

Siliang Wu

List of Publications by Year in descending order

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all docs

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docs citations

63
times ranked

725
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Complexity Iterative Adaptive Approach Based on Range-Doppler Matched Filter Outputs. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 125-139.	4.7	3
2	Fast Sidelobe Suppression Based on Two-Dimensional Joint Iterative Adaptive Filtering. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3463-3478.	4.7	12
3	Parameter Estimation for Sinusoidal Frequency-Modulated Signals Using Phase Modulation. IEEE Signal Processing Letters, 2021, 28, 76-80.	3.6	1
4	Cramér-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
5	Multilocation Human Activity Recognition via MIMO-OFDM-Based Wireless Networks: An IoT-Inspired Device-Free Sensing Approach. IEEE Internet of Things Journal, 2021, 8, 15148-15159.	8.7	22
6	Modified Adaptive Pulse Compression Algorithm for Targets With Range-Straddling. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3057-3070.	4.7	3
7	Ambiguity Function Analysis of Random Frequency and PRI Agile Signals. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 382-396.	4.7	18
8	Novel parameter estimation of high-order polynomial phase signals using group delay. Signal Processing, 2021, 183, 108011.	3.7	2
9	A Second-Order Purely VCO-Based CT $\Delta\Sigma$ ADC Using a Modified DPLL Structure in 40-nm CMOS. IEEE Journal of Solid-State Circuits, 2020, 55, 356-368.	5.4	15
10	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
11	A Novel Parameter Estimation for Polynomial Phase Signals Using the Spectrum Phase. IEEE Signal Processing Letters, 2020, 27, 1919-1923.	3.6	9
12	On the Cramér-Rao Bound and the Number of Resolvable Sources in the Presence of Nonuniform Noise for Underdetermined DOA Estimation. , 2020, , .		1
13	Parameter estimation for chirp signals using the spectrum phase. IET Radar, Sonar and Navigation, 2020, 14, 2039-2044.	1.8	1
14	Modified Iterative Adaptive Approach Based on Range-Doppler Matched Filter Outputs. , 2020, , .		3
15	GNSS Jamming Mitigation Using Adaptive-Partitioned Subspace Projection Technique. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 343-355.	4.7	23
16	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
17	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
18	Improved Characterization of GNSS Jammers Using Short-Term Time-Frequency Rényi Entropy. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 1918-1930.	4.7	13

#	ARTICLE	IF	CITATIONS
19	Saturation Throughput Analysis of an Asymmetric Full-Duplex MAC Protocol in WLANs With Hidden Terminals. <i>IEEE Access</i> , 2018, 6, 69948-69960.	4.2	11
20	High-dynamics pulse-shaped signal simulation based on polynomial-based interpolation filters. <i>Science China Information Sciences</i> , 2017, 60, 1.	4.3	1
21	Focused Compressive Sensing for Underdetermined Wideband DOA Estimation Exploiting High-Order Difference Coarrays. <i>IEEE Signal Processing Letters</i> , 2017, 24, 86-90.	3.6	35
22	Whole-Region Hybrid Search Algorithm for DSSS Signal Acquisition. <i>Wireless Personal Communications</i> , 2017, 95, 1265-1284.	2.7	2
23	Underdetermined wideband DOA estimation of off-grid sources employing the difference co-array concept. <i>Signal Processing</i> , 2017, 130, 299-304.	3.7	113
24	A New Coherent Integration Method for Frequency Jittering Radar. <i>Chinese Journal of Electronics</i> , 2017, 26, 1008-1016.	1.5	6
25	A Novel Parameter Estimation Method for Maneuvering Target Based on DCF \hat{a} FRFT. <i>Chinese Journal of Electronics</i> , 2017, 26, 1315-1318.	1.5	0
26	A New Adaptive Subsample ETDE for Large \hat{a} Range Time \hat{a} Varying Delay Estimation Using Low \hat{a} Order Interpolators. <i>Chinese Journal of Electronics</i> , 2017, 26, 871-875.	1.5	1
27	Three-Dimensional ISAR Imaging Method for High-Speed Targets in Short-Range Using Impulse Radar Based on SIMO Array. <i>Sensors</i> , 2016, 16, 364.	3.8	5
28	On the Spectral-Energy Efficiency and Rate Fairness Tradeoff in Relay-Aided Cooperative OFDMA Systems. <i>IEEE Transactions on Wireless Communications</i> , 2016, 15, 6342-6355.	9.2	34
29	Underdetermined DOA Estimation Under the Compressive Sensing Framework: A Review. <i>IEEE Access</i> , 2016, 4, 8865-8878.	4.2	139
30	Performance Comparison of Code Discriminators in the Presence of CW Interference. <i>Wireless Personal Communications</i> , 2016, 89, 405-426.	2.7	4
31	Extension of nested arrays with the fourth-order difference co-array enhancement. , 2016, , .		26
32	CW interference mitigation in GNSS receiver based on frequency-locked loop. <i>Science China Information Sciences</i> , 2016, 59, 1.	4.3	2
33	Extension of Co-Prime Arrays Based on the Fourth-Order Difference Co-Array Concept. <i>IEEE Signal Processing Letters</i> , 2016, 23, 615-619.	3.6	142
34	Efficient estimation method for targets with arbitrary parameterised motion. <i>Electronics Letters</i> , 2016, 52, 148-150.	1.0	1
35	Signal Delay Reconstruction Method Based on Dynamic Index and Complex \hat{a} Coefficient Lagrange Interpolation. <i>Chinese Journal of Electronics</i> , 2015, 24, 750-754.	1.5	0
36	A novel joint navigation state error discriminator based on iterative maximum likelihood estimation. <i>Science China Information Sciences</i> , 2015, 58, 1-14.	4.3	1

