

# Jian Xie

## List of Publications by Year in descending order

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papers

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citations

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56  
times ranked

486  
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#	ARTICLE	IF	CITATIONS
1	Parameters Estimation of 3-D Near-Field Sources With Arbitrarily Spaced Electromagnetic Vector-Sensors. IEEE Communications Letters, 2022, 26, 2764-2768.	4.1	2
2	Fast Reweighted Smoothed $\ell_1$ -Norm Near-Field Source Localization Based on Fourth-Order Statistics. IEEE Communications Letters, 2022, 26, 74-78.	4.1	3
3	Localisation and classification of mixed far-field and near-field sources with sparse reconstruction. IET Signal Processing, 2022, 16, 426-437.	1.5	3
4	A Radio Signal Recognition Approach Based on Complex-Valued CNN and Self-Attention Mechanism. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1358-1373.	7.9	10
5	Localizing GNSS Spoofing Attacks Using Direct Position Determination. IEEE Sensors Journal, 2022, 22, 15323-15333.	4.7	4
6	A novel wideband DOA estimation method based on a fast sparse frame. IET Communications, 2021, 15, 935-945.	2.2	3
7	A Hybrid Interference Suppression Method Based On Robust Beamforming. , 2021, , .		0
8	Security Enhancement of Directional Modulation Scheme Against Hybrid Eavesdroppers. , 2021, , .		0
9	Attention Mechanism Based ResNeXt Network for Automatic Modulation Classification. , 2021, , .		5
10	An Efficient Near-Field Localization Method of Coherently Distributed Strictly Non-circular Signals. Sensors, 2020, 20, 5176.	3.8	3
11	Multi-Beam Index Modulation With Cooperative Legitimate Users Schemes Based on Frequency Diverse Array. IEEE Transactions on Vehicular Technology, 2020, 69, 11028-11041.	6.3	19
12	Mixed Far-Field and Near-Field Source Localization Using a Linear Tripole Array. IEEE Wireless Communications Letters, 2020, 9, 889-892.	5.0	13
13	Efficient Two-Dimensional Direction Finding Algorithm for Rectilinear Sources Under Unknown Mutual Coupling. Sensors, 2020, 20, 1914.	3.8	1
14	Signal parameter estimation through hierarchical conjugate gradient least squares applied to tensor decomposition. ETRI Journal, 2020, 42, 922-931.	2.0	2
15	Fourth-order cumulant based direction finding algorithm for non-circular signals using uniform circular array with mutual coupling. , 2020, , .		1
16	Robust tensor beamforming for polarization sensitive arrays. Multidimensional Systems and Signal Processing, 2019, 30, 727-748.	2.6	6
17	DOA and Polarization Parameters Estimation by Exploiting Canonical Polyadic Decomposition of Tensors. Wireless Communications and Mobile Computing, 2019, 2019, 1-12.	1.2	1
18	Linear Array Pattern Synthesis Using Multi-Objective Optimization Algorithm Based on Reference Vectors. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Classification and Localization of Mixed Sources after Blind Calibration of Unknown Mutual Coupling. International Journal of Antennas and Propagation, 2019, 2019, 1-13.	1.2	0
20	Medium Access Control for Unmanned Aerial Vehicle Based Mission Critical Wireless Sensor Networks in 3D Monitoring Networks. IEEE Access, 2019, 7, 102274-102283.	4.2	5
21	Directional Modulation Technique for Linear Sparse Arrays. IEEE Access, 2019, 7, 13230-13240.	4.2	8
22	MP-WFRFT and Chaotic Scrambling Aided Directional Modulation Technique for Physical Layer Security Enhancement. IEEE Access, 2019, 7, 74459-74470.	4.2	11
23	Broadcasting Directional Modulation Based on Random Frequency Diverse Array. Wireless Communications and Mobile Computing, 2019, 2019, 1-11.	1.2	7
24	Joint Space and Time Processing for Unknown Mutual Coupling Blind Calibration and Mixed Sources Identification Using Uniform Circular Array. Electronics (Switzerland), 2019, 8, 525.	3.1	1
25	Sparsity-Inducing DOA Estimation of Coherent Signals Under the Coexistence of Mutual Coupling and Nonuniform Noise. IEEE Access, 2019, 7, 40271-40278.	4.2	22
26	Multi-Beam Directional Modulation Synthesis Scheme Based on Frequency Diverse Array. IEEE Transactions on Information Forensics and Security, 2019, 14, 2593-2606.	6.9	34
27	Analytical approximation of ZF Ricean rate in massive MIMO channels. Electronics Letters, 2019, 55, 224-226.	1.0	1
28	DOA Estimation Under Mutual Coupling of Uniform Linear Arrays Using Sparse Reconstruction. IEEE Wireless Communications Letters, 2019, 8, 1004-1007.	5.0	30
29	Real-Valued Near-Field Localization of Partially Polarized Noncircular Sources With a Cross-Dipole Array. IEEE Access, 2019, 7, 36623-36632.	4.2	6
30	Efficient Cumulant-Based Methods for Joint Angle and Frequency Estimation Using Spatial-Temporal Smoothing. Electronics (Switzerland), 2019, 8, 82.	3.1	3
31	Directional modulation based on chaos scrambling and artificial noise for physical layer security enhancement. IET Communications, 2019, 13, 3307-3316.	2.2	2
32	Efficient Localization Algorithm for Spatially Displaced Electromagnetic Vector Sensor. , 2019, , .		0
33	A Hybrid PSO-GA Algorithm Based Directional Modulation Technique. , 2019, , .		1
34	Two-Dimensional DOA Finding Method for Noncircular Signals with Unknown Mutual Coupling of Rectangular Arrays. , 2019, , .		2
35	The New C-Shaped Parasitic Strip for the Single-Feed Circularly Polarized (CP) Microstrip Antenna Design. International Journal of Antennas and Propagation, 2019, 2019, 1-9.	1.2	3
36	Coherent Signal Parameter Estimation by Exploiting Decomposition of Tensors. Mathematical Problems in Engineering, 2019, 2019, 1-8.	1.1	0

