Hong Jiang

List of Publications by Year
in descending order

60 papers	342 citations	1478505 6 h-index	996975 15 g-index
60 all docs	60 docs citations	60 times ranked	290 citing authors

#	Article	IF	Citations
1	Joint DOD and DOA Estimation for Bistatic MIMO Radar in Unknown Correlated Noise. IEEE Transactions on Vehicular Technology, 2015, 64, 5113-5125.	6.3	86
2	Range-Angle Decoupling and Estimation for FDA-MIMO Radar via Atomic Norm Minimization and Accelerated Proximal Gradient. IEEE Signal Processing Letters, 2020, 27, 366-370.	3.6	30
3	Deep Convolutional Neural Network for Passive RFID Tag Localization Via Joint RSSI and PDOA Fingerprint Features. IEEE Access, 2021, 9, 15441-15451.	4.2	25
4	Grid-Free DOD and DOA Estimation for MIMO Radar via Duality-Based 2D Atomic Norm Minimization. IEEE Access, 2019, 7, 60827-60836.	4.2	21
5	Competition of technology standards in Industry 4.0: An innovation ecosystem perspective. Systems Research and Behavioral Science, 2020, 37, 772-783.	1.6	19
6	Deep Belief Network for Fingerprinting-Based RFID Indoor Localization. , 2019, , .		16
7	Enterprises' network structure and their technology standardization capability in Industry 4.0. Systems Research and Behavioral Science, 2020, 37, 749-765.	1.6	13
8	Propagator Method-Based TOA Estimation for UWB Indoor Environment in the Presence of Correlated Fading Amplitudes. , 2008, , .		9
9	Random matrix based method for joint DOD and DOA estimation for large scale MIMO radar in non-Gaussian noise. , 2016, , .		8
10	Gridless DOD and DOA estimation in bistatic MIMO radar using 2D-ANM and its low complexity algorithms. , 2021, 108, 102900.		8
11	Coprime Array Interpolation for Direction of Arrival Estimation Based on Atomic Norm Minimization. , 2019, , .		7
12	On Temporal Smoothing for Two-Dimensional Direction-of-Arrival Estimation of Coherent Signals in Multiplicative/Additive Noises Environment. , 0, , .		5
13	TOA Estimation for IR-UWB System Using Matrix Pencil. , 2009, , .		5
14	Improved capon estimators for DOD and DOA estimation in large array MIMO radar: A random matrix method. , 2018, , .		5
15	Gridless Angle and Range Estimation for FDA-MIMO Radar Based on Decoupled Atomic Norm Minimization. , 2019, , .		5
16	Unitary Matrix Pencil Algorithm for Range-Based 3D Localization of Wireless Sensor Network Nodes. Journal of Networks, 2012, 7, .	0.4	5
17	Localization of Anchor Nodes for Wireless Sensor Networks. , 2008, , .		4
18	Broadband Near-Field Range and Bearing Estimation Based on Fourth-Order Cumulants. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
19	Estimation of DOD and 2D-DOA and polarizations for bistatic MIMO radar. , 2010, , .		4
20	Polarimetric MIMO radar target detection based on glowworm swarm optimization algorithm. , 2014, , .		4
21	Blind multi-target detection for bistatic MIMO radar based on random matrix theory. , 2015, , .		4
22	Offâ€grid DOA estimation for nested array using atomic norm minimisation. Electronics Letters, 2018, 54, 1344-1346.	1.0	4
23	Low complexity 3D-OMP algorithms for DOD DOA and Doppler frequency estimation in bistatic MIMO radar. International Journal of Electronics, 2019, 106, 816-828.	1.4	4
24	Iteratively reweighted <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e115" altimg="si3.svg"><mml:msub><mml:mrow><mml:mi>l</mml:mi></mml:mrow><mml:mrow><mml:mi>p</mml:mi></mml:mrow></mml:msub></mml:math> norm minimization for DOD and DOA estimation in bistatic MIMO radar under impulsive noise. AEU - International Journal of Electronics and Communications, 2022, 153, 154263.	2.9	4
25	4-D parameter estimation in bistatic MIMO radar for near-field target localization. , 2015, , .		3
26	CFAR-Based TOA Estimation and Node Localization Method for UWB Wireless Sensor Networks in Weibull Noise and Dense Multipath. , 2015, , .		3
27	Direction finding of multiple targets using coprime array in MIMO radar. IEICE Communications Express, 2017, 6, 115-119.	0.4	3
28	Passive UHF RFID Network Planning for Accurate 3-D Location via Restricted Genetic Algorithm. IEEE Communications Letters, 2021, 25, 1196-1200.	4.1	3
29	One-Bit Gridless DOA Estimation with Multiple Measurements Exploiting Accelerated Proximal Gradient Algorithm. Circuits, Systems, and Signal Processing, 2022, 41, 1100-1114.	2.0	3
30	Off-Grid DOA Estimation With Mutual Coupling via Block Log-Sum Minimization and Iterative Gradient Descent. IEEE Wireless Communications Letters, 2022, 11, 343-347.	5.0	3
31	2-D direction finding of cyclostationary signals in the presence of both multiplicative noise and additive noise. , 0, , .		2
32	Fourth-order cyclic cumulant TLS-ESPRIT algorithm to estimate direction of cyclostationary coherent sources. , 2003, , .		2
33	Target localization for bistatic MIMO radar in unknown correlated noise. , 2011, , .		2
34	Fast 3D Node Localization in Multipath for UWB Wireless Sensor Networks Using Modified Propagator Method. International Journal of Distributed Sensor Networks, 2014, 10, 312535.	2.2	2
35	Blind target detection for MIMO radar based on random matrix theory under correlated noise. , 2016, , .		2
36	Azimuth/elevation estimation for cyclostationary coherent sources using higher order cyclic cumulant. , 0, , .		1

