

# Hao Jiang

## List of Publications by Year in descending order

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53  
papers

2,240  
citations

430874  
18  
h-index

501196  
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g-index

53  
all docs

53  
docs citations

53  
times ranked

2216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fusion of WiFi, Smartphone Sensors and Landmarks Using the Kalman Filter for Indoor Localization. Sensors, 2015, 15, 715-732.	3.8	321
2	A Robust Indoor Positioning System Based on the Procrustes Analysis and Weighted Extreme Learning Machine. IEEE Transactions on Wireless Communications, 2016, 15, 1252-1266.	9.2	159
3	WinIPS: WiFi-Based Non-Intrusive Indoor Positioning System With Online Radio Map Construction and Adaptation. IEEE Transactions on Wireless Communications, 2017, 16, 8118-8130.	9.2	147
4	Device-Free Occupant Activity Sensing Using WiFi-Enabled IoT Devices for Smart Homes. IEEE Internet of Things Journal, 2018, 5, 3991-4002.	8.7	134
5	Insulator Detection in Aerial Images for Transmission Line Inspection Using Single Shot Multibox Detector. IEEE Access, 2019, 7, 9945-9956.	4.2	133
6	A Fast and Precise Indoor Localization Algorithm Based on an Online Sequential Extreme Learning Machine. Sensors, 2015, 15, 1804-1824.	3.8	122
7	WinLight: A WiFi-based occupancy-driven lighting control system for smart building. Energy and Buildings, 2018, 158, 924-938.	6.7	121
8	WiFi Fingerprinting Indoor Localization Using Local Feature-Based Deep LSTM. IEEE Systems Journal, 2020, 14, 3001-3010.	4.6	102
9	Accurate indoor localization and tracking using mobile phone inertial sensors, WiFi and iBeacon. , 2017, , .		93
10	BlueDetect: An iBeacon-Enabled Scheme for Accurate and Energy-Efficient Indoor-Outdoor Detection and Seamless Location-Based Service. Sensors, 2016, 16, 268.	3.8	90
11	Non-intrusive occupancy sensing in commercial buildings. Energy and Buildings, 2017, 154, 633-643.	6.7	82
12	Insulator Fault Detection in Aerial Images Based on Ensemble Learning With Multi-Level Perception. IEEE Access, 2019, 7, 61797-61810.	4.2	77
13	DeepSense: Device-Free Human Activity Recognition via Autoencoder Long-Term Recurrent Convolutional Network. , 2018, , .		60
14	Adaptive Localization in Dynamic Indoor Environments by Transfer Kernel Learning. , 2017, , .		50
15	CareFi: Sedentary Behavior Monitoring System via Commodity WiFi Infrastructures. IEEE Transactions on Vehicular Technology, 2018, 67, 7620-7629.	6.3	44
16	Indoor localization using smartphone sensors and iBeacons. , 2015, , .		40
17	Data analysis in visual power line inspection: An in-depth review of deep learning for component detection and fault diagnosis. Annual Reviews in Control, 2020, 50, 253-277.	7.9	39
18	Standardizing location fingerprints across heterogeneous mobile devices for indoor localization. , 2016, , .		33

