Wei Liu

List of Publications by Year
in descending order

346 papers	5,111 citations	117625 34 h-index	161849 54 g-index
350 all docs	350 docs citations	350 times ranked	2677 citing authors

#	ARTICLE	IF	CITATIONS
1	2-D DOA Estimation of Incoherently Distributed Sources Considering Gain-Phase Perturbations in Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2022, 21, 1143-1155.	9.2	14
2	Joint Design of Transmit Weight Sequence and Receive Filter for Improved Target Information Acquisition in High-Resolution Radar. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	3
3	Generalized â„"2â^'â„"p minimization based DOA estimation for sources with known waveforms in impulsive noise. Signal Processing, 2022, 190, 108313.	3.7	5
4	A Modified Radon Fourier Transform for GNSS-Based Bistatic Radar Target Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	14
5	Time-Domain Wideband DOA Estimation Under the Convolutional Sparse Coding Framework. IEEE Signal Processing Letters, 2022, 29, 274-278.	3.6	6
6	Phase Compensation-Based Localization of Mixed Far-Field and Near-Field Sources. IEEE Wireless Communications Letters, 2022, 11, 598-601.	5.0	6
7	Position-enabled complex Toeplitz LISTA for DOA estimation with unknow mutual coupling. Signal Processing, 2022, 194, 108422.	3.7	2
8	Monopulse based DOA and polarization estimation with polarization sensitive arrays. Signal Processing, 2022, 195, 108487.	3.7	2
9	Robust Multi-Beam Multiplexing Design Based on a Hybrid Beamforming Structure With Nearly Equal Magnitude Analogue Coefficients. IEEE Transactions on Vehicular Technology, 2022, 71, 5564-5569.	6.3	1
10	Proof of Concept of a Low-Cost Beam-Steering Hybrid Reflectarray that Mixes Microstrip and Lens Elements Using Passive Demonstrators. IEEE Communications Magazine, 2022, 60, 21-26.	6.1	2
11	A Multicomponent Temporal Coherence Model for 3-D Phase Unwrapping in Time-Series InSAR of Seasonal Deformation Areas. Remote Sensing, 2022, 14, 1080.	4.0	3
12	A Novel SAR Imaging Method Based on Morphological Component Analysis. IEEE Sensors Journal, 2022, 22, 13326-13337.	4.7	1
13	Directional Modulation Design Under a Given Symbol-Independent Magnitude Constraint for Secure IoT Networks. IEEE Internet of Things Journal, 2021, 8, 15140-15147.	8.7	9
14	Phase Inconsistency Error Compensation for Multichannel Spaceborne SAR Based on the Rotation-Invariant Property. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 301-305.	3.1	5
15	Study of the relationship between sound signals and behaviors of a sperm whale during the hunting process. Applied Acoustics, 2021, 174, 107745.	3.3	2
16	Advanced high-order nonlinear chirp scaling algorithm for high-resolution wide-swath spaceborne SAR. Chinese Journal of Aeronautics, 2021, 34, 563-575.	5.3	3
17	CramÃ©r-Rao Bound Analysis of Underdetermined Wideband DOA Estimation Under the Subband Model via Frequency Decomposition. IEEE Transactions on Signal Processing, 2021, 69, 4132-4148.	5.3	9
18	Non-Coherent DOA Estimation via Proximal Gradient Based on a Dual-Array Structure. IEEE Access, 2021, 9, 26792-26801.	4.2	8

