

Hao Jiang

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.

43
papers

1,397
citations

18
h-index

37
g-index

53
ext. papers

1,814
ext. citations

3.9
avg, IF

5.02
L-index

#	Paper	IF	Citations
43	Fusion of WiFi, smartphone sensors and landmarks using the Kalman filter for indoor localization. <i>Sensors</i> , 2015 , 15, 715-32	3.8	249
42	A Robust Indoor Positioning System Based on the Procrustes Analysis and Weighted Extreme Learning Machine. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 1252-1266	9.6	118
41	A fast and precise indoor localization algorithm based on an online sequential extreme learning machine. <i>Sensors</i> , 2015 , 15, 1804-24	3.8	97
40	WinIPS: WiFi-Based Non-Intrusive Indoor Positioning System With Online Radio Map Construction and Adaptation. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 8118-8130	9.6	91
39	WinLight: A WiFi-based occupancy-driven lighting control system for smart building. <i>Energy and Buildings</i> , 2018 , 158, 924-938	7	77
38	Device-Free Occupant Activity Sensing Using WiFi-Enabled IoT Devices for Smart Homes. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 3991-4002	10.7	73
37	BlueDetect: An iBeacon-Enabled Scheme for Accurate and Energy-Efficient Indoor-Outdoor Detection and Seamless Location-Based Service. <i>Sensors</i> , 2016 , 16, 268	3.8	69
36	Accurate indoor localization and tracking using mobile phone inertial sensors, WiFi and iBeacon 2017 ,		61
35	Insulator Detection in Aerial Images for Transmission Line Inspection Using Single Shot Multibox Detector. <i>IEEE Access</i> , 2019 , 7, 9945-9956	3.5	60
34	Non-intrusive occupancy sensing in commercial buildings. <i>Energy and Buildings</i> , 2017 , 154, 633-643	7	57
33	WiFi Fingerprinting Indoor Localization Using Local Feature-Based Deep LSTM. <i>IEEE Systems Journal</i> , 2020 , 14, 3001-3010	4.3	52
32	Insulator Fault Detection in Aerial Images Based on Ensemble Learning With Multi-Level Perception. <i>IEEE Access</i> , 2019 , 7, 61797-61810	3.5	40
31	Adaptive Localization in Dynamic Indoor Environments by Transfer Kernel Learning 2017 ,		36
30	DeepSense: Device-Free Human Activity Recognition via Autoencoder Long-Term Recurrent Convolutional Network 2018 ,		32
29	Indoor localization using smartphone sensors and iBeacons 2015 ,		28
28	CareFi: Sedentary Behavior Monitoring System via Commodity WiFi Infrastructures. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 7620-7629	6.8	24
27	A mutual information based online access point selection strategy for WiFi indoor localization 2015 ,		23

26	Standardizing location fingerprints across heterogeneous mobile devices for indoor localization 2016,		23
25	Wavelength Detection in Spectrally Overlapped FBG Sensor Network Using Extreme Learning Machine. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2031-2034	2.2	18
24	A novel wavelength detection technique of overlapping spectra in the serial WDM FBG sensor network. <i>Sensors and Actuators A: Physical</i> , 2013 , 198, 31-34	3.9	17
23	Fine-grained adaptive location-independent activity recognition using commodity WiFi 2018,		16
22	WiFi-enabled Device-free Gesture Recognition for Smart Home Automation 2018,		14
21	Wavelength detection of model-sharing fiber Bragg grating sensor networks using long short-term memory neural network. <i>Optics Express</i> , 2019 , 27, 20583-20596	3.3	13
20	An improved PSO algorithm based on particle exploration for function optimization and the modeling of chaotic systems. <i>Soft Computing</i> , 2015 , 19, 3071-3081	3.5	12
19	Insulator Detection in Aerial Images Based on Faster Regions with Convolutional Neural Network 2018,		12
18	Optimal Design of Gain-Flattened Raman Fiber Amplifiers Using a Hybrid Approach Combining Randomized Neural Networks and Differential Evolution Algorithm. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-15	1.8	11
17	Design of an FBG Sensor Network Based on Pareto Multi-Objective Optimization. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 1450-1453	2.2	9
16	Consensus-Based Parallel Extreme Learning Machine for Indoor Localization 2016,		9
15	Box-Point Detector: A Diagnosis Method for Insulator Faults in Power Lines Using Aerial Images and Convolutional Neural Networks. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	9
14	Multi-objective design of an FBG sensor network using an improved Strength Pareto Evolutionary Algorithm. <i>Sensors and Actuators A: Physical</i> , 2014 , 220, 230-236	3.9	7
13	Data analysis in visual power line inspection: An in-depth review of deep learning for component detection and fault diagnosis. <i>Annual Reviews in Control</i> , 2020 , 50, 253-277	10.3	7
12	Identification of autonomous landing sign for unmanned aerial vehicle based on faster regions with convolutional neural network 2017,		5
11	Face-to-machine proximity estimation for mobile industrial human machine interaction 2017,		4
10	Optimal Design of High-Channel-Count Fiber Bragg Grating Filters With Low Index Modulation Using an Improved Differential Evolution Algorithm. <i>IEEE Photonics Journal</i> , 2013 , 5, 7101211-7101211	1.8	4
9	Device-Free Human Activity Recognition with Low-Resolution Infrared Array Sensor Using Long Short-Term Memory Neural Network. <i>Sensors</i> , 2021 , 21,	3.8	4

8	Optimal design of Raman fibre amplifier based on terminal value optimization strategy and shuffled frog leaping algorithm. <i>Journal of Modern Optics</i> , 2018 , 65, 1680-1687	1.1	2
7	Optimal design of multichannel fiber Bragg grating filters using Pareto multi-objective optimization algorithm. <i>Optics Communications</i> , 2016 , 358, 59-64	2	2
6	Design and implementation of an autonomous landing control system of unmanned aerial vehicle for power line inspection 2017 ,		2
5	Slippage fault diagnosis of dampers for transmission lines based on faster R-CNN and distance constraint. <i>Electric Power Systems Research</i> , 2021 , 199, 107449	3.5	2
4	Low-Cost and Device-Free Human Activity Recognition Based on Hierarchical Learning Model. <i>Sensors</i> , 2021 , 21,	3.8	1
3	Enhanced Character Segmentation for Multi-Language Data Plate in Substation Transformer Based on Connected Component Analysis 2018 ,		1
2	Unknown Fault Identification Method of Neutron Detector Based on SVDD. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 830-838	0.2	
1	Multi-objective Design of an FBG Sensor Network Using a Non-dominated Sorting Particle Swarm Optimization. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 349-358	0.2	