#	ARTICLE	IF	CITATIONS
19	A novel wavelength detection technique of overlapping spectra in the serial WDM FBG sensor network. Sensors and Actuators A: Physical, 2013, 198, 31-34.	4.1	32
20	Wavelength Detection in Spectrally Overlapped FBG Sensor Network Using Extreme Learning Machine. IEEE Photonics Technology Letters, 2014, 26, 2031-2034.	2.5	30
21	A mutual information based online access point selection strategy for WiFi indoor localization. , 2015, , .		30
22	Fine-grained adaptive location-independent activity recognition using commodity WiFi. , 2018, , .		30
23	Box-Point Detector: A Diagnosis Method for Insulator Faults in Power Lines Using Aerial Images and Convolutional Neural Networks. IEEE Transactions on Power Delivery, 2021, 36, 3765-3773.	4.3	30
24	Insulator Detection in Aerial Images Based on Faster Regions with Convolutional Neural Network. , 2018, , .		28
25	WiFi-enabled Device-free Gesture Recognition for Smart Home Automation. , 2018, , .		25
26	Wavelength detection of model-sharing fiber Bragg grating sensor networks using long short-term memory neural network. Optics Express, 2019, 27, 20583.	3.4	25
27	Optimal Design of Gain-Flattened Raman Fiber Amplifiers Using a Hybrid Approach Combining Randomized Neural Networks and Differential Evolution Algorithm. IEEE Photonics Journal, 2018, 10, 1-15.	2.0	20
28	Device-Free Human Activity Recognition with Low-Resolution Infrared Array Sensor Using Long Short-Term Memory Neural Network. Sensors, 2021, 21, 3551.	3.8	20
29	Slippage fault diagnosis of dampers for transmission lines based on faster R-CNN and distance constraint. Electric Power Systems Research, 2021, 199, 107449.	3.6	15
30	Multi-objective design of an FBG sensor network using an improved Strength Pareto Evolutionary Algorithm. Sensors and Actuators A: Physical, 2014, 220, 230-236.	4.1	12
31	An improved PSO algorithm based on particle exploration for function optimization and the modeling of chaotic systems. Soft Computing, 2015, 19, 3071-3081.	3.6	12
32	Design of an FBG Sensor Network Based on Pareto Multi-Objective Optimization. IEEE Photonics Technology Letters, 2013, 25, 1450-1453.	2.5	11
33	Identification of autonomous landing sign for unmanned aerial vehicle based on faster regions with convolutional neural network. , 2017, , .		11
34	Consensus-Based Parallel Extreme Learning Machine for Indoor Localization. , 2016, , .		10
35	Forecasting thermal parameters for ultra-high voltage transformers using long and short-term time-series network with conditional mutual information. IET Electric Power Applications, 2022, 16, 548-564.	1.8	9
36	Face-to-machine proximity estimation for mobile industrial human machine interaction. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
37	Feasible Computationally Efficient Path Planning for UAV Collision Avoidance. , 2018, , .		7
38	Low-Cost and Device-Free Human Activity Recognition Based on Hierarchical Learning Model. Sensors, 2021, 21, 2359.	3.8	6
39	Optimal Design of High-Channel-Count Fiber Bragg Grating Filters With Low Index Modulation Using an Improved Differential Evolution Algorithm. IEEE Photonics Journal, 2013, 5, 7101211-7101211.	2.0	5
40	Optimal design of Raman fibre amplifier based on terminal value optimization strategy and shuffled frog leaping algorithm. Journal of Modern Optics, 2018, 65, 1680-1687.	1.3	4
41	Optimal design of multichannel fiber Bragg grating filters using Pareto multi-objective optimization algorithm. Optics Communications, 2016, 358, 59-64.	2.1	3
42	Design and implementation of an autonomous landing control system of unmanned aerial vehicle for power line inspection. , 2017, , .		2
43	Measurement of Tree Barriers in Transmission Line Corridors Based on Binocular Stereo Vision. , 2018, , .		2
44	Application of Distributed Estimation Algorithm in Wavelength Demodulation of Overlapping Spectra of Fiber Bragg Grating Sensor Networks. , 2019, , .		2
45	LightCon: Simplify line-of-sight connection with visible symbols in industrial wireless networks. , 2017, , .		1
46	Enhanced Character Segmentation for Multi-Language Data Plate in Substation Transformer Based on Connected Component Analysis. , 2018, , .		1
47	UWB indoor location based on improved least square support vector machine considering anchor anomaly. , 2020, , .		1
48	A High-Adaptability Indoor Localization Algorithm for Large-Scale BLE Sensors. , 2021, , .		1
49	Quality assessment for inspection images of power lines based on spatial and sharpness evaluation. IET Image Processing, 0, , .	2.5	1
50	Trail-Based Location Service in Event-Driven Wireless Sensor and Actor Networks. , 2017, , .		0
51	Wavelength Demodulation of Overlapping Spectra in FBC Sensor Networ Based on Deep Neural Network*. , 2020, , .		0
52	Unknown Fault Identification Method of Neutron Detector Based on SVDD. Lecture Notes in Electrical Engineering, 2022, , 830-838.	0.4	0
53	Multi-objective Design of an FBC Sensor Network Using a Non-dominated Sorting Particle Swarm Optimization. Lecture Notes in Electrical Engineering, 2022, , 349-358.	0.4	0