Xiao-Lan Qiu

List of Publications by Year
in descending order

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85	713	567281 15	677142 22
papers	citations	h-index	g-index

86	86	86	486
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fast Registration of Multiview Slant-Range SAR Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
2	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
3	A Robust Stereo Positioning Solution for Multiview Spaceborne SAR Images Based on the Rangeâ€“Doppler Model. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
4	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
5	Few-Shot SAR-ATR Based on Instance-Aware Transformer. Remote Sensing, 2022, 14, 1884.	4.0	6
6	Multi-Rotor UAV-Borne PolInSAR Data Processing and Preliminary Analysis of Height Inversion in Urban Area. Remote Sensing, 2022, 14, 2161.	4.0	1
7	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
8	Coprime Sensing for Airborne Array Interferometric SAR Tomography. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	4
9	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
10	The First Attempt of SAR Visual-Inertial Odometry. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 287-304.	6.3	4
11	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
12	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
13	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
14	Effects of Motion Compensation Residual Error and Polarization Distortion on UAV-Borne PolInSAR. Remote Sensing, 2021, 13, 618.	4.0	4
15	Unsupervised Classification of Polarimetric SAR Image Based on Geodesic Distance and Non-Gaussian Distribution Feature. Sensors, 2021, 21, 1317.	3.8	6
16	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
17	Improving the Image Quality of Moving Ships for GF-3NG Based on Simultaneous AIS Information. Remote Sensing, 2021, 13, 1951.	4.0	3
18	Motion Phase Compensation Methods for Azimuth Ambiguity Suppression in HRWS SAR. Remote Sensing, 2021, 13, 3543.	4.0	1

#	Article	IF	Citations
19	A Study of Recovering Polsar Information from Single-Polarized Data Using DNN. , 2021, , .		3
20	SRSDD-v1.0: A High-Resolution SAR Rotation Ship Detection Dataset. Remote Sensing, 2021, 13, 5104.	4.0	29
21	Analysis of the Multipath Scattering Effects in High-Resolution SAR Images. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 616-620.	3.1	1
22	A generic framework for improving the geopositioning accuracy of multi-source optical and SAR imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 169, 377-388.	11.1	10
23	A Method of Marine Moving Targets Detection in Multi-Channel ScanSAR System. Remote Sensing, 2020, 12, 3792.	4.0	6
24	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
25	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
26	An Improved Descalloping Method Combined With Imaging Parameters for GaoFen-3 ScanSAR. Remote Sensing, 2020, 12, 822.	4.0	3
27	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
28	Geolocation Accuracy Improvement of Multiobserved GF-3 Spaceborne SAR Imagery. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1747-1751.	3.1	8
29	Research on Turning Motion Targets and Velocity Estimation in High Resolution Spaceborne SAR. Sensors, 2020, 20, 2201.	3.8	8
30	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
31	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
32	Channel Imbalances and Along-Track Baseline Estimation for the GF-3 Azimuth Multichannel Mode. Remote Sensing, 2019, 11, 1297.	4.0	24
33	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
34	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
35	Curved-Path SAR Geolocation Error Analysis Based on BP Algorithm. IEEE Access, 2019, 7, 20337-20345.	4.2	6
36	Robust Beamformer based on Magnitude Response Constraint and Sparse Constraint. , 2019, , .		0