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19	DOA Estimation With Nonuniform Moving Sampling Scheme Based on a Moving Platform. IEEE Signal Processing Letters, 2021, 28, 1714-1718.	3.6	6
20	Directional Modulation Design with aÂTransmission Power Constraint. Lecture Notes in Electrical Engineering, 2021, , 1048-1054.	0.4	0
21	Direction of Arrival Estimation Based on a Mixed Signal Transmission Model Employing a Linear Tripole Array. IEEE Access, 2021, 9, 47828-47841.	4.2	2
22	CramÃ©r-Rao Bound for DOA Estimation Exploiting Multiple Frequency Pairs. IEEE Signal Processing Letters, 2021, 28, 1210-1214.	3.6	5
23	An optical power ratio based approach to direction of arrival estimation of microwave signals with high dynamic frequency range. , 2021, , .		0
24	A Moving Target Velocity Estimation Method Based on the MC-MASA SAR Mode. Remote Sensing, 2021, 13, 1632.	4.0	2
25	Atomic Norm-Based DOA Estimation with Sum and Difference Co-arrays in Coexistence of Circular and Non-circular Signals. Circuits, Systems, and Signal Processing, 2021, 40, 5033-5053.	2.0	2
26	Photonic direction-of-arrival estimation based on compressive sensing. Applied Optics, 2021, 60, 3482.	1.8	6
27	Extended Cantor Arrays with Hole-Free Fourth-Order Difference Co-Arrays. , 2021, , .		8
28	Non-Coherent DOA Estimation of Off-Grid Signals With Uniform Circular Arrays. , 2021, , .		3
29	Noncircularity-based generalized shift invariance for estimation of angular parameters of incoherently distributed sources. Signal Processing, 2021, 183, 107989.	3.7	3
30	Antenna Selection for Multi-Beam Multiplexing Design Based on the Hybrid Beamforming Architecture. , 2021, , .		3
31	Scalloping Suppression for ScanSAR Images Based on Modified Kalman Filter With Preprocessing. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7535-7546.	6.3	6
32	A Nonlocal Noise Reduction Method Based on Fringe Frequency Compensation for SAR Interferogram. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9756-9767.	4.9	7
33	A Novel Fast Resonance Frequency Tracking Method Based on the Admittance Circle for Ultrasonic Transducers. IEEE Transactions on Industrial Electronics, 2020, 67, 6864-6873.	7.9	27
34	DOA estimation with known waveforms in the presence of unknown time delays and Doppler shifts. Signal Processing, 2020, 166, 107232.	3.7	6
35	A High-Tolerance Matching Method Against Load Fluctuation for Ultrasonic Transducers. IEEE Transactions on Power Electronics, 2020, 35, 1147-1155.	7.9	25
36	Directional modulation design under maximum and minimum magnitude constraints for weight coefficients. Ad Hoc Networks, 2020, 98, 102034.	5.5	8

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37	Augmented Quaternion ESPRIT-Type DOA Estimation With a Crossed-Dipole Array. IEEE Communications Letters, 2020, 24, 548-552.	4.1	37
38	Fast and Accurate Range-Doppler Estimation in Multi-Target Wideband Automotive FMCW Radar. , 2020, , .		1
39	A Review of Closed-Form Cramér-Rao Bounds for DOA Estimation in the Presence of Gaussian Noise Under a Unified Framework. IEEE Access, 2020, 8, 175101-175124.	4.2	24
40	Synthesis and Modification of Cetacean Tonal Sounds for Underwater Bionic Covert Detection and Communication. IEEE Access, 2020, 8, 119980-119994.	4.2	10
41	Multi-Beam Multiplexing Design for Arbitrary Directions Based on the Interleaved Subarray Architecture. IEEE Transactions on Vehicular Technology, 2020, 69, 11220-11232.	6.3	13
42	Two-Dimensional Angular Parameter Estimation for Noncircular Incoherently Distributed Sources Based on an L-Shaped Array. IEEE Sensors Journal, 2020, 20, 13704-13715.	4.7	17
43	Underdetermined Low-Complexity Wideband DOA Estimation with Uniform Linear Arrays. , 2020, , .		5
44	DOA Estimation for Coexistence of Circular and Non-Circular Signals Based on Atomic Norm Minimization. , 2020, , .		3
45	A Unified Approach for Target Direction Finding Based on Convolutional Neural Networks. , 2020, , .		1
46	Sparse Antenna Array Based Positional Modulation Design With a Low-Complexity Metasurface. IEEE Access, 2020, 8, 177640-177646.	4.2	6
47	Dual-Beam Multiplexing Under an Equal Magnitude Constraint Based on a Hybrid Beamforming Structure. , 2020, , .		1
48	Let There Be a Beam: Highlights From the 2020 IEEE Five-Minute Video Clip Contest [SP Competitions]. IEEE Signal Processing Magazine, 2020, 37, 157-162.	5.6	1
49	An Improved Airborne Multichannel SAR Imaging Method With Motion Compensation and Range-Variant Channel Mismatch Correction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5414-5423.	4.9	8
50	An Interferometric Phase Noise Reduction Method Based on Modified Denoising Convolutional Neural Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4947-4959.	4.9	12
51	Stochastic Cramer-Rao Bound for DOA Estimation With a Mixture of Circular and Noncircular Signals. IEEE Access, 2020, 8, 226370-226379.	4.2	3
52	A MUSIC-Type DOA Estimation Method Based on Sparse Arrays for a Mixture of Circular and Non-Circular Signals. , 2020, , .		2
53	Moving Target Detection in Multi-Static GNSS-Based Passive Radar Based on Multi-Bernoulli Filter. Remote Sensing, 2020, 12, 3495.	4.0	8
54	Joint DOA and Polarization Estimation With Crossed-Dipole and Tripole Sensor Arrays. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4965-4973.	4.7	20