#	ARTICLE	IF	CITATIONS
37	Improved axis rotation MTD algorithm and its analysis. Multidimensional Systems and Signal Processing, 2019, 30, 885-902.	2.6	17
38	Artificial-Noise-Aided Secure Transmission for Proximal Legitimate User and Eavesdropper Based on Frequency Diverse Arrays. IEEE Access, 2018, 6, 52531-52543.	4.2	19
39	Dual-Frequency Tunable Wave Absorbing Structure Based on Frequency Selective Surface. , 2018, , .		0
40	Joint DOA and Polarization Estimation with Two Parallel Sparse Dipole Arrays. Mathematical Problems in Engineering, 2018, 2018, 1-10.	1.1	3
41	Direction Finding Algorithm for Noncircular Signals in the Presence of Unknown Mutual Coupling. , 2018, , .		0
42	Efficient Real-Valued Rank Reduction Algorithm for DOA Estimation of Noncircular Sources Under Mutual Coupling. IEEE Access, 2018, 6, 64450-64460.	4.2	8
43	Interference Suppression for SAR Base on Ambiguity Function Iteration Decomposition. , 2018, , .		1
44	Accurate Approximation of ZF Massive MIMO Channel Rate With a Finite Antenna Over Ricean Fading Channel. IEEE Access, 2018, 6, 65803-65812.	4.2	4
45	Efficient DOA Estimation Algorithm for Noncircular Sources Under Unknown Mutual Coupling. , 2018, 2, 1-4.		7
46	Energy Efficiency TDMA/CSMA Hybrid Protocol with Power Control for WSN. Wireless Communications and Mobile Computing, 2018, 2018, 1-7.	1.2	20
47	High Sensitivity Refractive Index Sensor Based on Frequency Selective Surfaces Absorber. , 2018, 2, 1-4.		7
48	A Broadband Circular Polarizer Based on Cross-Shaped Composite Frequency Selective Surfaces. IEEE Transactions on Antennas and Propagation, 2017, 65, 5623-5627.	5.1	70
49	Narrow-Band Interference Suppression via RPCA-Based Signal Separation in Time-Frequency Domain. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 5016-5025.	4.9	67
50	Energy Efficient Cross-Layer Transmission Model for Mobile Wireless Sensor Networks. Mobile Information Systems, 2017, 2017, 1-8.	0.6	10
51	A Broadband Linear-to-Circular Transmission Polarizer Based on Right-Angled Frequency Selective Surfaces. International Journal of Antennas and Propagation, 2017, 2017, 1-6.	1.2	9
52	Broadband window-type circular polariser based on frequency selective surfaces. , 2017, , .		0
53	Feature extraction for PolSAR image classification using multilinear subspace learning. , 2017, , .		2
54	Localization of mixed far-field and near-field sources under unknown mutual coupling. , 2016, 50, 229-239.		28

#	ARTICLE	IF	CITATIONS
55	Real-valued localisation algorithm for near-field non-circular sources. Electronics Letters, 2015, 51, 1330-1331.	1.0	14
56	Efficient Method of Passive Localization for Near-Field Noncircular Sources. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1223-1226.	4.0	40