

Xiao-Lan Qiu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Omega-K Algorithm With Phase Error Compensation for Bistatic SAR of a Translational Invariant Case. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2224-2232.	6.3	47
2	Projection Shape Template-Based Ship Target Recognition in TerraSAR-X Images. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 222-226.	3.1	46
3	The GF-3 SAR Data Processor. Sensors, 2018, 18, 835.	3.8	41
4	SRSDD-v1.0: A High-Resolution SAR Rotation Ship Detection Dataset. Remote Sensing, 2021, 13, 5104.	4.0	29
5	Fast Vessel Detection in Gaofen-3 SAR Images with Ultrafine Strip-Map Mode. Sensors, 2017, 17, 1578.	3.8	26
6	Medium-Earth-Orbit SAR Focusing Using Range Doppler Algorithm With Integrated Two-Step Azimuth Perturbation. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 626-630.	3.1	25
7	An ML-Based Radial Velocity Estimation Algorithm for Moving Targets in Spaceborne High-Resolution and Wide-Swath SAR Systems. Remote Sensing, 2017, 9, 404.	4.0	25
8	Channel Imbalances and Along-Track Baseline Estimation for the GF-3 Azimuth Multichannel Mode. Remote Sensing, 2019, 11, 1297.	4.0	24
9	A Quality Assessment Method Based on Common Distributed Targets for GF-3 Polarimetric SAR Data. Sensors, 2018, 18, 807.	3.8	20
10	Parameter Extraction Based on Deep Neural Network for SAR Target Simulation. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4901-4914.	6.3	20
11	The Characteristics of the Multipath Scattering and the Application for Geometry Extraction in High-Resolution SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4687-4699.	6.3	18
12	Unambiguous Imaging of Static Scenes and Moving Targets with the First Chinese Dual-Channel Spaceborne SAR Sensor. Sensors, 2017, 17, 1709.	3.8	18
13	A Simultaneous Imaging Scheme of Stationary Clutter and Moving Targets for Maritime Scenarios with the First Chinese Dual-Channel Spaceborne SAR Sensor. Remote Sensing, 2019, 11, 2275.	4.0	16
14	The Space-Time Variation of Phase Imbalance for GF-3 Azimuth Multichannel Mode. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4774-4788.	4.9	16
15	Geo-Positioning Accuracy Improvement of Multi-Mode GF-3 Satellite SAR Imagery Based on Error Sources Analysis. Sensors, 2018, 18, 2333.	3.8	15
16	On the Processing of Very High Resolution Spaceborne SAR Data: A Chirp-Modulated Back Projection Approach. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 191-201.	6.3	14
17	Automated ortho-rectified SAR image of GF-3 satellite using Reverse-Range-Doppler method. , 2016, , .		13
18	An Improved Shape Contexts Based Ship Classification in SAR Images. Remote Sensing, 2017, 9, 145.	4.0	13

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19	Error Source Analysis and Correction of GF-3 Polarimetric Data. Remote Sensing, 2018, 10, 1685.	4.0	12
20	HDEC-TFA: An Unsupervised Learning Approach for Discovering Physical Scattering Properties of Single-Polarized SAR Image. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3054-3071.	6.3	12
21	Identification of Stable Backscattering Features, Suitable for Maintaining Absolute Synthetic Aperture Radar (SAR) Radiometric Calibration of Sentinel-1. Remote Sensing, 2018, 10, 1010.	4.0	11
22	Polarimetric Calibration of the GaoFen-3 Mission Using Active Radar Calibrators and the Applicable Conditions of System Model for Radar Polarimeters. Remote Sensing, 2019, 11, 176.	4.0	11
23	CVCMFF Net: Complex-Valued Convolutional and Multifeature Fusion Network for Building Semantic Segmentation of InSAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	11
24	A generic framework for improving the ge positioning accuracy of multi-source optical and SAR imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 169, 377-388.	11.1	10
25	GF-3 Polarimetric Data Quality Assessment Based on Automatic Extraction of Distributed Targets. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4282-4294.	4.9	10
26	A SAR Target Image Simulation Method With DNN Embedded to Calculate Electromagnetic Reflection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2593-2610.	4.9	10
