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	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
2	Underdetermined DOA Estimation Under the Compressive Sensing Framework: A Review. IEEE Access, 2016, 4, 8865-8878.	4.2	139
3	Low-Complexity Direction-of-Arrival Estimation Based on Wideband Co-Prime Arrays. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1445-1456.	5.8	127
4	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
5	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
6	Underdetermined wideband DOA estimation of off-grid sources employing the difference co-array concept. Signal Processing, 2017, 130, 299-304.	3.7	113
7	Design of Frequency Invariant Beamformers for Broadband Arrays. IEEE Transactions on Signal Processing, 2008, 56, 855-860.	5.3	90
8	A High-Order Imaging Algorithm for High-Resolution Spaceborne SAR Based on a Modified Equivalent Squint Range Model. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1225-1235.	6.3	78
9	Low-Complexity Distributed Beamforming for Relay Networks With Real-Valued Implementation. IEEE Transactions on Signal Processing, 2013, 61, 5039-5048.	5.3	77
10	SINR Analysis of the Subtraction-Based SMI Beamformer. IEEE Transactions on Signal Processing, 2010, 58, 5926-5932.	5.3	73
11	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
12	Performance Analysis for Finite Sample MVDR Beamformer With Forward Backward Processing. IEEE Transactions on Signal Processing, 2011, 59, 2427-2431.	5.3	71
13	Ship Classification and Detection Based on CNN Using GF-3 SAR Images. Remote Sensing, 2018, 10, 2043.	4.0	70
14	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
15	Adaptive Wideband Beamforming With Frequency Invariance Constraints. IEEE Transactions on Antennas and Propagation, 2011, 59, 1175-1184.	5.1	65
16	Joint DOA, Range, and Polarization Estimation for Rectilinear Sources With a COLD Array. IEEE Wireless Communications Letters, 2019, 8, 1398-1401.	5.0	59
17	Whistle detection and classification for whales based on convolutional neural networks. Applied Acoustics, 2019, 150, 169-178.	3.3	59
18	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

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19	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
20	Sparse Array Design for Wideband Beamforming With Reduced Complexity in Tapped Delay-Lines. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1236-1247.	5.8	56
21	Compressive sensing–based approach to the design of linear robust sparse antenna arrays with physical size constraint. IET Microwaves, Antennas and Propagation, 2014, 8, 736-746.	1.4	52
22	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
23	Distance-based k-nearest neighbors outlier detection method in large-scale traffic data. , 2015, , .		51
24	RARE-based localization for mixed near-field and far-field rectilinear sources. , 2019, 85, 54-61.		51
25	A normalised kurtosis-based algorithm for blind source extraction from noisy measurements. Signal Processing, 2006, 86, 1580-1585.	3.7	49
26	Application of the least squares approach to fixed beamformer design with frequency-invariant constraints. IET Signal Processing, 2011, 5, 281.	1.5	49
27	Joint Transmission and Reception Diversity Smoothing for Direction Finding of Coherent Targets in MIMO Radar. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 115-124.	10.8	47
28	Effective Block Sparse Representation Algorithm for DOA Estimation With Unknown Mutual Coupling. IEEE Communications Letters, 2017, 21, 2622-2625.	4.1	47
29	Frequency invariant beamforming for two-dimensional and three-dimensional arrays. Signal Processing, 2007, 87, 2535-2543.	3.7	45
30	Multiplierless perfect reconstruction modulated filter banks with sum-of-powers-of-two coefficients. IEEE Signal Processing Letters, 2001, 8, 163-166.	3.6	41
31	Analysis and Online Realization of the CCA Approach for Blind Source Separation. IEEE Transactions on Neural Networks, 2007, 18, 1505-1510.	4.2	41
32	Blind Second-Order Source Extraction of Instantaneous Noisy Mixtures. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 931-935.	2.2	40
33	Direction finding and mutual coupling estimation for uniform rectangular arrays. Signal Processing, 2015, 117, 61-68.	3.7	39
34	Adaptive wideband beamforming with sensor delay-lines. Signal Processing, 2009, 89, 876-882.	3.7	38
35	A Class of Constrained Adaptive Beamforming Algorithms Based on Uniform Linear Arrays. IEEE Transactions on Signal Processing, 2010, 58, 3916-3922.	5.3	38
36	Augmented Quaternion ESPRIT-Type DOA Estimation With a Crossed-Dipole Array. IEEE Communications Letters, 2020, 24, 548-552.	4.1	37

