Jie Wang

List of Publications by Year
in descending order

52 papers	1,880 citations	279798 23 h-index	254184 43 g-index
52 all docs	52 docs citations	52 times ranked	1816 citing authors

#	Article	IF	Citations
1	Device-Free Wireless Localization and Activity Recognition: A Deep Learning Approach. IEEE Transactions on Vehicular Technology, 2017, 66, 6258-6267.	6.3	194
2	Device-Free Localization With Multidimensional Wireless Link Information. IEEE Transactions on Vehicular Technology, 2015, 64, 356-366.	6.3	183
3	CSI-Based Device-Free Wireless Localization and Activity Recognition Using Radio Image Features. IEEE Transactions on Vehicular Technology, 2017, 66, 10346-10356.	6.3	159
4	Deep CM-CNN for Spectrum Sensing in Cognitive Radio. IEEE Journal on Selected Areas in Communications, 2019, 37, 2306-2321.	14.0	153
5	Toward Accurate Device-Free Wireless Localization With a Saddle Surface Model. IEEE Transactions on Vehicular Technology, 2016, 65, 6665-6677.	6.3	105
6	Semisupervised classification for hyperspectral image based on multi-decision labeling and deep feature learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 120, 99-107.	11.1	101
7	Robust Device-Free Wireless Localization Based on Differential RSS Measurements. IEEE Transactions on Industrial Electronics, 2013, 60, 5943-5952.	7.9	79
8	Hyperspectral Image Classification Based on Deep Deconvolution Network With Skip Architecture. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4781-4791.	6.3	65
9	Device-Free Simultaneous Wireless Localization and Activity Recognition With Wavelet Feature. IEEE Transactions on Vehicular Technology, 2017, 66, 1659-1669.	6.3	60
10	DeFi: Robust Training-Free Device-Free Wireless Localization With WiFi. IEEE Transactions on Vehicular Technology, 2018, 67, 8822-8831.	6.3	60
11	Device-Free Wireless Sensing: Challenges, Opportunities, and Applications. IEEE Network, 2018, 32, 132-137.	6.9	56
12	Device-Free Wireless Sensing in Complex Scenarios Using Spatial Structural Information. IEEE Transactions on Wireless Communications, 2018, 17, 2432-2442.	9.2	48
13	Optimal Eigenvalue Weighting Detection for Multi-Antenna Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2017, 16, 2083-2096.	9.2	42
14	Practical Device-Free Gesture Recognition Using WiFi Signals Based on Metalearning. IEEE Transactions on Industrial Informatics, 2020, 16, 228-237.	11.3	38
15	Maximum Eigenvalue-Based Goodness-of-Fit Detection for Spectrum Sensing in Cognitive Radio. IEEE Transactions on Vehicular Technology, 2019, 68, 7747-7760.	6.3	37
16	Device-Free Identification Using Intrinsic CSI Features. IEEE Transactions on Vehicular Technology, 2018, 67, 8571-8581.	6.3	33
17	Dynamic Magnetic Induction Wireless Communications for Autonomous-Underwater-Vehicle-Assisted Underwater IoT. IEEE Internet of Things Journal, 2020, 7, 9834-9845.	8.7	29
18	Learning to Sense: Deep Learning for Wireless Sensing with Less Training Efforts. IEEE Wireless Communications, 2020, 27, 156-162.	9.0	29