27	Estimation Accuracy and Cram�r-Rao Lower Bounds for Errors in Multichannel HRWS SAR Systems. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1772-1776.	3.1	9
28	A Range Ambiguity Suppression Processing Method for Spaceborne SAR with Up and Down Chirp Modulation. Sensors, 2018, 18, 1454.	3.8	9
29	An Improved Imaging Algorithm for High-Resolution Spotlight SAR with Continuous PRI Variation Based on Modified Sinc Interpolation. Sensors, 2019, 19, 389.	3.8	9
30	Geolocation Accuracy Improvement of Multiobserved GF-3 Spaceborne SAR Imagery. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1747-1751.	3.1	8
31	Research on Turning Motion Targets and Velocity Estimation in High Resolution Spaceborne SAR. Sensors, 2020, 20, 2201.	3.8	8
32	A subspace-based channel calibration algorithm for geosynchronous satellite-airborne bistatic multi-channel radars. IET Radar, Sonar and Navigation, 2014, 8, 1008-1017.	1.8	7
33	Decimeter-Level Geolocation Accuracy Updated by a Parametric Tropospheric Model with GF-3. Sensors, 2018, 18, 2197.	3.8	7
34	Radial Velocity Estimation of Ships on Open Sea in the Azimuth Multichannel SAR System. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3787-3798.	4.9	7
35	A Robust Stereo Positioning Solution for Multiview Spaceborne SAR Images Based on the Range-Doppler Model. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
36	Study on geo-location of sliding spotlight mode of GF-3 satellite. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
37	Velocity estimation of moving targets for spaceborne multichannel synthetic aperture radar systems based on equivalent along-track interferometry technique. IET Radar, Sonar and Navigation, 2018, 12, 964-972.	1.8	6
38	Curved-Path SAR Geolocation Error Analysis Based on BP Algorithm. IEEE Access, 2019, 7, 20337-20345.	4.2	6
39	A Method of Marine Moving Targets Detection in Multi-Channel ScanSAR System. Remote Sensing, 2020, 12, 3792.	4.0	6
40	Unsupervised Classification of Polarimetric SAR Image Based on Geodesic Distance and Non-Gaussian Distribution Feature. Sensors, 2021, 21, 1317.	3.8	6
41	Accurate sea-land segmentation using ratio of average constrained graph cut for polarimetric synthetic aperture radar data. Journal of Applied Remote Sensing, 2017, 11, 026023.	1.3	6
42	Few-Shot SAR-ATR Based on Instance-Aware Transformer. Remote Sensing, 2022, 14, 1884.	4.0	6
43	Fast Registration of Multiview Slant-Range SAR Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
44	Channel Error Estimation Methods Comparison under Different Conditions for Multichannel HRWS SAR Systems. Journal of Computer and Communications, 2016, 04, 88-94.	0.9	5
45	Effects of residual motion compensation errors on the performance of airborne along-track interferometric SAR. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 1095-1106.	2.6	4
46	Focusing and parameter estimating of fluctuating target in high resolution spaceborne SAR. , 2016, , .		4
47	Unsupervised Mixture-Eliminating Estimation of Equivalent Number of Looks for PolSAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6767-6779.	6.3	4
48	Multiple mode SAR raw data simulation for GaoFen-3 mission evaluation. , 2017, , .		4
49	Analysis of the Azimuth Ambiguity and Imaging Area Restriction for Circular SAR Based on the Back-Projection Algorithm. Sensors, 2019, 19, 4920.	3.8	4
50	The First Attempt of SAR Visual-Inertial Odometry. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 287-304.	6.3	4
51	Effects of Motion Compensation Residual Error and Polarization Distortion on UAV-Borne PolInSAR. Remote Sensing, 2021, 13, 618.	4.0	4
52	Coprime Sensing for Airborne Array Interferometric SAR Tomography. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	4
53	An Improved Descalloping Method Combined With Imaging Parameters for GaoFen-3 ScanSAR. Remote Sensing, 2020, 12, 822.	4.0	3
54	Improving the Image Quality of Moving Ships for GF-3NG Based on Simultaneous AIS Information. Remote Sensing, 2021, 13, 1951.	4.0	3

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55	Effects of Motion Compensation Errors on Performance of Airborne Dual-antenna InSAR. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2014, 35, 559-567.	0.1	3