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37	A Subband-Selective Broadband GSC With Cosine-Modulated Blocking Matrix. IEEE Transactions on Antennas and Propagation, 2004, 52, 813-820.	5.1	35
38	Location Optimization of Robust Sparse Antenna Arrays With Physical Size Constraint. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1303-1306.	4.0	35
39	Focused Compressive Sensing for Underdetermined Wideband DOA Estimation Exploiting High-Order Difference Coarrays. IEEE Signal Processing Letters, 2017, 24, 86-90.	3.6	35
40	Quaternion-valued robust adaptive beamformer for electromagnetic vector-sensor arrays with worst-case constraint. Signal Processing, 2014, 104, 274-283.	3.7	34
41	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
42	An Expanding and Shift Scheme for Constructing Fourth-Order Difference Coarrays. IEEE Signal Processing Letters, 2017, 24, 480-484.	3.6	33
43	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
44	Modeling and Experimental Testing of an Unmanned Surface Vehicle with Rudderless Double Thrusters. Sensors, 2019, 19, 2051.	3.8	33
45	Blind source extraction based on a linear predictor. IET Signal Processing, 2007, 1, 29-34.	1.5	30
46	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
47	A Game Player Expertise Level Classification System Using Electroencephalography (EEG). Applied Sciences (Switzerland), 2018, 8, 18.	2.5	28
48	Computationally efficient 2-D DOA estimation for uniform rectangular arrays. Multidimensional Systems and Signal Processing, 2014, 25, 847-857.	2.6	27
49	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
50	Subband design of fixed wideband beamformers based on the least squares approach. Signal Processing, 2011, 91, 1060-1065.	3.7	26
51	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
52	Extension of nested arrays with the fourth-order difference co-array enhancement. , 2016, , .		26
53	Robust beamforming for coherent signals based on the spatial-smoothing technique. Signal Processing, 2012, 92, 2747-2758.	3.7	25
54	Improved Goldstein Interferogram Filter Based on Local Fringe Frequency Estimation. Sensors, 2016, 16, 1976.	3.8	25

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55	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
56	A High-Tolerance Matching Method Against Load Fluctuation for Ultrasonic Transducers. IEEE Transactions on Power Electronics, 2020, 35, 1147-1155.	7.9	25
57	Design and multiplier-less implementation of a class of two-channel PR FIR filterbanks and wavelets with low system delay. IEEE Transactions on Signal Processing, 2000, 48, 3379-3394.	5.3	24
58	Design and Analysis of Broadband Beamspace Adaptive Arrays. IEEE Transactions on Antennas and Propagation, 2007, 55, 3413-3420.	5.1	24
59	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
60	Adaptive Beamforming with Real-Valued Coefficients Based on Uniform Linear Arrays. IEEE Transactions on Antennas and Propagation, 2011, 59, 1047-1053.	5.1	23
61	Design of Frequency Invariant Beamformer Without Temporal Filtering. IEEE Transactions on Signal Processing, 2009, 57, 798-802.	5.3	21
62	Compressive sensing based sparse antenna array design for directional modulation. IET Microwaves, Antennas and Propagation, 2017, 11, 634-641.	1.4	21
63	Mixed rectilinear sources localization under unknown mutual coupling. Journal of the Franklin Institute, 2019, 356, 2372-2394.	3.4	21
64	Blind source extraction: Standard approaches and extensions to noisy and post-nonlinear mixing. Neurocomputing, 2008, 71, 2344-2355.	5.9	20
65	A class of constant modulus algorithms for uniform linear arrays with a conjugate symmetric constraint. Signal Processing, 2010, 90, 2760-2765.	3.7	20
66	Robust sparse antenna array design via compressive sensing. , 2013, , .		20
67	A Novel General Imaging Formation Algorithm for GNSS-Based Bistatic SAR. Sensors, 2016, 16, 294.	3.8	20
68	Channel equalization and beamforming for quaternion-valued wireless communication systems. Journal of the Franklin Institute, 2017, 354, 8721-8733.	3.4	20
69	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
70	Robust beamforming methods for multipath signal reception. , 2010, 20, 379-390.		19
71	Robust Wideband Beamforming With Frequency Response Variation Constraint Subject to Arbitrary Norm-Bounded Error. IEEE Transactions on Antennas and Propagation, 2012, 60, 2566-2571.	5.1	19
72	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