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55	Metasurface Based Positional Modulation Design. IEEE Access, 2020, 8, 113807-113813.	4.2	8
56	Camouflage Covert Communication in Air by Imitating Cricketâ€™s Sound. IEEE Access, 2020, 8, 71840-71850.	4.2	2
57	A general ESPRIT method for noncircularity-based incoherently distributed sources. , 2020, , .		1
58	High-Resolution Radar Waveform Design Based on Target Information Maximization. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3577-3587.	4.7	8
59	Polarization Parameters Estimation with Scalar Sensor Arrays. , 2020, , .		1
60	Symbol-independent weight magnitude design for antenna array based directional modulation. Ad Hoc Networks, 2020, 101, 102097.	5.5	6
61	On the CramÃ©r-Rao Bound and the Number of Resolvable Sources in the Presence of Nonuniform Noise for Underdetermined DOA Estimation. , 2020, , .		1
62	A Derivative-Based MUSIC Algorithm for Two-Dimensional Angle Estimation Employing an L-Shaped Array. , 2020, , .		0
63	Sparse Planar Antenna Array Design for Directional Modulation. Lecture Notes in Electrical Engineering, 2020, , 503-511.	0.4	0
64	Group Sparsity Based Localization for Far-Field and Near-Field Sources Based on Distributed Sensor Array Networks. IEEE Transactions on Signal Processing, 2020, 68, 6493-6508.	5.3	19
65	A Fast Group Sparsity Based Phase Retrieval Algorithm for Non-Coherent DOA Estimation. , 2020, , .		1
66	Positional Modulation Design Based on Multiple Phased Antenna Arrays. IEEE Access, 2019, 7, 33898-33905.	4.2	14
67	Low Complexity DOA Estimation for Wideband Off-Grid Sources Based on Re-Focused Compressive Sensing With Dynamic Dictionary. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 918-930.	10.8	29
68	An effective localization method for mixed far-field and near-field strictly non-circular sources. , 2019, 94, 125-136.		12
69	Azimuth Sidelobes Suppression Using Multi-Azimuth Angle Synthetic Aperture Radar Images. Sensors, 2019, 19, 2764.	3.8	11
70	Joint DOA, Range, and Polarization Estimation for Rectilinear Sources With a COLD Array. IEEE Wireless Communications Letters, 2019, 8, 1398-1401.	5.0	59
71	Squint Mode GEO SAR Imaging Using Bulk Range Walk Correction on Received Signals. Remote Sensing, 2019, 11, 17.	4.0	11
72	A NOVEL IMAGE FORMATION METHOD FOR ELECTROMAGNETIC VORTEX SAR WITH ORBITAL-ANGULAR-MOMENTUM. Progress in Electromagnetics Research M, 2019, 82, 129-137.	0.9	0

