Wei Cui

List of Publications by Year
in descending order

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59	947	933447 10	477307 29
papers	citations	h-index	g-index

59	59	59	575
all docs	docs citations	times ranked	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	Underdetermined wideband DOA estimation of off-grid sources employing the difference co-array concept. Signal Processing, 2017, 130, 299-304.	3.7	113
5	Parameter Estimation of Ground Moving Targets Based on SKT-DLVT Processing. IEEE Transactions on Computational Imaging, 2016, 2, 13-26.	4.4	52
6	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
7	Focused Compressive Sensing for Underdetermined Wideband DOA Estimation Exploiting High-Order Difference Coarrays. IEEE Signal Processing Letters, 2017, 24, 86-90.	3.6	35
8	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
9	Extension of nested arrays with the fourth-order difference co-array enhancement. , 2016, , .		26
10	A Review of Closed-Form CramÃ©r-Rao Bounds for DOA Estimation in the Presence of Gaussian Noise Under a Unified Framework. IEEE Access, 2020, 8, 175101-175124.	4.2	24
11	Group sparsity based wideband DOA estimation for co-prime arrays. , 2014, , .		16
12	Low-complexity compressive sensing based DOA estimation for co-prime arrays. , 2014, , .		14
13	Joint Design of Transmit and Receive Beamforming for Transmit Subaperturing MIMO Radar. IEEE Signal Processing Letters, 2019, 26, 1648-1652.	3.6	10
14	Low-Complexity Joint Transmit and Receive Beamforming for MIMO Radar With Multi-Targets. IEEE Signal Processing Letters, 2020, 27, 1410-1414.	3.6	10
15	Spectrally Sparse Signal Recovery via Hankel Matrix Completion With Prior Information. IEEE Transactions on Signal Processing, 2021, 69, 2174-2187.	5.3	10
16	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
17	Wideband DOA estimation for uniform linear arrays based on the co-array concept. , 2015, , .		8
18	Recovery of Structured Signals With Prior Information via Maximizing Correlation. IEEE Transactions on Signal Processing, 2018, 66, 3296-3310.	5.3	8

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19	Extended Cantor Arrays with Hole-Free Fourth-Order Difference Co-Arrays. , 2021, , .		8
20	Efficient weak manoeuvring target detection method for DSSS signal. Electronics Letters, 2014, 50, 1740-1741.	1.0	7
21	A Novel Parameter Estimation Algorithm for DSSS Signals Based on Compressed Sensing. Chinese Journal of Electronics, 2015, 24, 434-438.	1.5	7
22	Parameter Estimation Method for Radar Maneuvering Target With Arbitrary Migrations. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2195-2213.	4.7	7
23	A New Coherent Integration Method for Frequency Jittering Radar. Chinese Journal of Electronics, 2017, 26, 1008-1016.	1.5	6
24	DOA Estimation With Nonuniform Moving Sampling Scheme Based on a Moving Platform. IEEE Signal Processing Letters, 2021, 28, 1714-1718.	3.6	6
25	Joint parameter estimation method for multiple manoeuvring targets with high speed. IET Radar, Sonar and Navigation, 2018, 12, 530-539.	1.8	5
26	Flexible and Accurate Frequency Estimation for Complex Sinusoid Signal by Interpolation Using DFT Samples. Chinese Journal of Electronics, 2018, 27, 109-114.	1.5	5
27	CramÃ©r-Rao Bound for Wideband DOA Estimation with Uncorrelated Sources. , 2019, , .		5
28	Recovery of Structured Signals From Corrupted Non-Linear Measurements. , 2019, , .		5
29	Underdetermined Low-Complexity Wideband DOA Estimation with Uniform Linear Arrays. , 2020, , .		5
30	CramÃ©r-Rao Bound for DOA Estimation Exploiting Multiple Frequency Pairs. IEEE Signal Processing Letters, 2021, 28, 1210-1214.	3.6	5
31	Distributed Remote Estimation Over the Collision Channel With and Without Local Communication. IEEE Transactions on Control of Network Systems, 2022, 9, 282-294.	3.7	4
32	Coherent integration method for random pulse repetition interval radar based on nonâ€uniform keystone transform and nonâ€uniform fast Fourier transform. Journal of Engineering, 2019, 2019, 5744-5748.	1.1	4
33	Quantized Corrupted Sensing With Random Dithering. IEEE Transactions on Signal Processing, 2022, 70, 600-615.	5.3	4
34	Atomic norm method for DOA estimation in random sampling condition. , 2016, , .		3
35	Compressed sensing with prior information via maximizing correlation. , 2017, , .		3
36	Sparse Reconstruction Method for DOA Estimation Based on Dynamic Dictionary and Negative Exponent Penalty. Chinese Journal of Electronics, 2018, 27, 386-392.	1.5	3

