Weimin Su

List of Publications by Year
in descending order

38 papers	**219** citations	1163117 **8** h-index	1058476 **14** g-index
38 all docs	**38** docs citations	**38** times ranked	**239** citing authors

#	Article	IF	Citations
1	Efficient narrowband interference suppression method for synthetic aperture radar-based on variational mode decomposition. Journal of Applied Remote Sensing, 2017, 11, 1.	1.3	42
2	Radio Frequency Interference Suppression for SAR via Block Sparse Bayesian Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4835-4847.	4.9	25
3	Enhanced LRR-Based RFI Suppression for SAR Imaging Using the Common Sparsity of Range Profiles for Accurate Signal Recovery. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1302-1318.	6.3	17
4	Joint 4-D Angle and Doppler Shift Estimation via Tensor Decomposition for MIMO Array. IEEE Communications Letters, 2012, 16, 917-920.	4.1	15
5	3D imaging using narrowband bistatic MIMO radar. Electronics Letters, 2014, 50, 1090-1092.	1.0	12
6	An Efficient Method for Single-Channel SAR Target Reconstruction Under Severe Deceptive Jamming. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 237-241.	3.1	11
7	The analysis and design of modern Low Probability of Intercept radar. , 0, , .		9
8	Focusing one-stationary bistatic forward-looking synthetic aperture radar with squint minimisation method. IET Radar, Sonar and Navigation, 2015, 9, 927-932.	1.8	9
9	OFDM wavefroms designed with piecewise nonlinear frequency modulation pulse for MIMO radar. International Journal of Remote Sensing, 2018, 39, 8746-8765.	2.9	9
10	High-resolution multiple-input—multiple-output—inverse synthetic aperture radar imaging based on sparse representation. IET Radar, Sonar and Navigation, 2016, 10, 1277-1285.	1.8	8
11	A Novel Bayesian Super-Resolution Method for Radar Forward-Looking Imaging Based on Markov Random Field Model. Remote Sensing, 2021, 13, 4115.	4.0	7
12	Automatic RFI Identification for Sentinel-1 Based on Siamese-Type Deep CNN Using Repeat-Pass Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	7
13	Low-complexity range and angle two-dimensional gold-MUSIC for multi-carrier frequency MIMO radar. Electronics Letters, 2018, 54, 1088-1089.	1.0	5
14	Suppression of sidelobes in MIMO radar with distinctive piecewise non-linear frequency modulation sub-carrier. International Journal of Remote Sensing, 2020, 41, 353-372.	2.9	5
15	Squint-minimised chirp scaling algorithm for bistatic forward-looking SAR imaging. IET Radar, Sonar and Navigation, 2020, 14, 290-298.	1.8	4
16	Gain-Phase Errors Calibration for a Linear Array Based on Blind Signal Separation. Sensors, 2020, 20, 4233.	3.8	4
17	Velocity estimation of moving target using generalized-MUSIC based on stepped-frequency-pulse-train signal. , 2011, , .		3
18	Direction Finding of Noncircular Coherently Distributed Sources for Centrosymmetric Array. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 722-725.	0.3	3

#	Article	IF	Citations
19	Non-continuous piecewise nonlinear frequency modulation pulse with variable sub-pulse duration in a MIMO SAR radar system. Remote Sensing Letters, 2020, 11, 283-292.	1.4	3
20	Accurate SAR Image Recovery From RFI Contaminated Raw Data by Using Image Domain Mixed Regularizations. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	3
21	The study on Doppler centroid estimation in DBS imaging. , 0, , .		2
22	Ionosphere phase decontamination method based on subspace in skyâ€wave OTHR. Electronics Letters, 2014, 50, 1874-1875.	1.0	2
23	Virtual matrix pencil method for 2-D DOA estimation with a two-nested-shape-array. Multidimensional Systems and Signal Processing, 2015, 26, 619-644.	2.6	2
24	Performance analysis of bistatic forward-looking SAR with DVB-S illuminators for navigation. , 2017, , .		2
25	2D Central DOA Estimation of Coherently Distributed Sources Using a Pair of Uniform Circular Arrays. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 1179-1187.	0.3	2
26	A Calibration Method for Linear Arrays in the Presence of Gain-Phase Errors. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 841-844.	0.3	2
27	Sidelobe Suppression of Phase-Coded Radar Based on the Accurate Signal Estimate. , 2008, , .		1
28	Analysis of mainlobe to mean square sidelobe ratio in noise radar. , 2011, , .		1
29	The research on Doppler ambiguity for dual pulse repetition frequencies radar. , 2016, , .		1
30	Multi-scale Convolution and Feature-weighting Network for Radar Target Recognition. , 2019, , .		1
31	Multisensor inverse synthetic aperture radar imaging and phase adjustment based on combination of sparsity and total variation. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	1
32	Multistatic inverse synthetic aperture radar imaging based on parametric block-sparse reconstruction. Journal of Applied Remote Sensing, 2020, 14, 1.	1.3	1
33	A new kind of ISAR autofocusing technique based on entropy criteria. , 0, , .		0
34	Mathematical analysis of main-to-sidelobe ratio after pulse compression in pseudorandom code phase modulation CW radar. , 2008, , .		0
35	Doppler compensation algorithm based on conjugate noise group. , 2014, , .		0
36	Array Shape Calibration for Non-planar Array Using Disjoint Sources. , 2016, , .		0

#	Article	IF	Citations
37	Meteor trail interference of owe density suppression algorithm based on DWT-WF-CP in OTHR. , 2016, , .		0
38	Sensor Gain-Phase Error and Position Perturbation Estimation Using an Auxiliary Source in an Unknown Direction. IEICE Transactions on Communications, 2021, E104.B, 639-646.	0.7	0