#	ARTICLE	IF	CITATIONS
19	Cross-Dataset Hyperspectral Image Classification Based on Adversarial Domain Adaptation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4179-4190.	6.3	25
20	Multiscale and Dense Ship Detection in SAR Images Based on Key-Point Estimation and Attention Mechanism. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	25
21	Device-Free Multi-Person Respiration Monitoring Using WiFi. IEEE Transactions on Vehicular Technology, 2020, 69, 14083-14087.	6.3	24
22	Delay-Optimal Back-Pressure Routing Algorithm for Multihop Wireless Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2617-2630.	6.3	23
23	Pseudo-3D Vision-Inertia Based Underwater Self-Localization for AUVs. IEEE Transactions on Vehicular Technology, 2020, 69, 7895-7907.	6.3	23
24	Task Allocation Strategy for MEC-Enabled IIoTs via Bayesian Network Based Evolutionary Computation. IEEE Transactions on Industrial Informatics, 2021, 17, 3441-3449.	11.3	23
25	Hyperspectral Image Classification Based on Two-Phase Relation Learning Network. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 10398-10409.	6.3	21
26	Service-Oriented Hybrid-Database-Assisted Spectrum Trading: A Blueprint for Future Licensed Spectrum Sharing. IEEE Wireless Communications, 2019, 26, 156-163.	9.0	21
27	Device-Free Human Gesture Recognition With Generative Adversarial Networks. IEEE Internet of Things Journal, 2020, 7, 7678-7688.	8.7	21
28	Cross-Data Set Hyperspectral Image Classification Based on Deep Domain Adaptation. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 10164-10174.	6.3	20
29	Device-Free Vehicle Speed Estimation With WiFi. IEEE Transactions on Vehicular Technology, 2018, 67, 8205-8214.	6.3	19
30	Statistical QoS Provisioning Over Uncertain Shared Spectrums in Cognitive IoT Networks: A Distributionally Robust Data-Driven Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 12286-12300.	6.3	18
31	Cross-Scenario Device-Free Activity Recognition Based on Deep Adversarial Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 5416-5425.	6.3	16
32	Data-Driven Optimization for Cooperative Edge Service Provisioning With Demand Uncertainty. IEEE Internet of Things Journal, 2021, 8, 4317-4328.	8.7	12
33	A Service-Oriented Spectrum-Aware RAN-Slicing Trading Scheme Under Spectrum Sharing. IEEE Internet of Things Journal, 2020, 7, 11303-11317.	8.7	11
34	Leveraging Hypothesis Testing for CSI Based Passive Human Intrusion Direction Detection. IEEE Transactions on Vehicular Technology, 2021, 70, 7749-7763.	6.3	11
35	Multi-Target Device-Free Wireless Sensing Based on Multiplexing Mechanisms. IEEE Transactions on Vehicular Technology, 2020, 69, 10242-10251.	6.3	10
36	Cross-Medium Communication Combining Acoustic Wave and Millimeter Wave: Theoretical Channel Model and Experiments. IEEE Journal of Oceanic Engineering, 2022, 47, 483-492.	3.8	9

#	Article	IF	Citations
37	LetFi: Letter Recognition in the Air Using CSI. , 2018, , .		7
38	Device-Free Activity Recognition Based on Coherence Histogram. IEEE Transactions on Industrial Informatics, 2019, 15, 954-964.	11.3	7
39	Path-Independent Device-Free Gait Recognition Using mmWave Signals. IEEE Transactions on Vehicular Technology, 2021, 70, 11582-11592.	6.3	7
40	Direction of Arrival Estimation Using Amplitude and Phase Information in Low-Profile MIMO Arrays. IEEE Transactions on Antennas and Propagation, 2018, 66, 6457-6462.	5.1	6
41	Power-Efficient Data Collection Scheme for AUV-Assisted Magnetic Induction and Acoustic Hybrid Internet of Underwater Things. IEEE Internet of Things Journal, 2022, 9, 11675-11684.	8.7	6
42	D-FROST: Distributed Frequency Reuse-Based Opportunistic Spectrum Trading via Matching With Evolving Preferences. IEEE Transactions on Wireless Communications, 2018, 17, 3794-3806.	9.2	5
43	A Joint Rogue Access Point Localization and Outlier Detection Scheme Leveraging Sparse Recovery Technique. IEEE Transactions on Vehicular Technology, 2021, 70, 1866-1877.	6.3	5
44	Classification of Hyperspectral Image Based on Task-Specific Learning Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8646-8656.	6.3	5
45	Enabling Lightweight Device-Free Wireless Sensing With Network Pruning and Quantization. IEEE Sensors Journal, 2022, 22, 969-979.	4.7	5
46	Robust Cooperative Indoor Localization Based on Reliability Evaluation. IEEE Sensors Journal, 2018, 18, 6836-6846.	4.7	4
47	Optimal Transportation Network Company Vehicle Dispatching via Deep Deterministic Policy Gradient. Lecture Notes in Computer Science, 2019, , 297-309.	1.3	4
48	A Cost-Efficient Skipping Based Spectrum Sensing Scheme Via Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 2220-2224.	6.3	4
49	Data-Driven Service Provisioning over Shared Spectrums with Statistical QoS Guarantee. , 2019, , .		3
50	A Dynamic Differential Phase Analysis Method for Wireless Sensing. IEEE Transactions on Vehicular Technology, 2019, 68, 7723-7732.	6.3	3
51	No One Left Behind: Avoid Hot Car Deaths via WiFi Detection. , 2020, , .		3
52	Cross-Scenario Device-Free Gesture Recognition Based on Self-Adaptive Adversarial Learning. IEEE Internet of Things Journal, 2022, 9, 7080-7090.	8.7	3