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73	Scaling Transform Based Information Geometry Method for DOA Estimation. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3640-3650.	4.7	11
74	An Improved Stanford Method for Persistent Scatterers Applied to 3D Building Reconstruction and Monitoring. Remote Sensing, 2019, 11, 1807.	4.0	4
75	RARE-based localization for mixed near-field and far-field rectilinear sources. , 2019, 85, 54-61.		51
76	Mixed rectilinear sources localization under unknown mutual coupling. Journal of the Franklin Institute, 2019, 356, 2372-2394.	3.4	21
77	Simplified and Enhanced Multiple Level Nested Arrays Exploiting High-Order Difference Co-Arrays. IEEE Transactions on Signal Processing, 2019, 67, 3502-3515.	5.3	52
78	Modeling and Experimental Testing of an Unmanned Surface Vehicle with Rudderless Double Thrusters. Sensors, 2019, 19, 2051.	3.8	33
79	Multi-Carrier Waveform Design for Directional Modulation Under Peak to Average Power Ratio Constraint. IEEE Access, 2019, 7, 37528-37535.	4.2	12
80	Unwrapped Phase Estimation via Normalized Probability Density Function for Multibaseline InSAR. IEEE Access, 2019, 7, 4979-4988.	4.2	10
81	Orthogonally Polarized Dual-Channel Directional Modulation Based on Crossed-Dipole Arrays. IEEE Access, 2019, 7, 34198-34206.	4.2	15
82	Multipath Smearing Suppression for Synthetic Aperture Radar Images of Harbor Scenes. IEEE Access, 2019, 7, 20150-20162.	4.2	2
83	Thinned Coprime Array for Second-Order Difference Co-Array Generation With Reduced Mutual Coupling. IEEE Transactions on Signal Processing, 2019, 67, 2052-2065.	5.3	121
84	Whistle detection and classification for whales based on convolutional neural networks. Applied Acoustics, 2019, 150, 169-178.	3.3	59
85	Carrier Phase Recovery for Array Navigation Receiver: A Fast Phase Retrieval Approach. IEEE Access, 2019, 7, 179385-179395.	4.2	2
86	Tropospheric Delay Correction Based on a Three-Dimensional Joint Model for InSAR. Remote Sensing, 2019, 11, 2542.	4.0	1
87	An Imaging Algorithm for Spaceborne High-Squint <i>L</i>-Band SAR Based on Time-Domain Rotation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 5289-5299.	4.9	4
88	CramÃ©r-Rao Bound for Wideband DOA Estimation with Uncorrelated Sources. , 2019, , .		5
89	Group Sparsity Based Target Localization for Distributed Sensor Array Networks. , 2019, , .		4
90	Direction Finding for a Mixture of Single-Transmission and Dual-Transmission Signals. , 2019, , .		1

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91	Iterative Transceiver Beamforming of Distributed Relay Networks in Cognitive Radio Networks. , 2019, , .		0
92	An Imaging Method For Co-Prime-Sampling Spaceborne SAR. , 2019, , .		0
93	Directional Modulation Design Under a Constant Magnitude Constraint for Weight Coefficients. IEEE Access, 2019, 7, 154711-154718.	4.2	10
94	Non-Coherent DOA Estimation Based on a Dual-Array Structure Without Reference Signals. , 2019, , .		6
95	Two-Beam Multiplexing with Inter-Subarray Coding for Arbitrary Directions Based on Interleaved Subarray Architectures. , 2019, , .		3
96	Study of the relationship between pilot whale (Globicephala melas) behaviour and the ambiguity function of its sounds. Applied Acoustics, 2019, 146, 31-37.	3.3	13
97	An Efficient Imaging Algorithm for GNSS-R Bi-Static SAR. Remote Sensing, 2019, 11, 2945.	4.0	12
98	Source analysis in motor imagery EEG BCI applications. , 2019, , 117-140.		0
99	Sparse array extension for non-circular signals with subspace and compressive sensing based DOA estimation methods. Signal Processing, 2018, 145, 59-67.	3.7	33
100	Three–dimensional millimetre–wave beam tracking based on smart phone sensor measurements and direction of arrival/time of arrival estimation for 5G networks. IET Microwaves, Antennas and Propagation, 2018, 12, 271-279.	1.4	8
101	Minimum sensitivity based robust beamforming with eigenspace decomposition. Multidimensional Systems and Signal Processing, 2018, 29, 687-701.	2.6	9
102	Displaced Thinned Coprime Arrays with an Additional Sensor for DOA Estimation. , 2018, , .		0
103	Revisit of the eigenfilter method for the design of FIR filters and wideband beamformers. Systems Science and Control Engineering, 2018, 6, 482-491.	3.1	1
104	An Efficient Data-Driven False Data Injection Attack in Smart Grids. , 2018, , .		6
105	Ship Classification and Detection Based on CNN Using GF-3 SAR Images. Remote Sensing, 2018, 10, 2043.	4.0	70
106	Joint Adaptive Beamforming Based on Distributed Moving Platforms. , 2018, , .		0
107	Joint DOA and Range Estimation for Mixed Near-Field and Far-Field Strictly Noncircular Sources. , 2018, , .		1
108	A Structure-Aware DOA Estimation Method for Sources With Short Known Waveforms. IEEE Access, 2018, 6, 71271-71278.	4.2	3

