

Shu-Wen Xu

List of Publications by Year in descending order

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all docs

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43
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305
citing authors

#	ARTICLE	IF	CITATIONS
1	Tri-feature-based detection of floating small targets in sea clutter. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 1416-1430.	4.7	103
2	Shape-parameter-dependent coherent radar target detection in K-distributed clutter. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 451-465.	4.7	57
3	Visual Attention-Based Target Detection and Discrimination for High-Resolution SAR Images in Complex Scenes. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1855-1872.	6.3	41
4	Sea-Surface Floating Small Target Detection Based on Polarization Features. IEEE Geoscience and Remote Sensing Letters, 2018, , 1-5.	3.1	40
5	Range-Spread Target Detection using Consecutive HRRPs. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 647-665.	4.7	33
6	Distributed Target Detection Exploiting Persymmetry in Gaussian Clutter. IEEE Transactions on Signal Processing, 2019, 67, 1022-1033.	5.3	33
7	Adaptive range-spread maneuvering target detection in compound-Gaussian clutter. , 2015, 36, 46-56.		31
8	Sea-Surface Floating Small Target Detection by Multifeature Detector Based on Isolation Forest. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 704-715.	4.9	25
9	GIS-Based Forest Fire Risk Model: A Case Study in Laoshan National Forest Park, Nanjing. Remote Sensing, 2021, 13, 3704.	4.0	24
10	Model for Non-Gaussian Sea Clutter Amplitudes Using Generalized Inverse Gaussian Texture. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 892-896.	3.1	22
11	Adaptive detection of range-spread targets in compound Gaussian clutter with the square root of inverse Gaussian texture. , 2016, 56, 132-139.		20
12	Near-optimum coherent CFAR detection of radar targets in compound-Gaussian clutter with inverse Gaussian texture. Signal Processing, 2020, 166, 107236.	3.7	19
13	Persymmetric Detection of Radar Targets in Nonhomogeneous and Non-Gaussian Sea Clutter. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9.	6.3	17
14	Radar Detection and Motion Parameters Estimation of Maneuvering Target Based on the Extended Keystone Transform (July 2018). IEEE Access, 2018, 6, 76060-76074.	4.2	15
15	Theory and Design of Joint Time-Vertex Nonsampled Filter Banks. IEEE Transactions on Signal Processing, 2021, 69, 1968-1982.	5.3	15
16	Adaptive subspace detection of range-spread target in compound Gaussian clutter with inverse Gaussian texture. , 2018, 81, 79-89.		13
17	Persymmetric Rao test for MIMO radar in Gaussian disturbance. Signal Processing, 2019, 165, 30-36.	3.7	10
18	Optimum and Near-Optimum Coherent CFAR Detection of Radar Targets in Compound-Gaussian Clutter With Generalized Inverse Gaussian Texture. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 1692-1706.	4.7	10

#	ARTICLE	IF	CITATIONS
19	Knowledge-based target detection in compound Gaussian clutter with inverse Gaussian texture. , 2019, 95, 102590.		9
20	Outlier-robust parameters estimation for compound-Gaussian Clutter using inverse gamma texture based on truncated moments. Remote Sensing Letters, 2019, 10, 274-282.	1.4	9
21	CFAR Strategy Formulation and Evaluation Based on Fox's H-function in Positive Alpha-Stable Sea Clutter. Remote Sensing, 2020, 12, 1273.	4.0	9
22	Adaptive Detection of Radar Targets in Heavy-Tailed Sea Clutter With Lognormal Texture. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	9
23	Combined Adaptive Normalized Matched Filter Detection of Moving Target in Sea Clutter. Circuits, Systems, and Signal Processing, 2017, 36, 2360-2383.	2.0	8
24	Range-spread target detection using 2D non-local nonlinear shrinkage map. Signal Processing, 2014, 98, 337-343.	3.7	7
25	Change detection in SAR images based on iterative Otsu. European Journal of Remote Sensing, 2020, 53, 331-339.	3.5	7
26	HRRP Clutter Rejection Via One-Class Classifier With Hausdorff Distance. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2517-2526.	4.7	6
27	External Calibration of P-Band Island-Based Sea Clutter Measurement Radar on the Sea Surface. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5711-5720.	6.3	5
28	Non-coherent detection of radar target in heavy-tailed sea clutter using bi-window non-linear shrinkage map. IET Signal Processing, 2016, 10, 1031-1039.	1.5	4
29	GLRT-Based Coherent Detection in Sub-Gaussian Symmetric Alpha-Stable Clutter. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
30	Small Target Detection Method in Sea Clutter Based on Interframe Multi-feature Iteration. , 2021, , .		4
31	Bayesian Detection for Radar Targets in Compound-Gaussian Sea Clutter. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
32	Double-characters detection of nonlinear frequency modulated signals based on FRFT. Science China Information Sciences, 2011, 54, 136-145.	4.3	3
33	A Novel Method for Sea-Land Clutter Separation Using Regularized Randomized and Kernel Ridge Neural Networks. Sensors, 2020, 20, 6491.	3.8	3
34	Maneuvering range-spread target detection in white Gaussian noise using multiple-pulse combined waveform contrast. , 2017, , .		2
35	Calibration measurement of shore-based radar with active reflector. , 2018, , .		2
36	Sea-Land Clutter Classification Based on Graph Spectrum Features. Remote Sensing, 2021, 13, 4588.	4.0	2

#	ARTICLE	IF	CITATIONS
37	Sea Surface Floating Target Detection Based on Local-distance Measurement. , 2021, , .		2
38	A Distributed Algorithm for Reconstructing Time-Varying Graph Signals. Circuits, Systems, and Signal Processing, 2022, 41, 3624-3641.	2.0	2
39	Subband adaptive coherent detection of weak moving targets in K-distributed sea clutter. , 2016, , .		1
40	Persymmetric adaptive detection for range-spread targets in generalized Pareto sea clutter. , 2017, , .		1
41	Improved track-before-detect method for detecting range-spread targets in generalized Pareto clutter. Science China Information Sciences, 2019, 62, 1.	4.3	1
42	Floating small target detection based on the dual-polarization cross-time-frequency distribution in sea clutter. , 2022, , 103625.		1
43	Adaptive sparse range-spread target detection in homogeneous generalized Pareto clutter. , 2016, , .		0