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37	3D reconstruction and error analysis of multiâ€view spaceâ€borne SAR images under different configurations. Journal of Engineering, 2019, 2019, 5758-5762.	1.1	1
38	An Approach of Feature Matching for Multi-Angle SAR Images of Man-Made Targets. , 2019, , .		1
39	ScanSAR Radiometric Correction and Analysis of GaoFen-3. , 2019, , .		1
40	The Research on the Space-Time Variation of Phase Imbalance for GF-3 Azimuth Multichannel Mode. , 2019, , .		0
41	Fullâ€polarimetric scattering characteristics prediction from single/dualâ€polarimetric SAR data using convolutional neural networks. Journal of Engineering, 2019, 2019, 7459-7463.	1.1	1
42	Equivalent Complex Valued Deep Semantic Segmentation Network For SAR Images. , 2019, , .		2
43	Unambiguous Imaging for Moving Targets in Maritime Scenarios with Dual Receive Channel Mode of GF-3 Satellite. , 2019, , .		1
44	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
45	On The Use of CNN for Automated Quality Assessment of GF-3 Polarimetric Data. , 2019, , .		0
46	A Study On The Frequency And Azimuth Coherence Of High-Resolution SAR Image. , 2019, , .		0
47	Approach of SAR images simulations for target interpretations. Journal of Engineering, 2019, 2019, 7560-7562.	1.1	0
48	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
49	A High-Efficiency Automatic U -Distribution Segmentation Algorithm for PolSAR Images. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 831-835.	3.1	2
50	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
51	An Improved BAQ Encoding and Decoding Method for Improving the Quantized SNR of SAR Raw Data. Sensors, 2018, 18, 4221.	3.8	0
52	Error Source Analysis and Correction of GF-3 Polarimetric Data. Remote Sensing, 2018, 10, 1685.	4.0	12
53	Curved-Path SAR Geolocation Error Analysis Based on BP Algorithm. , 2018, , .		0
54	Decimeter-Level Geolocation Accuracy Updated by a Parametric Tropospheric Model with GF-3. Sensors, 2018, 18, 2197.	3.8	7

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55	A Range Ambiguity Suppression Processing Method for Spaceborne SAR with Up and Down Chirp Modulation. Sensors, 2018, 18, 1454.	3.8	9
56	Geo-Positioning Accuracy Improvement of Multi-Mode GF-3 Satellite SAR Imagery Based on Error Sources Analysis. Sensors, 2018, 18, 2333.	3.8	15
57	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
58	A Quality Assessment Method Based on Common Distributed Targets for GF-3 Polarimetric SAR Data. Sensors, 2018, 18, 807.	3.8	20
59	The GF-3 SAR Data Processor. Sensors, 2018, 18, 835.	3.8	41
60	Velocity estimation of moving targets for spaceborne multichannel synthetic aperture radar systems based on equivalent alongâ€track interferometry technique. IET Radar, Sonar and Navigation, 2018, 12, 964-972.	1.8	6
61	Projection Shape Template-Based Ship Target Recognition in TerraSAR-X Images. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 222-226.	3.1	46
62	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
63	An Improved Shape Contexts Based Ship Classification in SAR Images. Remote Sensing, 2017, 9, 145.	4.0	13
64	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
65	Fast Vessel Detection in Gaofen-3 SAR Images with Ultrafine Strip-Map Mode. Sensors, 2017, 17, 1578.	3.8	26
66	Unambiguous Imaging of Static Scenes and Moving Targets with the First Chinese Dual-Channel Spaceborne SAR Sensor. Sensors, 2017, 17, 1709.	3.8	18
67	Multiple mode SAR raw data simulation for GaoFen-3 mission evaluation. , 2017, , .		4
68	Accurate seaâ€“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
69	Automated ortho-rectified SAR image of GF-3 satellite using Reverse-Range-Doppler method. , 2016, , .		13
70	Estimation Accuracy and CramÃ©râ€“Rao Lower Bounds for Errors in Multichannel HRWS SAR Systems. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1772-1776.	3.1	9
71	A fast automatic U-distribution segmentation algorithm for polsar images. , 2016, , .		2
72	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

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73	Focusing and parameter estimating of fluctuating target in high resolution spaceborne SAR. , 2016, , .		4
74	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
75	An approach for simulating SAR images of tanks by using shooting and bouncing rays. , 2015, , .		2
76	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
77	Study on geo-location of sliding spotlight mode of GF-3 satellite. , 2015, , .		6
78	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
79	Improved airborne PolSAR calibration algorithm based on time-variant attitude compensation. International Journal of Remote Sensing, 2015, 36, 3184-3195.	2.9	1
80	Geolocation of HJ-1C satellite image using one GCP. , 2014, , .		1
81	A subspaceâ€based channel calibration algorithm for geosynchronous satelliteâ€airborne bistatic multiâ€channel radars. IET Radar, Sonar and Navigation, 2014, 8, 1008-1017.	1.8	7
82	New SAR image interpretation method of aircraft based on joint time-frequency analysis. Journal of Electronics, 2014, 31, 325-333.	0.2	0
83	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
84	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
85	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