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109	Antenna Array Based Positional Modulation with a Two-Ray Multi-Path Model. , 2018, , .		7
110	An Undersampled Phase Retrieval Algorithm via Gradient Iteration. , 2018, , .		1
111	Directional Modulation Design Based on Crossed-Dipole Arrays for Two Signals With Orthogonal Polarisations. , 2018, , .		4
112	Noncircularity-Based Localization for Mixed Near-Field and Far-Field Sources with Unknown Mutual Coupling. , 2018, , .		10
113	Adaptive Beamforming for Target Detection and Surveillance Based on Distributed Unmanned Aerial Vehicle Platforms. IEEE Access, 2018, 6, 60812-60823.	4.2	7
114	Speckle Noise Suppression in SAR Images Using a Three-Step Algorithm. Sensors, 2018, 18, 3643.	3.8	11
115	Deceptive Jamming Detection for SAR Based on Cross-Track Interferometry. Sensors, 2018, 18, 2265.	3.8	13
116	Disguised Bionic Sonar Signal Waveform Design with Its Possible Camouflage Application Strategy for Underwater Sensor Platforms. IEEE Sensors Journal, 2018, , 1-1.	4.7	6
117	2-D Coherent Integration Processing and Detecting of Aircrafts Using GNSS-Based Passive Radar. Remote Sensing, 2018, 10, 1164.	4.0	19
118	Joint Design of Space-Time Transmit and Receive Weights for Colocated MIMO Radar. Sensors, 2018, 18, 2722.	3.8	4
119	A Fast Gradient-Based Iterative Algorithm for Undersampled Phase Retrieval. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2086-2090.	4.7	2
120	Robust DOA Estimation for Sources With Known Waveforms Against Doppler Shifts via Oblique Projection. IEEE Sensors Journal, 2018, 18, 6735-6742.	4.7	10
121	A novel statistical model for differential synthetic aperture radar tomography. Measurement Science and Technology, 2018, 29, 095404.	2.6	0
122	A Game Player Expertise Level Classification System Using Electroencephalography (EEG). Applied Sciences (Switzerland), 2018, 8, 18.	2.5	28
123	An improved expanding and shift scheme for the construction of fourth-order difference co-arrays. Signal Processing, 2018, 153, 95-100.	3.7	9
124	Realistic Lower Bound on Elevation Estimation for Tomographic SAR. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2429-2439.	4.9	9
125	Multiâ€carrier based phased antenna array design for directional modulation. IET Microwaves, Antennas and Propagation, 2018, 12, 765-772.	1.4	16
126	White noise reduction for wideband linear array signal processing. IET Signal Processing, 2018, 12, 335-345.	1.5	6

