Yuze Sun

List of Publications by Citations

56 papers	290 citations	9 h-index	14 g-index
81 ext. papers	460 ext. citations	2.2 avg, IF	3.5 L-index

#	Paper	IF	Citations
56	Mainlobe Interference Suppression Based on Eigen-Projection Processing and Covariance Matrix Reconstruction. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 1369-1372	3.8	29
55	Applying Auxiliary Array to Suppress Mainlobe Interference for Ground-Based Radar. *IEEE Antennas and Wireless Propagation Letters*, **2013**, 12, 433-436	3.8	25
54	Robust non-homogeneity detection algorithm based on prolate spheroidal wave functions for space-time adaptive processing. *IET Radar, Sonar and Navigation*, **2013**, 7, 47-54	1.4	22
53	Fast STAP Method Based on PAST with Sparse Constraint for Airborne Phased Array Radar. *IEEE Transactions on Signal Processing*, **2016**, 64, 4550-4561	4.8	22
52	Optimization of Subarray Partition for Large Planar Phased Array Radar Based on Weighted K-Means Clustering Method. *IEEE Journal on Selected Topics in Signal Processing*, **2015**, 9, 1460-1468	7.5	17
51	Improved orthogonal projection approach utilising interference covariance matrix reconstruction for adaptive beamforming. *Electronics Letters*, **2014**, 50, 1446-1447	1.1	12
50	Robust Wideband Adaptive Beamforming With Null Broadening and Constant Beamwidth. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 5380-5389	4.9	11
49	A Fast and Robust DOA Estimation Method Based on JSVD for Co-Prime Array. *IEEE Access*, **2018**, 6, 41697-41705	3.5	10
48	Joint DOD and DOA Estimation in Slow-Time MIMO Radar via PARAFAC Decomposition. *IEEE Signal Processing Letters*, **2020**, 27, 1495-1499	3.2	9
47	Improved Double Threshold Detector for Spatially Distributed Target. *IEICE Transactions on Communications*, **2012**, E95.B, 1475-1478	0.5	8
46	Adaptive null broadening method in wideband beamforming for rapidly moving interference suppression. *Electronics Letters*, **2018**, 54, 1003-1005	1.1	7
45	D3-STMB Hybrid STAP Algorithm for Discrete Interference Suppression in Nonhomogeneous Clutter. *IEICE Transactions on Communications*, **2011**, E94-B, 1114-1117	0.5	7
44	Improved MDL method for estimation of source number at subarray level. *Electronics Letters*, **2016**, 52, 85-86	1.1	6
43	Robust and fast iterative sparse recovery method for space-time adaptive processing. *Science China Information Sciences*, **2016**, 59, 1	3.4	6
42	Robust time synchronization method based on step frequency signal for wideband distributed coherent aperture radar **2013**,		6
41	Broadband constant beamwidth beamforming for suppressing mainlobe and sidelobe interferences **2017**,		5
40	Finite word length optimization for spaceborne SAR imaging systems **2015**,		5

39	Spectrum Recovery for Clutter Removal in Penetrating Radar Imaging. *IEEE Transactions on Geoscience and Remote Sensing*, **2019**, 57, 6650-6665	8.1	5
38	Sub-Array Weighting UN-MUSIC: A Unified Framework and Optimal Weighting Strategy. *IEEE Signal Processing Letters*, **2014**, 21, 871-874	3.2	5
37	Improved PRI-staggered space-time adaptive processing algorithm based on projection approximation subspace tracking subspace technique. *IET Radar, Sonar and Navigation*, **2014**, 8, 449-456	1.4	5
36	Wideband distributed coherent aperture radar **2014**,		4
35	Hybrid STAP approach of direct data domain algorithm and adaptive localised domain transformation for discrete interference suppression in non-homogeneous clutter. *Electronics Letters*, **2014**, 50, 1743-1745	1.1	4
34	Effect of geometry of planar antenna arrays on Cramer-Rao Bounds for DOA estimation **2010**,		4
33	Hybrid optimisation method of improved genetic algorithm and IFT for linear thinned array. *Journal of Engineering*, **2019**, 2019, 6457-6460	0.7	4
32	Robust Adaptive Beamforming Based on Desired Signal Power Reduction and Output Power of Spatial Matched Filter. *IEEE Access*, **2018**, 6, 50217-50228	3.5	4
31	. *IEEE Access*, **2019**, 7, 26740-26751	3.5	3
30	Improved eigenanalysis canceler based on data-independent clutter subspace estimation for space-time adaptive processing. *Science China Information Sciences*, **2013**, 56, 1-10	3.4	3
29	A Novel Monopulse Technique for Adaptive Phased Array Radar. *Sensors*, **2017**, 17,	3.8	3
28	Introduction to the Issue on Advanced Signal Processing Techniques for Radar Applications. *IEEE Journal on Selected Topics in Signal Processing*, **2015**, 9, 1363-1365	7.5	3
27	Phase difference estimation based on orthogonal signals for distributed coherent aperture radar **2013**,		3
26	Improved F-K Migration Based on Interpolation Method for GPR Imaging **2019**,		3
25	Spatial Multi-Interference Suppression Based on Joint Adaptive Weight for Distributed Array Radar **2019**,		2
24	A Novel High-Accuracy Phase-Derived Velocity Measurement Method for Wideband LFM Radar. *IEEE Geoscience and Remote Sensing Letters*, **2019**, 16, 529-533	4.1	2
23	Estimation of source number based on power-inversion and adaptive threshold in colored noise **2016**,		2
22	Pulse-order recursive method for inverse covariance matrix computation applied to space-time adaptive processing. *Science China Information Sciences*, **2013**, 56, 1-12	3.4	2

