Zengshan

List of Publications by Year
in descending order

52 papers	675 citations	759233 12 h-index	677142 22 g-index
52 all docs	52 docs citations	52 times ranked	635 citing authors

#	ARTICLE	IF	CITATIONS
1	Remote Monitoring of Human Vital Signs Based on 77-GHz mm-Wave FMCW Radar. Sensors, 2020, 20, 2999.	3.8	108
2	An Information-Theoretic View of WLAN Localization Error Bound in GPS-Denied Environment. IEEE Transactions on Vehicular Technology, 2019, 68, 4089-4093.	6.3	101
3	Calibrated Data Simplification for Energy-Efficient Location Sensing in Internet of Things. IEEE Internet of Things Journal, 2019, 6, 6125-6133.	8.7	79
4	WiCatch: A Wi-Fi Based Hand Gesture Recognition System. IEEE Access, 2018, 6, 16911-16923.	4.2	66
5	TS-I3D Based Hand Gesture Recognition Method With Radar Sensor. IEEE Access, 2019, 7, 22902-22913.	4.2	58
6	Indoor WLAN Intelligent Target Intrusion Sensing Using Ray-Aided Generative Adversarial Network. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 61-73.	4.9	31
7	u-DeepHand: FMCW Radar-Based Unsupervised Hand Gesture Feature Learning Using Deep Convolutional Auto-Encoder Network. IEEE Sensors Journal, 2019, 19, 6811-6821.	4.7	28
8	Achieving Cost-Efficient Indoor Fingerprint Localization on WLAN Platform: A Hypothetical Test Approach. IEEE Access, 2017, 5, 15865-15874.	4.2	27
9	Multipath-Assisted Indoor Localization Using a Single Receiver. IEEE Sensors Journal, 2021, 21, 692-705.	4.7	23
10	Decimeter Level Indoor Localization Using WiFi Channel State Information. IEEE Sensors Journal, 2022, 22, 4940-4950.	4.7	15
11	CSI Component Reconstruction-Based AoA Estimation for Subtle Human-Induced Reflection Under the TTW Scenario. IEEE Communications Letters, 2019, 23, 1393-1396.	4.1	14
12	Decimeter Level Indoor Localization Using Hybrid Measurements of a Distributed Single Receiver. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	12
13	A Fast Path Planning Algorithm Fusing PRM and P-Bi-RRT. , 2020, , .		12
14	Leveraging Hypothesis Testing for CSI Based Passive Human Intrusion Direction Detection. IEEE Transactions on Vehicular Technology, 2021, 70, 7749-7763.	6.3	11
15	WiFi-Based Adaptive Indoor Passive Intrusion Detection. , 2018, , .		8
16	TWPalo: Through-the-Wall Passive Localization of Moving Human with Wi-Fi. , 2019, , .		6
17	Configurable Multipath-Assisted Indoor Localization Using Active Relay. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 155-168.	4.6	6
18	Rammar: RAM Assisted Mask R-CNN for FMCW Sensor Based HGD System. , 2019, , .		5

#	Article	IF	Citations
19	SAPIL: single access point based indoor localisation using Wiâ€Fi Lâ€shaped antenna array. IET Wireless Sensor Systems, 2019, 9, 119-131.	1.7	5
20	RTIL: A Real-Time Indoor Localization System by Using Angle of Arrival of Commodity WiFi Signal. , 2019, , .		5
21	HiLoc: Sub-Meter Level Indoor Localization Using a Single Access Point With Distributed Antennas in Wireless Sensor Networks. IEEE Sensors Journal, 2022, 22, 4869-4881.	4.7	5
22	Device-Free Indoor Tracking via Joint Estimation of DFS and AoA using CSI Amplitude. , 2021, , .		5
23	Path Tracking Based on Improved Pure Pursuit Model and PID. , 2020, , .		5
24	CSI-Based ToF Estimation for Reflection Path Under the TTW Scenario. IEEE Wireless Communications Letters, 2021, 10, 1010-1013.	5.0	4
25	RfLoc: A Reflector-Assisted Indoor Localization System Using a Single-Antenna AP. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	4.7	4
26	Indoor NLOS Localization Based on Collaboration of Multiple Base Stations. , 2020, , .		4
27	A novel F-RCNN based hand gesture detection approach for FMCW systems. Wireless Networks, 2019, , 1.	3.0	3
28	Indoor Target Intrusion Detection via Iterative Transfer Learning Based Cognitive Sensing. Mobile Networks and Applications, 2019, 24, 2002-2013.	3.3	3
29	Indoor UAV Localization using Manifold Alignment with Mobile AP Detection. , 2019, , .		3
30	FiLoc: Fine-Grained Indoor Localization Using a Single Access Point. , 2020, , .		3
31	Multi-Receiver Deception Jamming Against SAR Using Frequency Diverse Array. , 2020, , .		3
32	Beamforming and Artificial Noise Design for Energy Efficient Cloud RAN with CSI Uncertainty. , 2018, , .		2
33	Multipath-Assisted Indoor Localization: Turning Multipath Signal from Enemy to Friend. , 2019, , .		2
34	Two-Stream Time Sequential Network Based Hand Gesture Recognition Method Using Radar Sensor. , 2019, , .		2
35	Dynamic ISAR Imaging Method for Multiple Moving Vehicles Based on OMP-CADMM. IEEE Transactions on Vehicular Technology, 2022, 71, 10948-10959.	6.3	2
36	Toward a Distribution Difference-Based Passive Motion Detection System Using WiFi Signals. IEEE Sensors Journal, 2021, 21, 24631-24643.	4.7	1

#	Article	IF	Citations
37	Indoor Real-Time Localization by Mitigating Multipath Signals. , 2021, , .		1
38	Indoor Localization Using a Single Receiver in NLoS Environments. , 2021, , .		1
39	Device-Free Indoor Tracking using CSI with Probability Data Association. , 2021, , .		1
40	A State Recognition Approach Based on Distribution Difference for Passive People Counting. , 2021, , .		1
41	An On-Line Unsupervised Neural Network to Adaptive Feature Extraction of Lower SNR DS-SS signals. , 2006, , .		0
42	GPS attitude measurement with baseline constrained optimization algorithm for unpiloted car. Wireless Networks, 2019, , 1.	3.0	0
43	WalkAround: Multipath-assisted Indoor Localization and Mapping Using a Single Receiver. , 2020, , .		0
44	Carrier Phase-based Wi-Fi Indoor Localization Method. , 2020, , .		0
45	TWPad: Through the wall passive human detection based on joint hypothesis statistical test. , 2021, , .		0
46	A Robust Passive Motion Detection System Based on Frequency-Space Diversity. , 2021, , .		0
47	A Novel Device-Free Tracking System Using WiFi: Turning Fading Channel From Foe to Friend. , 2020, , .		0
48	Three-Dimensional Joint Parameter Estimation Algorithm Based on Service Antenna. , 2020, , .		0
49	Nature Scatterer Assisted Indoor NLoS Localization with a Single AP. , 2021, , .		0
50	A Phase-Based Indoor Localization Algorithm Using EKF for Passive RFID Tags. , 2021, , .		0
51	Indoor Localization Based on Scatterers and Multipath Propagation. , 2021, , .		0
52	Fast Dynamic ISAR Imaging Method Based on Low-rank Tensor Decomposition with Alternating Minimization. , 2022, , .		0