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73	Thinned coprime arrays for DOA estimation. , 2017, , .		19
74	2-D Coherent Integration Processing and Detecting of Aircrafts Using GNSS-Based Passive Radar. Remote Sensing, 2018, 10, 1164.	4.0	19
75	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
76	An Adaptive Wideband Beamforming Structure With Combined Subband Decomposition. IEEE Transactions on Antennas and Propagation, 2009, 57, 2204-2207.	5.1	18
77	Performance analysis of an adaptive broadband beamformer based on a two-element linear array with sensor delay-line processing. Signal Processing, 2010, 90, 269-281.	3.7	18
78	A general quaternion-valued gradient operator and its applications to computational fluid dynamics and adaptive beamforming. , 2014, , .		18
79	A class of diagonally loaded robust Capon beamformers for noncircular signals of interest. Signal Processing, 2014, 94, 670-680.	3.7	18
80	Robust Fixed Frequency Invariant Beamformer Design Subject to Norm-Bounded Errors. IEEE Signal Processing Letters, 2013, 20, 169-172.	3.6	17
81	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
82	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
83	Robust forward backward based beamformer for a general-rank signal model with real-valued implementation. Signal Processing, 2012, 92, 163-169.	3.7	16
84	Group sparsity based wideband DOA estimation for co-prime arrays. , 2014, , .		16
85	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
86	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
87	Multiâ€carrier based phased antenna array design for directional modulation. IET Microwaves, Antennas and Propagation, 2018, 12, 765-772.	1.4	16
88	A Class of Novel Blind Source Extraction Algorithms Based on A Linear Predictor. , 0, , .		15
89	A Synthetic Bandwidth Method for High-Resolution SAR Based on PGA in the Range Dimension. Sensors, 2015, 15, 15339-15362.	3.8	15
90	Adaptive Distributed Beamforming for Relay Networks Based on Local Channel State Information. IEEE Transactions on Signal and Information Processing Over Networks, 2015, 1, 117-128.	2.8	15

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91	Analysis of the Effect of Interference on InSAR. IEEE Sensors Journal, 2015, 15, 5659-5668.	4.7	15
92	Adaptive tensorial beamformer based on electromagnetic vector-sensor arrays with coherent interferences. Multidimensional Systems and Signal Processing, 2015, 26, 803-821.	2.6	15
93	Orthogonally Polarized Dual-Channel Directional Modulation Based on Crossed-Dipole Arrays. IEEE Access, 2019, 7, 34198-34206.	4.2	15
94	Subband adaptive generalized sidelobe canceller for broadband beamforming. , 0, , .		14
95	New class of broadband arrays with frequency invariant beam patterns. , 0, , .		14
96	Novel robust beamformers for coherent interference suppression with direction-of-arrival estimation errors. IET Microwaves, Antennas and Propagation, 2010, 4, 1310.	1.4	14
97	Sparse microphone array design for wideband beamforming. , 2013, , .		14
98	Low-complexity compressive sensing based DOA estimation for co-prime arrays. , 2014, , .		14
99	Design of Fixed Beamformers Based on Vector-Sensor Arrays. International Journal of Antennas and Propagation, 2015, 2015, 1-9.	1.2	14
100	High-Temporal-Resolution High-Spatial-Resolution Spaceborne SAR Based on Continuously Varying PRF. Sensors, 2017, 17, 1700.	3.8	14
101	Positional Modulation Design Based on Multiple Phased Antenna Arrays. IEEE Access, 2019, 7, 33898-33905.	4.2	14
102	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
103	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
104	Deceptive Jamming Detection for SAR Based on Cross-Track Interferometry. Sensors, 2018, 18, 2265.	3.8	13
105	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
106	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
107	Modified Omega-k Algorithm for High-Speed Platform Highly-Squint Staggered SAR Based on Azimuth Non-Uniform Interpolation. Sensors, 2015, 15, 3750-3765.	3.8	12
108	An effective localization method for mixed far-field and near-field strictly non-circular sources. , 2019, 94, 125-136.		12

