

List of Publications by Citations

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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	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
46	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
45	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
44	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
43	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
42	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
41	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
40	Evolution of Irreversibly Adsorbed Layer Promotes Dewetting of Polystyrene Film on Sapphire. <i>Macromolecules</i> , 2018 , 51, 6653-6660	5.5	23
39	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
38	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
37	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
36	Sum Frequency Generation of Interfacial Lipid Monolayers Shows Polarization Dependence on Experimental Geometries. <i>Langmuir</i> , 2016 , 32, 7086-95	4	12
35	Interfacial Irreversibly and Loosely Adsorbed Layers Abide by Different Evolution Dynamics. <i>ACS Macro Letters</i> , 2019 , 8, 1426-1431	6.6	11
34	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
33	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
32	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
31	A Tightly Coupled Positioning Solution for Land Vehicles in Urban Canyons. <i>Journal of Sensors</i> , 2017 , 2017, 1-11	2	7

30	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
29	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
28	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
27	Observing different dynamic behaviors of weakly and strongly adsorbed polystyrene chains at interfaces. <i>Soft Matter</i> , 2018 , 14, 2762-2766	3.6	6
26	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
25	A robust lane boundaries detection algorithm based on gradient distribution features 2011 ,		6
24	MME-YOLO: Multi-Sensor Multi-Level Enhanced YOLO for Robust Vehicle Detection in Traffic Surveillance. <i>Sensors</i> , 2020 , 21,	3.8	6
23	A Highly Reliable and Cost-Efficient Multi-Sensor System for Land Vehicle Positioning. <i>Sensors</i> , 2016 , 16,	3.8	6
22	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
21	Molecular Coupling between Organic Molecules and Metal. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 5167-5172	6.4	5
20	Tightly-Coupled Vehicle Positioning Method at Intersections Aided by UWB. <i>Sensors</i> , 2019 , 19,	3.8	5
19	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
18	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
17	The new measurement algorithm of the engine speed base on the basic frequency of vibration signal 2010 ,		4
16	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
15	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
14	A Hybrid Intelligent Multisensor Positioning Methodology for Reliable Vehicle Navigation. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-13	1.1	2
13	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

12	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
11	Unstructured Road Segmentation Based on Road Boundary Enhancement Point-Cylinder Network Using LiDAR Sensor. <i>Remote Sensing</i> , 2021 , 13, 495	5	2
10	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
9	A highly-reliable combined positioning method for vehicle in urban complex environments 2013 ,		1
8	A Novel Dynamic Measurement System for Evaluating the Braking Coordination of Articulated Vehicles. <i>Journal of Sensors</i> , 2016 , 2016, 1-10	2	1
7	Enet-CRF-Lidar: Lidar and Camera Fusion for Multi-Scale Object Recognition. <i>IEEE Access</i> , 2019 , 7, 174335-174344	3.5	1
6	Modeling the Special Intersection for Enhanced Digital Map 2018 ,		1
5	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
4	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	
3	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		
2	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	
1	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	