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127	Quaternion-valued single-phase model for three-phase power system. Journal of Electrical Engineering, 2018, 69, 183-186.	0.7	1
128	Location and Orientation Optimization for Spatially Stretched Tripole Arrays Based on Compressive Sensing. IEEE Transactions on Signal Processing, 2017, 65, 2411-2420.	5.3	8
129	2-D DOA Estimation for L-Shaped Array With Array Aperture and Snapshots Extension Techniques. IEEE Signal Processing Letters, 2017, 24, 495-499.	3.6	57
130	An Expanding and Shift Scheme for Constructing Fourth-Order Difference Coarrays. IEEE Signal Processing Letters, 2017, 24, 480-484.	3.6	33
131	ESPRIT-like two-dimensional direction finding for mixed circular and strictly noncircular sources based on joint diagonalization. Signal Processing, 2017, 141, 48-56.	3.7	69
132	Joint diagonalization based 2D DOA estimation for mixed circular and strictly noncircular sources. , 2017, , .		3
133	Focused Compressive Sensing for Underdetermined Wideband DOA Estimation Exploiting High-Order Difference Coarrays. IEEE Signal Processing Letters, 2017, 24, 86-90.	3.6	35
134	Accurate Reconstruction and Suppression for Azimuth Ambiguities in Spaceborne Stripmap SAR Images. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 102-106.	3.1	19
135	Moving Target Azimuth Velocity Estimation for the MASA Mode Based on Sequential SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2780-2790.	4.9	16
136	Effective estimation of the desired-signal subspace and its application to robust adaptive beamforming. , 2017, , .		2
137	Compressive sensing based sparse antenna array design for directional modulation. IET Microwaves, Antennas and Propagation, 2017, 11, 634-641.	1.4	21
138	Underdetermined wideband DOA estimation of off-grid sources employing the difference co-array concept. Signal Processing, 2017, 130, 299-304.	3.7	113
139	Channel equalization and beamforming for quaternion-valued wireless communication systems. Journal of the Franklin Institute, 2017, 354, 8721-8733.	3.4	20
140	Robust Iterative Transceiver Beamforming for Multipair Two-Way Distributed Relay Networks. IEEE Access, 2017, 5, 24656-24667.	4.2	2
141	Joint 4-D DOA and polarization estimation based on linear tripole arrays. , 2017, , .		7
142	Fully three-dimensional UAV SAR imaging with multi-azimuth-angle observation. , 2017, , .		2
143	Effective Block Sparse Representation Algorithm for DOA Estimation With Unknown Mutual Coupling. IEEE Communications Letters, 2017, 21, 2622-2625.	4.1	47
144	A sparse representation based DOA estimation algorithm for a mixture of circular and noncircular signals using sparse arrays. , 2017, , .		0

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145	Performance improvement for wideband beamforming with white noise reduction based on sparse arrays. , 2017, , .		2
146	Spaceborne SAR attitude steering method for smart imaging mode. Electronics Letters, 2017, 53, 428-430.	1.0	1
147	White noise reduction for wideband beamforming based on uniform rectangular arrays. , 2017, , .		0
148	A distributed iterative transceiver beamforming algorithm for multipair two-way relay networks. , 2017, , .		0
149	Improving SSVEP-BCI performance using pre-trial normalization methods. , 2017, , .		1
150	A Modified Three-Step Algorithm for TOPS and Sliding Spotlight SAR Data Processing. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6910-6921.	6.3	25
151	Approximate Gaussian conjugacy: parametric recursive filtering under nonlinearity, multimodality, uncertainty, and constraint, and beyond. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 1913-1939.	2.6	58
152	Thinned coprime arrays for DOA estimation. , 2017, , .		19
153	High-Temporal-Resolution High-Spatial-Resolution Spaceborne SAR Based on Continuously Varying PRF. Sensors, 2017, 17, 1700.	3.8	14
154	Fully Quaternion-Valued Adaptive Beamforming Based on Crossed-Dipole Arrays. Electronics (Switzerland), 2017, 6, 34.	3.1	7
155	Study of wind profile prediction with a combination of signal processing and computational fluid dynamics. , 2017, , .		1
156	Time‑variant TEC estimation with fully polarimetric GEO‑SAR data. Electronics Letters, 2017, 53, 1606-1608.	1.0	1
157	Density-based Outlier Detection by Local Outlier Factor on Largescale Traffic Data. IS&T International Symposium on Electronic Imaging, 2016, 28, 1-4.	0.4	17
158	Recent Advances in Design and Signal Processing for Antenna Arrays. International Journal of Antennas and Propagation, 2016, 2016, 1-2.	1.2	1
159	Improved Goldstein Interferogram Filter Based on Local Fringe Frequency Estimation. Sensors, 2016, 16, 1976.	3.8	25
160	A Novel General Imaging Formation Algorithm for GNSS-Based Bistatic SAR. Sensors, 2016, 16, 294.	3.8	20
161	A Wide-Swath Spaceborne TOPS SAR Image Formation Algorithm Based on Chirp Scaling and Chirp-Z Transform. Sensors, 2016, 16, 2095.	3.8	7
162	Properties of a general quaternion-valued gradient operator and its applications to signal processing. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 83-95.	2.6	16

