Yong-Liang Wang

List of Publications by Year
in descending order

29 papers	550 citations	840776 11 h-index	642732 23 g-index
29 all docs	29 docs citations	29 times ranked	263 citing authors

#	Article	IF	Citations
1	Short-Range Clutter Suppression for Airborne Radar Using Sparse Recovery and Orthogonal Projection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
2	Range-Dependent Ambiguous Clutter Suppression for Airborne SSF-STAP Radar. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 855-867.	4.7	8
3	Adaptive multichannel detectors for distributed target based on gradient test. Signal Processing, 2022, 191, 108350.	3.7	11
4	Adaptive Detectors for Colocated MIMO Radar With Training Data. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	0
5	Adaptive Detection in Structure-Nonhomogeneity Environment: Designs and Comparisons. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
6	IRNet: Interference Recognition Networks for Automotive Radars via Autocorrelation Features. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2762-2774.	4.6	6
7	Nonstationary Clutter Suppression Based on Four Dimensional Clutter Spectrum for Airborne Radar With Conformal Array. IEEE Access, 2022, 10, 51850-51861.	4.2	4
8	A False Alarm Controllable Detection Method Based on CNN for Sea-Surface Small Targets. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
9	A Novel Two-Step Scheme Based on Joint GO-DPCA and Local STAP in Image Domain for Multichannel SAR-GMTI. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8259-8272.	4.9	7
10	Adaptive Fixed-Lag Smoothing Algorithms Based on the Variational Bayesian Method. IEEE Transactions on Automatic Control, 2021, 66, 4881-4887.	5.7	3
11	Adaptive detection for distributed target in homogeneous environment with deterministic subspace interference. , 2021, , .		0
12	An Adaptive Gaussian Sum Kalman Filter Based on a Partial Variational Bayesian Method. IEEE Transactions on Automatic Control, 2020, 65, 4793-4799.	5.7	15
13	Clutter suppression algorithm for non–side looking airborne radar with high pulse repetition frequency based on elevation–compensation–prefiltering. IET Radar, Sonar and Navigation, 2020, 14, 19-26.	1.8	4
14	Reduced-DOF Three-Dimensional STAP via Subarray Synthesis for Nonsidelooking Planar Array Airborne Radar. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3311-3325.	4.7	32
15	Interference Environment Model Recognition for Robust Adaptive Detection. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2850-2861.	4.7	4
16	A Tunable Detector for Distributed Target Detection in the Situation of Signal Mismatch. IEEE Signal Processing Letters, 2020, 27, 151-155.	3.6	10
17	Adaptive subspace signal detection in a type of structure-nonhomogeneity environment. Signal Processing, 2020, 173, 107600.	3.7	12
18	GLRT detector based on knowledge aided covariance estimation in compound Gaussian environment. Signal Processing, 2019, 155, 377-383.	3.7	12

#	Article	IF	Citations
19	Sparsity-Based Non-Stationary Clutter Suppression Technique for Airborne Radar. IEEE Access, 2018, 6, 56162-56169.	4.2	13
20	Distributed Target Detection in Partially Homogeneous Environment When Signal Mismatch Occurs. IEEE Transactions on Signal Processing, 2018, 66, 3918-3928.	5.3	37
21	Multichannel radar adaptive signal detection in interference and structure nonhomogeneity. Science China Information Sciences, 2017, 60, 1.	4.3	12
22	Statistical Performance Analysis of the Adaptive Orthogonal Rejection Detector. IEEE Signal Processing Letters, 2016, 23, 873-877.	3.6	15
23	Subspace-Augmented Clutter Suppression Technique for STAP Radar. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 462-466.	3.1	45
24	Adaptive array detection in noise and completely unknown jamming. , 2015, 46, 41-48.		22
25	Adaptive Double Subspace Signal Detection in Gaussian Background—Part I: Homogeneous Environments. IEEE Transactions on Signal Processing, 2014, 62, 2345-2357.	5.3	150
26	Adaptive Double Subspace Signal Detection in Gaussian Background—Part II: Partially Homogeneous Environments. IEEE Transactions on Signal Processing, 2014, 62, 2358-2369.	5.3	67
27	Clutter suppression for airborne phased radar with conformal arrays by least squares estimation. Signal Processing, 2011, 91, 1665-1669.	3.7	11
28	STAP for airborne radar with cylindrical phased array antennas. Signal Processing, 2009, 89, 883-893.	3.7	11
29	STAP with medium PRF mode for non-side-looking airborne radar. IEEE Transactions on Aerospace and Electronic Systems, 2000, 36, 609-620.	4.7	25