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37	Multipath direction finding in both multiplicative noise and additive noise environments via exploitation of cyclostationarity. , 2004, , .		1
38	An effective direction estimation algorithm in multipath environment based on fourth-order cyclic cumulants. , 0, , .		1
39	A novel higher order cyclic cumulaut based direction finding algorithm in multipath. , 0, , .		1
40	Forward-backward linear prediction to direction finding of coherent sources using higher-order cyclic statistics. , 2004, , .		1
41	Joint Parameter Estimation of Two-Dimensional Angle/Delay/Polarization for Multipath Channels. , 2008, , .		1
42	Joint 2-D Angle and Delay Estimation for Multipath Channel Using Fourth-Order Cumulants. , 2008, , .		1
43	Lunar Rover Positioning Based on Time of Arrival Measurements of UWB Signals. , 2008, , .		1
44	Range-based node localization algorithm for wireless sensor network using Unitary Matrix pencil. , 2009, , .		1
45	DOA estimation of ultra wideband signals using multiple constant beamwidth beamformers. , 2009, , .		1
46	DOA Estimation of MIMO Radar System Based on Cyclic Statistics. , 2012, , .		1
47	DOD-DOA-Polarization Estimation in Large MIMO Radar System Based on Random Matrix Theory. , 2015, , .		1
48	Target detection and RCS amplitude estimation in large-scale MIMO radar using free probability theory. , 2016, , .		1
49	Block Newtonised orthogonal matching pursuit for offâ€grid DOA estimation in the presence of unknown mutual coupling. IET Signal Processing, 2021, 15, 666.	1.5	1
50	Large Array DOA Estimation Based on Extreme Learning Machine and Random Matrix Theory. , 2020, , .		1
51	An improved approach for higher-order cyclostationarity based direction-finding of coherent sources using forward-backward linear prediction. , 0, , .		0
52	Azimuth and Elevation Estimation for Multipath Signals Exploiting Cyclostationarity and Temporal Smoothing Technology. , 0, , .		0
53	2-D VESPA Algorithm for Multiuser and Multipath DOA Estimation in DS-CDMA System. , 2008, , .		0
54	Node Localization Algorithm Based on Matrix Pencil for Wireless Sensor Network. , 2009, , .		0

#	Article	IF	Citations
55	Realization of the adaptive excitation control method with biped walking robot simulation system. , 2011, , .		0
56	A Fast and High-Resolution Multi-Target Localization Approach in MIMO Radar. International Journal of Advanced Robotic Systems, 2013, 10, 322.	2.1	0
57	Multi-target direction finding in MIMO radar exploiting nested array. , 2016, , .		0
58	Secure Transmission against Pilot Spoofing Attack: A Random Matrix Theory Based Scheme. , 2018, , .		0
59	Target Detection Based on Canonical Correlation Technique for Large Array MIMO Radar in Spatially Correlated Noise. , 2020, , .		0
60	Spectrally compatible multipleâ€input multipleâ€output radar waveform design based on alternating direction method of multipliers. IET Signal Processing, 0, , .	1.5	0