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109	Multi-Carrier Waveform Design for Directional Modulation Under Peak to Average Power Ratio Constraint. IEEE Access, 2019, 7, 37528-37535.	4.2	12
110	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
111	An Efficient Imaging Algorithm for GNSS-R Bi-Static SAR. Remote Sensing, 2019, 11, 2945.	4.0	12
112	A generalized sidelobe canceller employing two-dimensional frequency Invariant filters. IEEE Transactions on Antennas and Propagation, 2005, 53, 2339-2343.	5.1	11
113	Adaptive Broadband Beamforming with Spatial-Only Information. , 2007, , .		11
114	Compressive Sensing Based Design of Sparse Tripole Arrays. Sensors, 2015, 15, 31056-31068.	3.8	11
115	Speckle Noise Suppression in SAR Images Using a Three-Step Algorithm. Sensors, 2018, 18, 3643.	3.8	11
116	Azimuth Sidelobes Suppression Using Multi-Azimuth Angle Synthetic Aperture Radar Images. Sensors, 2019, 19, 2764.	3.8	11
117	Squint Mode GEO SAR Imaging Using Bulk Range Walk Correction on Received Signals. Remote Sensing, 2019, 11, 17.	4.0	11
118	Scaling Transform Based Information Geometry Method for DOA Estimation. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3640-3650.	4.7	11
119	Efficient design of frequency invariant beamformers with sensor delay-lines. , 2008, , .		10
120	Frequency-domain quaternion-valued adaptive filtering and its application to wind profile prediction. , 2013, , .		10
121	Research of 3-D deceptive interfering method for single-pass spaceborne InSAR. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2834-2846.	4.7	10
122	Noncircularity-Based Localization for Mixed Near-Field and Far-Field Sources with Unknown Mutual Coupling. , 2018, , .		10
123	Robust DOA Estimation for Sources With Known Waveforms Against Doppler Shifts via Oblique Projection. IEEE Sensors Journal, 2018, 18, 6735-6742.	4.7	10
124	Unwrapped Phase Estimation via Normalized Probability Density Function for Multibaseline InSAR. IEEE Access, 2019, 7, 4979-4988.	4.2	10
125	Directional Modulation Design Under a Constant Magnitude Constraint for Weight Coefficients. IEEE Access, 2019, 7, 154711-154718.	4.2	10
126	Synthesis and Modification of Cetacean Tonal Sounds for Underwater Bionic Covert Detection and Communication. IEEE Access, 2020, 8, 119980-119994.	4.2	10

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127	Design and implementation of a rectangular frequency invariant beamformer with a full azimuth angle coverage. Journal of the Franklin Institute, 2011, 348, 2556-2569.	3.4	9
128	Quaternion-based worst case constrained beamformer based on electromagnetic vector-sensor arrays. , 2013, , .		9
129	Minimum sensitivity based robust beamforming with eigenspace decomposition. Multidimensional Systems and Signal Processing, 2018, 29, 687-701.	2.6	9
130	An improved expanding and shift scheme for the construction of fourth-order difference co-arrays. Signal Processing, 2018, 153, 95-100.	3.7	9
131	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
132	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
133	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
134	Low-delay perfect reconstruction two-channel FIR/IIR filter banks and wavelet bases with SOPOT coefficients. , 0, , .		8
135	Bandwidth Performance of Linearly Constrained Minimum Variance Beamformers. , 2007, , .		8
136	Frequency Invariant Beamforming Without Tapped Delay-Lines. , 2007, , .		8
137	Blind Source Separation Based on Generalised Canonical Correlation Analysis and Its Adaptive Realization. , 2008, , .		8
138	A minimum variance beamformer with linear and quadratic constraints based on uniform linear antenna arrays. , 2009, , .		8
139	Wideband beamforming for multipath signals based on frequency invariant transformation. International Journal of Automation and Computing, 2012, 9, 420-428.	4.5	8
140	Quasi-vector-cross-product based direction finding algorithm with a Spatially Stretched tripole. , 2013, , .		8
141	Problem solving using hybrid brain-computer interface methods: A review. , 2014, , .		8
142	Wideband DOA estimation for uniform linear arrays based on the co-array concept. , 2015, , .		8
143	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
144	Threeâ€dimensional millimetreâ€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

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145	Directional modulation design under maximum and minimum magnitude constraints for weight coefficients. Ad Hoc Networks, 2020, 98, 102034.	5.5	8
146	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
147	Moving Target Detection in Multi-Static GNSS-Based Passive Radar Based on Multi-Bernoulli Filter. Remote Sensing, 2020, 12, 3495.	4.0	8
148	Metasurface Based Positional Modulation Design. IEEE Access, 2020, 8, 113807-113813.	4.2	8
149	High-Resolution Radar Waveform Design Based on Target Information Maximization. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3577-3587.	4.7	8
150	Non-Coherent DOA Estimation via Proximal Gradient Based on a Dual-Array Structure. IEEE Access, 2021, 9, 26792-26801.	4.2	8
151	Extended Cantor Arrays with Hole-Free Fourth-Order Difference Co-Arrays. , 2021, , .		8
152	Blind Source Extraction of Instantaneous Noisy Mixtures Using a Linear Predictor. , 0, , .		7
153	Blind Extraction of Noisy Events using Nonlinear Predictor. , 2007, , .		7
154	Blind adaptive wideband beamforming for circular arrays based on phase mode transformation. , 2011, 21, 239-247.		7
155	Blind interference suppression for satellite navigation signals based on antenna arrays. , 2013, , .		7
156	A novel adaptive beamforming technique for large-scale arrays. , 2015, , .		7
157	A Wide-Swath Spaceborne TOPS SAR Image Formation Algorithm Based on Chirp Scaling and Chirp-Z Transform. Sensors, 2016, 16, 2095.	3.8	7
158	Joint 4-D DOA and polarization estimation based on linear tripole arrays. , 2017, , .		7
159	Fully Quaternion-Valued Adaptive Beamforming Based on Crossed-Dipole Arrays. Electronics (Switzerland), 2017, 6, 34.	3.1	7
160	Antenna Array Based Positional Modulation with a Two-Ray Multi-Path Model. , 2018, , .		7
161	Adaptive Beamforming for Target Detection and Surveillance Based on Distributed Unmanned Aerial Vehicle Platforms. IEEE Access, 2018, 6, 60812-60823.	4.2	7
162	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