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163	Iteratively reweighted optimum linear regression in the presence of generalized Gaussian noise. , 2016, , .		1
164	Regularized LAD algorithms for sparse time-varying system identification with outliers. , 2016, , .		0
165	Anomaly Detection for Quaternion-Valued Traffic Signals. , 2016, , .		1
166	Iterative transceiver beamformer design for multi-pair two-way distributed relay networks. , 2016, , .		2
167	Underdetermined DOA Estimation Under the Compressive Sensing Framework: A Review. IEEE Access, 2016, 4, 8865-8878.	4.2	139
168	Three-Dimensional Millimetre Wave Beam Tracking Based on Handset MEMS Sensors with Extended Kalman Filtering. , 2016, , .		0
169	Sparse antenna array design for directional modulation. , 2016, , .		3
170	A Novel Imaging Algorithm for Focusing High-Resolution Spaceborne SAR Data in Squinted Sliding-Spotlight Mode. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1577-1581.	3.1	26
171	Extension of nested arrays with the fourth-order difference co-array enhancement. , 2016, , .		26
172	Performance improvement for wideband DOA estimation with white noise reduction based on uniform linear arrays. , 2016, , .		4
173	Critical analysis of the eigenfilter method for the design of FIR filters and wideband beamformers. , 2016, , .		1
174	Optimised limit for polarimetric calibration of fully polarised SAR systems. Electronics Letters, 2016, 52, 763-764.	1.0	1
175	Filtering and tracking with trinion-valued adaptive algorithms. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 834-840.	2.6	4
176	An efficient compressive sensing based PS-DInSAR method for surface deformation estimation. Measurement Science and Technology, 2016, 27, 114001.	2.6	0
177	CANDECOMP/PARAFAC decomposition based multi-dimensional nonuniform harmonic retrieval. , 2016, , .		1
178	Efficient Two-Dimensional Direction-of-Arrival Estimation for a Mixture of Circular and Noncircular Sources. IEEE Sensors Journal, 2016, 16, 2527-2536.	4.7	72
179	Interference-plus-Noise Covariance Matrix Reconstruction via Spatial Power Spectrum Sampling for Robust Adaptive Beamforming. IEEE Signal Processing Letters, 2016, 23, 121-125.	3.6	116
180	Extension of Co-Prime Arrays Based on the Fourth-Order Difference Co-Array Concept. IEEE Signal Processing Letters, 2016, 23, 615-619.	3.6	142

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181	Adaptive Beamforming for Vector-Sensor Arrays Based on a Reweighted Zero-Attracting Quaternion-Valued LMS Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 274-278.	3.0	33
182	Feature extraction for BCIs based on electromagnetic source localization and multiclass Filter Bank Common Spatial Patterns. , 2015, 2015, 1773-6.		4
183	Highâ€resolution synthetic aperture radar based on the IEEE 802.11 protocol. Electronics Letters, 2015, 51, 1815-1817.	1.0	4
184	An efficient interpolation based two-step time delay estimation method. , 2015, , .		2
185	An improved imaging algorithm for spaceborne MAPs sliding spotlight SAR with high-resolution wide-swath capability. Chinese Journal of Aeronautics, 2015, 28, 1178-1188.	5.3	3
186	A Synthetic Bandwidth Method for High-Resolution SAR Based on PGA in the Range Dimension. Sensors, 2015, 15, 15339-15362.	3.8	15
187	Compressive Sensing Based Design of Sparse Tripole Arrays. Sensors, 2015, 15, 31056-31068.	3.8	11
188	Design of Fixed Beamformers Based on Vector-Sensor Arrays. International Journal of Antennas and Propagation, 2015, 2015, 1-9.	1.2	14
189	Source Localization for Brain-Computer Interfaces. Intelligent Systems Reference Library, 2015, , 125-153.	1.2	1
190	Wideband DOA estimation for uniform linear arrays based on the co-array concept. , 2015, , .		8
191	Reduced Complexity MIMO Receiver with Real-Valued Beamforming. , 2015, , .		5
192	A novel adaptive beamforming technique for large-scale arrays. , 2015, , .		7
193	Filter-and-forward distributed relay beamforming for cognitive radio systems. , 2015, , .		1
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