56	A Study of Recovering Polsar Information from Single-Polarized Data Using DNN. , 2021, , .		3
57	A Comparative Study on Classification Features between High-Resolution and Polarimetric SAR Images through Unsupervised Classification Methods. Remote Sensing, 2022, 14, 1412.	4.0	3
58	Winner Takes All: A Superpixel Aided Voting Algorithm for Training Unsupervised PolSAR CNN Classifiers. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	3
59	An approach for simulating SAR images of tanks by using shooting and bouncing rays. , 2015, , .		2
60	A fast automatic U-distribution segmentation algorithm for polsar images. , 2016, , .		2
61	Equivalent Complex Valued Deep Semantic Segmentation Network For SAR Images. , 2019, , .		2
62	Extraction and Analysis of the Scattering Stability in Urban Areas Based on Dual-Polarization SAR Data. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 427-431.	3.1	2
63	A High-Efficiency Automatic \$U\$ -Distribution Segmentation Algorithm for PolSAR Images. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 831-835.	3.1	2
64	Phase Imbalance Estimation for Azimuth Multi-Channel ScanSAR System. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3875-3886.	4.9	2
65	A Novel Polarimetric Channel Imbalance Phase Estimation Method Based on the Rotated Double-Bounce Backscatters in Urban Areas. Remote Sensing, 2022, 14, 3177.	4.0	2
66	Geolocation of HJ-1C satellite image using one GCP. , 2014, , .		1
67	Improved airborne PolSAR calibration algorithm based on time-variant attitude compensation. International Journal of Remote Sensing, 2015, 36, 3184-3195.	2.9	1
68	Intertidal area classification with generalized extreme value distribution and Markov random field in quad-polarimetric synthetic aperture radar imagery. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 253-264.	2.6	1
69	3D reconstruction and error analysis of multi-view spaceborne SAR images under different configurations. Journal of Engineering, 2019, 2019, 5758-5762.	1.1	1
70	An Approach of Feature Matching for Multi-Angle SAR Images of Man-Made Targets. , 2019, , .		1
71	ScanSAR Radiometric Correction and Analysis of GaoFen-3. , 2019, , .		1
72	Full-polarimetric scattering characteristics prediction from single/dual-polarimetric SAR data using convolutional neural networks. Journal of Engineering, 2019, 2019, 7459-7463.	1.1	1

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73	Unambiguous Imaging for Moving Targets in Maritime Scenarios with Dual Receive Channel Mode of GF-3 Satellite. , 2019, , .		1
74	Analysis of the Multipath Scattering Effects in High-Resolution SAR Images. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 616-620.	3.1	1
75	Motion Phase Compensation Methods for Azimuth Ambiguity Suppression in HRWS SAR. Remote Sensing, 2021, 13, 3543.	4.0	1
76	A Method for Correcting Saturation Effect in SAR Raw Data Based on Dynamic Decoding. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2014, 35, 2147-2153.	0.1	1
77	Multi-Rotor UAV-Borne PolInSAR Data Processing and Preliminary Analysis of Height Inversion in Urban Area. Remote Sensing, 2022, 14, 2161.	4.0	1
78	New SAR image interpretation method of aircraft based on joint time-frequency analysis. Journal of Electronics, 2014, 31, 325-333.	0.2	0
79	An Improved BAQ Encoding and Decoding Method for Improving the Quantized SNR of SAR Raw Data. Sensors, 2018, 18, 4221.	3.8	0
80	Curved-Path SAR Geolocation Error Analysis Based on BP Algorithm. , 2018, , .		0
81	Robust Beamformer based on Magnitude Response Constraint and Sparse Constraint. , 2019, , .		0
82	The Research on the Space-Time Variation of Phase Imbalance for GF-3 Azimuth Multichannel Mode. , 2019, , .		0
83	On The Use of CNN for Automated Quality Assessment of GF-3 Polarimetric Data. , 2019, , .		0
84	A Study On The Frequency And Azimuth Coherence Of High-Resolution SAR Image. , 2019, , .		0
85	Approach of SAR images simulations for target interpretations. Journal of Engineering, 2019, 2019, 7560-7562.	1.1	0