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37	Vector Motion Parameter Estimation for an Approaching Missile Based on an Extended-Target Model. IEEE Transactions on Antennas and Propagation, 2018, 66, 5464-5474.	5.1	3
38	Shortâ€Range Multitarget Motion Parameter Estimation Method Based on Hough Transform. Chinese Journal of Electronics, 2019, 28, 344-348.	1.5	3
39	Superresolution Radar Imaging via Peak Search and Compressed Sensing. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
40	A Superresolution Multipath Estimation Algorithm for DSSS Systems. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 109-124.	4.7	3
41	Low-Complexity Iterative Adaptive Approach Based on Rangeâ€“Doppler Matched Filter Outputs. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 125-139.	4.7	3
42	A tracking loop based on tightly coupled range and velocity filter equations. Science China Information Sciences, 2012, 55, 898-910.	4.3	2
43	Long-time coherent integration for high dynamic DSSS signal. Journal of Engineering, 2019, 2019, 7734-7737.	1.1	2
44	Quantized Corrupted Sensing with Random Dithering. , 2020, , .		2
45	Coherent Integration Algorithm for a Maneuvering Target Based on Frequency Spectrum Segment Processing. IEEE Access, 2020, 8, 115646-115654.	4.2	2
46	An Optimal Symmetric Threshold Strategy for Remote Estimation Over The Collision Channel. , 2020, , .		2
47	Phase Transitions in Recovery of Structured Signals from Corrupted Measurements. , 2021, , .		2
48	Efficient estimation method for targets with arbitrary parameterised motion. Electronics Letters, 2016, 52, 148-150.	1.0	1
49	Covariance Matrix Estimation From Linearly-Correlated Gaussian Samples. IEEE Transactions on Signal Processing, 2019, 67, 2187-2195.	5.3	1
50	An Improved Multiple Threshold Decision Method Based on Long-Term Integration. , 2021, , .		1
51	On the CramÃ©r-Rao Bound and the Number of Resolvable Sources in the Presence of Nonuniform Noise for Underdetermined DOA Estimation. , 2020, , .		1
52	Direction-of-arrival and polarization estimation based on sparse sensing. , 2014, , .		0
53	Efficient parameter estimation method for high dynaimc DSSS signal. , 2014, , .		0
54	A New DSâ€SS Signal Detection Trial Algorithm for False Alarm Rejection Based on Motion Parameters Constraint. Chinese Journal of Electronics, 2015, 24, 110-114.	1.5	0

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55	A Novel Parameter Estimation Method for Maneuvering Target Based on DCFâ€RFRFT. Chinese Journal of Electronics, 2017, 26, 1315-1318.	1.5	0
56	Efficient Motion Parameter Estimation for Maneuvering Target based on Segment Processing. , 2019, , .		0
57	Dual-Channel Monopulse Angle Estimation Method for Weak Target Based on Reference Signal. , 2019, , .		0
58	Phase Transitions in Recovery of Structured Signals From Corrupted Measurements. IEEE Transactions on Information Theory, 2022, 68, 4837-4863.	2.4	0
59	A Sharp Analysis of Covariate Adjusted Precision Matrix Estimation via Alternating Projected Gradient Descent. IEEE Signal Processing Letters, 2022, 29, 877-881.	3.6	0