Behavior-Based Adaptive Steering Robust Nonlinear Control of Unmanned Driving Robotic Vehicle With Modeling Uncertainties and Disturbance Observer. IEEE Transactions on Vehicular Technology, 2019, 68, 8183-8190.	6.3	25
11	Robust semantic segmentation based on RGB-thermal in variable lighting scenes. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110176.	5.0	24
12	Counterion~Dictated Self~Cleaning Behavior of Polycation Coating upon Water Action: Macroscopic Dissection of Hydration of Anions. Angewandte Chemie - International Edition, 2020, 59, 14466-14472.	13.8	20
13	A reliable multisensor fusion strategy for land vehicle positioning using low-cost sensors. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2014, 228, 1375-1397.	1.9	18
14	Interfacial Irreversibly and Loosely Adsorbed Layers Abide by Different Evolution Dynamics. ACS Macro Letters, 2019, 8, 1426-1431.	4.8	17
15	A Novel Visual Measurement Framework for Land Vehicle Positioning Based on Multimodule Cascaded Deep Neural Network. IEEE Transactions on Industrial Informatics, 2021, 17, 2347-2356.	11.3	16
16	MME-YOLO: Multi-Sensor Multi-Level Enhanced YOLO for Robust Vehicle Detection in Traffic Surveillance. Sensors, 2021, 21, 27.	3.8	16
17	Sum Frequency Generation of Interfacial Lipid Monolayers Shows Polarization Dependence on Experimental Geometries. Langmuir, 2016, 32, 7086-7095.	3.5	15
18	Tightly-Coupled Vehicle Positioning Method at Intersections Aided by UWB. Sensors, 2019, 19, 2867.	3.8	12

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19	A robust lane boundaries detection algorithm based on gradient distribution features. , 2011, , .		11
20	Reliable integrated navigation system based on adaptive fuzzy federated Kalman filter for automated vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2010, 224, 327-346.	1.9	9
21	Observing different dynamic behaviors of weakly and strongly adsorbed polystyrene chains at interfaces. Soft Matter, 2018, 14, 2762-2766.	2.7	9
22	Sum Frequency Generation Vibrational Spectroscopy Using Evanescent Wavesâ€”Toward Probing Irregular and Complex Surfaces of Mesoscopic-Scale Materials. Analytical Chemistry, 2018, 90, 14222-14229.	6.5	9
23	Distinct Molecular Structures of Edge and Middle Positions of Plasma Treated Covered Polymer Film Surfaces Relevant in the Microelectronics Industry. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 1377-1390.	2.5	8
24	A Tightly Coupled Positioning Solution for Land Vehicles in Urban Canyons. Journal of Sensors, 2017, 2017, 1-11.	1.1	8
25	Interchain Overlap Affects Formation of Silk Fibroin Secondary Structures on Hydrophobic Polystyrene Surface Detected via Achiral/Chiral Sum Frequency Generation. Langmuir, 2018, 34, 9453-9459.	3.5	8
26	Calcium Ions Affect Water Molecular Structures Surrounding an Oligonucleotide Duplex as Revealed by Sum Frequency Generation Vibrational Spectroscopy. Langmuir, 2018, 34, 14774-14779.	3.5	8
27	Adaptive speed control method for electromagnetic direct drive vehicle robot driver based on fuzzy logic. Measurement and Control, 2019, 52, 1344-1353.	1.8	8
28	A novel vehicle lateral positioning methodology based on the integrated deep neural network. Expert Systems With Applications, 2020, 142, 112991.	7.6	8
29	RFID/ In-vehicle Sensors-Integrated Vehicle Positioning Strategy Utilising LSSVM and Federated UKF in a Tunnel. Journal of Navigation, 2016, 69, 845-868.	1.7	7
30	Molecular Coupling between Organic Molecules and Metal. Journal of Physical Chemistry Letters, 2018, 9, 5167-5172.	4.6	7
31	Enet-CRF-Lidar: Lidar and Camera Fusion for Multi-Scale Object Recognition. IEEE Access, 2019, 7, 174335-174344.	4.2	7
32	Illustrating Interfacial Interaction between Honey Bee Venom Phospholipase A₂ and Supported Negatively Charged Lipids with Sum Frequency Generation and Laser Scanning Confocal Microscopy. Langmuir, 2020, 36, 2946-2953.	3.5	7
33	Unstructured Road Segmentation Based on Road Boundary Enhancement Point-Cylinder Network Using LiDAR Sensor. Remote Sensing, 2021, 13, 495.	4.0	7
34	A Highly Reliable and Cost-Efficient Multi-Sensor System for Land Vehicle Positioning. Sensors, 2016, 16, 755.	3.8	6
35	Short-working-distance optical imaging system and method for surface detection of underwater structures. Science China Technological Sciences, 2018, 61, 774-781.	4.0	6
36	The new measurement algorithm of the engine speed base on the basic frequency of vibration signal. , 2010, , .		5

#	ARTICLE	IF	CITATIONS
37	A Novel Heading Angle Estimation Methodology for Land Vehicles Based on Deep Learning and Enhanced Digital Map. IEEE Access, 2019, 7, 138567-138578.	4.2	5
38	A Roadside Decision-Making Methodology Based on Deep Reinforcement Learning to Simultaneously Improve the Safety and Efficiency of Merging Zone. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 18620-18631.	8.0	5
39	A Rear Anti-Collision Decision-Making Methodology Based on Deep Reinforcement Learning for Autonomous Commercial Vehicles. IEEE Sensors Journal, 2022, 22, 16370-16380.	4.7	4
40	A highly-reliable combined positioning method for vehicle in urban complex environments. , 2013, , .		3
41	Deep Inference Networks for Reliable Vehicle Lateral Position Estimation in Congested Urban Environments. IEEE Transactions on Image Processing, 2021, 30, 8368-8383.	9.8	3
42	A Hybrid Intelligent Multisensor Positioning Methodology for Reliable Vehicle Navigation. Mathematical Problems in Engineering, 2015, 2015, 1-13.	1.1	2
43	Key Parameters Estimation and Adaptive Warning Strategy for Rear-End Collision of Vehicle. Mathematical Problems in Engineering, 2015, 2015, 1-20.	1.1	2
44	A Novel Dynamic Measurement System for Evaluating the Braking Coordination of Articulated Vehicles. Journal of Sensors, 2016, 2016, 1-10.	1.1	2
45	Modeling the Special Intersection for Enhanced Digital Map. , 2018, , .		2
46	Exploring Interfacial Hydrolysis of Artificial Neutral Lipid Monolayer and Bilayer Catalyzed by Phospholipase C. Langmuir, 0, , .	3.5	2
47	Highly Robust Vehicle Lateral Localization Using Multilevel Robust Network. IEEE Transactions on Neural Networks and Learning Systems, 2021, PP, 1-11.	11.3	1
48	Surface-conducted field emission lamp with ZnO nanotetrapod and MgO composite emitter. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 70-73.	0.8	0
49	Interfacial Molecular-level Structures of Polymers and Biomacromolecules Revealed via Sum Frequency Generation Vibrational Spectroscopy. Journal of Visualized Experiments, 2019, , .	0.3	0
50	Counterion-Dictated Self-Cleaning Behavior of Polycation Coating upon Water Action: Macroscopic Dissection of Hydration of Anions. Angewandte Chemie, 2020, 132, 14574-14580.	2.0	0
51	An attitude updating algorithm using Picard iteration and higher degree polynomial. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002098663.	1.3	0