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163	Beam steering for wideband arrays. Signal Processing, 2009, 89, 941-945.	3.7	6
164	Off-broadside main beam design and subband implementation for a class of frequency invariant beamformers. Signal Processing, 2009, 89, 913-920.	3.7	6
165	A novel robust beamformer based on sub-array data subtraction for coherent interference suppression. , 2009, , .		6
166	Design of oversampled generalised discrete Fourier transform filter banks for application to subband‒based blind source separation. IET Signal Processing, 2013, 7, 843-853.	1.5	6
167	DOA estimation of coherent targets in MIMO radar. , 2013, , .		6
168	A zero-attracting quaternion-valued least mean square algorithm for sparse system identification. , 2014, , .		6
169	Higher order nonlinear chirp scaling algorithm for medium Earth orbit synthetic aperture radar. Journal of Applied Remote Sensing, 2015, 9, 096084.	1.3	6
170	Molecular Communications With Longitudinal Carrier Waves: Baseband to Passband Modulation. IEEE Communications Letters, 2015, 19, 1512-1515.	4.1	6
171	An Efficient Data-Driven False Data Injection Attack in Smart Grids. , 2018, , .		6
172	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
173	White noise reduction for wideband linear array signal processing. IET Signal Processing, 2018, 12, 335-345.	1.5	6
174	Non-Coherent DOA Estimation Based on a Dual-Array Structure Without Reference Signals. , 2019, , .		6
175	DOA estimation with known waveforms in the presence of unknown time delays and Doppler shifts. Signal Processing, 2020, 166, 107232.	3.7	6
176	Sparse Antenna Array Based Positional Modulation Design With a Low-Complexity Metasurface. IEEE Access, 2020, 8, 177640-177646.	4.2	6
177	Symbol-independent weight magnitude design for antenna array based directional modulation. Ad Hoc Networks, 2020, 101, 102097.	5.5	6
178	DOA Estimation With Nonuniform Moving Sampling Scheme Based on a Moving Platform. IEEE Signal Processing Letters, 2021, 28, 1714-1718.	3.6	6
179	Photonic direction-of-arrival estimation based on compressive sensing. Applied Optics, 2021, 60, 3482.	1.8	6
180	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

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181	Time-Domain Wideband DOA Estimation Under the Convolutional Sparse Coding Framework. IEEE Signal Processing Letters, 2022, 29, 274-278.	3.6	6
182	Phase Compensation-Based Localization of Mixed Far-Field and Near-Field Sources. IEEE Wireless Communications Letters, 2022, 11, 598-601.	5.0	6
183	A broadband adaptive beamformer in subbands with scaled aperture. , 0, , .		5
184	A Novel Method for Partially Adaptive Broadband Beamforming. Journal of Signal Processing Systems, 2003, 33, 337-344.	1.0	5
185	Constrained adaptive broadband beamforming algorithm in frequency domain. , 0, , .		5
186	Robust Adaptive Beamforming for Multi-Path Environment Based on Domain Weighted PCA. , 2007, , .		5
187	Broadband beamspace adaptive beamforming with spatial-only information. , 2008, , .		5
188	Near-field beamformer design for circular MRI antenna arrays based on MinMax optimization. , 2010, , .		5
189	Blind beamforming for multi-path wideband signals based on frequency invariant transformation. , 2010, , .		5
190	Reducing permutation error in subband-based convolutive blind separation. IET Signal Processing, 2012, 6, 34.	1.5	5
191	Reduced Complexity MIMO Receiver with Real-Valued Beamforming. , 2015, , .		5
192	Three-dimensional wind profile prediction with trinion-valued adaptive algorithms. , 2015, , .		5
193	Adaptive beamforming based on nonuniform linear arrays with enhanced degrees of freedom. , 2015, , .		5
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