21	Modified Gram-Schmidt orthogonalization of covariance matrix adaptive beamforming based on data preprocessing **2012**,		2
20	Pre-Compensation Clutter Range-Dependence STAP Algorithm for Forward-Looking Airborne Radar Utilizing Knowledge-Aided Subspace Projection. *IEICE Transactions on Communications*, **2012**, E95-B, 97-105	0.5	2
19	Robust knowledge-aided sparse recovery STAP method for non-homogeneity clutter suppression. *Journal of Engineering*, **2019**, 2019, 6373-6376	0.7	2
18	Antenna position optimization method based on adaptive genetic algorithm with self-supervised differential operator for distributed coherent aperture radar. *IET Radar, Sonar and Navigation*, **2021** , 15, 677-685	1.4	2
17	DDMA MIMO radar system for low, slow, and small target detection. *Journal of Engineering*, **2019**, 2019, 5932-5935	0.7	2
16	Robust Wideband Adaptive Beamforming Based on Focusing Transformation and Steering Vector Compensation. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 2280-2284	3.8	1
15	Performance analysis of optimal and reduced-dimension STAP for airborne phased array radar **2010** ,		1
14	Mainlobe interference suppression based on large aperture auxiliary array **2012**,		1
13	Search-free direction-of-arrival estimation for transmit beamspace multiple-input multiple-output radar via tensor modelling and polynomial rooting. *IET Radar, Sonar and Navigation*, **2021**, 15, 574-580	1.4	1
12	Polarisation-space-time adaptive processing for heterogeneous clutter suppression of airborne-phased array radar. *Journal of Engineering*, **2019**, 2019, 5936-5939	0.7	1
11	Smart noise jamming suppression method based on fast fractional filtering. *Journal of Engineering*, **2019**, 2019, 6201-6205	0.7	1
10	Low complex direction of arrival estimation method based on adaptive filtering algorithm. *Journal of Engineering*, **2019**, 2019, 6214-6217	0.7	1
9	Fast and robust adaptive beamforming method based on complex-valued RBF neural network. *Journal of Engineering*, **2019**, 2019, 5917-5921	0.7	1
8	Layered Media Parameter Inversion Based on Common Middle Point Model and Pattern Search Method. *IEEE Geoscience and Remote Sensing Letters*, **2022**, 19, 1-5	4.1	1
7	Parameter Inversion by a Modified Reflected Signal Reconstruction Method for Thin-Layered Media. *IEEE Antennas and Wireless Propagation Letters*, **2022**, 21, 958-962	3.8	1
6	Sub-array partition method based on particle swarm optimisation for large aperture phased array radar. *Journal of Engineering*, **2019**, 2019, 6318-6321	0.7	0
5	Parameter estimation of G0 distribution based on improved recursive expectation□maximisation method for clutter modelling. *Journal of Engineering*, **2019**, 2019, 6759-6762	0.7	
4	Null widening method for conformal array based on covariance matrix enhancement. *Journal of Engineering*, **2019**, 2019, 6390-6393	0.7	

List of Publications

3	Low-complexity DOA estimation method for a co-prime linear array. *Journal of Engineering*, **2019**, 2019, 6503-6506	0.7
2	High-precision target echo generation technology based on one-dimensional linear array radar. *Journal of Engineering*, **2019**, 2019, 7489-7492	0.7
1	Anti-jamming method for STAP based on a bi-phase random-coded signal. *Journal of Engineering*, **2019**, 2019, 6309-6312	0.7