#	ARTICLE	IF	CITATIONS
37	Acquisition algorithm assisted by AGC control voltage for DSSS signals. Science China Technological Sciences, 2015, 58, 2195-2206.	4.0	2
38	Wideband DOA estimation for uniform linear arrays based on the co-array concept. , 2015, , .		8
39	ISAR imaging of high-speed moving targets in short-range using impulse radar. Journal of Systems Engineering and Electronics, 2015, 26, 964-972.	2.2	4
40	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
41	A modified code tracking loop based on dual structure. Science China Information Sciences, 2015, 58, 1-10.	4.3	2
42	Energy- and Spectral-Efficiency Tradeoff with α -Fairness in Downlink OFDMA Systems. IEEE Communications Letters, 2015, 19, 1265-1268.	4.1	20
43	A Novel Delay- and Utility-Oriented Resource Allocation Algorithm for Mixed Services in OFDMA Systems. Wireless Personal Communications, 2015, 83, 825-839.	2.7	0
44	Low-complexity compressive sensing based DOA estimation for co-prime arrays. , 2014, , .		14
45	Attitude aided space-time multi-beamformer anti-jamming approach for satellite navigation receiver. , 2014, , .		4
46	Efficient weak manoeuvring target detection method for DSSS signal. Electronics Letters, 2014, 50, 1740-1741.	1.0	7
47	Computationally efficient 2-D DOA estimation for uniform rectangular arrays. Multidimensional Systems and Signal Processing, 2014, 25, 847-857.	2.6	27
48	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
49	Group sparsity based wideband DOA estimation for co-prime arrays. , 2014, , .		16
50	Adaptive multiple-input multiple-output radar beamforming based on direct data domain approach. IET Radar, Sonar and Navigation, 2014, 8, 632-638.	1.8	11
51	Multipath effects on vector tracking algorithm for GNSS signal. Science China Information Sciences, 2014, 57, 1-13.	4.3	5
52	DOA estimation of coherent targets in MIMO radar. , 2013, , .		6
53	Principle and key technology of generalized high precision simulation of TT&C channel. Journal of Systems Engineering and Electronics, 2013, 24, 318-323.	2.2	5
54	Robust minimum variance multiple-input multiple-output radar beamformer. IET Signal Processing, 2013, 7, 854-862.	1.5	6

#	ARTICLE	IF	CITATIONS
55	A segmentation motion compensation-based longterm integration method for DSSS signal. , 2012, , .		2
56	Research on Real-time Implementation of Spaceborn Viterbi Decoder. , 2012, , .		0
57	Multi-targets miss distance measurement using sequential range-Doppler image. , 2012, , .		0
58	A tracking loop based on tightly coupled range and velocity filter equations. Science China Information Sciences, 2012, 55, 898-910.	4.3	2
59	Time-varying AR modeling and adaptive IIR notch filter for anti-jamming DSSS receiver. Journal of Electronics, 2010, 27, 465-473.	0.2	0
60	Design of a high fidelity GLONASS signal simulator. , 2010, , .		3
61	Direct Acquisition Method of GPS P Code and its Parameter Optimization. , 2010, , .		1
62	Vector Miss Distance Measurement Based on Range-only Target Tracking. , 2006, , .		2
63	Differential evolution for target motion parameter estimation. , 2003, , .		4