

Jun Shi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

891
citations

16
h-index

27
g-index

113
ext. papers

1,374
ext. citations

4.8
avg, IF

4.94
L-index

#	Paper	IF	Citations
78	Efficient Instance Segmentation Paradigm for Interpreting SAR and Optical Images. <i>Remote Sensing</i> , 2022 , 14, 531	5	4
77	Efficient ADMM Framework Based on Functional Measurement Model for mmW 3D SAR Imaging. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	1
76	Fast Multi-Shadow Tracking for Video-SAR Using Triplet Attention Mechanism. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 60, 1-12	8.1	1
75	IRNet: Interference Recognition Networks for Automotive Radars via Autocorrelation Features. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	0
74	Nonlocal Feature Selection EncoderDecoder Network for Accurate InSAR Phase Filtering. <i>Remote Sensing</i> , 2022 , 14, 1174	5	3
73	A High-Precision Motion Errors Compensation Method Based on Sub-Image Reconstruction for HRWS SAR Imaging. <i>Remote Sensing</i> , 2022 , 14, 1033	5	1
72	3D SAR Data-driven Imaging via Learned Low-Rank and Sparse Priors. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	2
71	A Novel Guided Anchor Siamese Network for Arbitrary Target-of-Interest Tracking in Video-SAR. <i>Remote Sensing</i> , 2021 , 13, 4504	5	2
70	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	
69	Label Noise Modeling and Correction via Loss Curve Fitting for SAR ATR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	1
68	A Lightweight Adaptive RoI Extraction Network for Precise Aerial Image Instance Segmentation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-17	5.2	7
67	SAR Ship Detection Based on an Improved Faster R-CNN Using Deformable Convolution 2021 ,		2
66	A Flexible Region of Interest Extraction Algorithm with Adaptive Threshold for 3-D Synthetic Aperture Radar Images. <i>Remote Sensing</i> , 2021 , 13, 4308	5	
65	Balance learning for ship detection from synthetic aperture radar remote sensing imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021 , 182, 190-207	11.8	17
64	Fast Bayesian Compressed Sensing Algorithm via Relevance Vector Machine for LASAR 3D Imaging. <i>Remote Sensing</i> , 2021 , 13, 1751	5	4
63	A joint sparse recovery algorithm for coprime adjacent array synthetic aperture radar 3D sparse imaging. <i>International Journal of Remote Sensing</i> , 2021 , 42, 6556-6576	3.1	1
62	Region adaptive morphological reconstruction fuzzy C-means for near-field 3-D SAR image target extraction 2021 , 113, 103036		3

61	CPISNet: Delving into Consistent Proposals of Instance Segmentation Network for High-Resolution Aerial Images. <i>Remote Sensing</i> , 2021 , 13, 2788	5	7
60	Semisupervised Learning-Based SAR ATR via Self-Consistent Augmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 4862-4873	8.1	26
59	Concealed Object Detection for Millimeter-Wave Images With Normalized Accumulation Map. <i>IEEE Sensors Journal</i> , 2021 , 21, 6468-6475	4	11
58	Self-Attention Bi-LSTM Networks for Radar Signal Modulation Recognition. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 1-1	4.1	5
57	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	19
56	SAR Ground Moving Target Refocusing by Combining mRe \square Network and TV \square LSTM. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	4
55	AF-AMPNet: A Deep Learning Approach for Sparse Aperture ISAR Imaging and Autofocusing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	13
54	Lightweight FISTA-Inspired Sparse Reconstruction Network for mmW 3-D Holography. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-20	8.1	5
53	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-22	8.1	26
52	Binary Clustering for Deep Network Trained by Feature Growth. <i>IEEE Access</i> , 2021 , 9, 8354-8366	3.5	
51	3DRIED: A High-Resolution 3-D Millimeter-Wave Radar Dataset Dedicated to Imaging and Evaluation. <i>Remote Sensing</i> , 2021 , 13, 3366	5	8
50	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 1537-1541	3.8	1
49	A Novel Sub-Image Local Area Minimum Entropy Reconstruction Method for HRWS SAR Adaptive Unambiguous Imaging. <i>Remote Sensing</i> , 2021 , 13, 3115	5	1
48	Sparsity-Driven ISAR Imaging via Hierarchical Channel-Mixed Framework. <i>IEEE Sensors Journal</i> , 2021 , 21, 19222-19235	4	1
47	A refocusing iterative optimization method based on the quad-beam mode for accurate estimation of the azimuth velocity of slow-moving targets using SAR. <i>Remote Sensing Letters</i> , 2021 , 12, 1100-1111	2.3	
46	SAR Ship Detection Dataset (SSDD): Official Release and Comprehensive Data Analysis. <i>Remote Sensing</i> , 2021 , 13, 3690	5	49
45	RMIST-Net: Joint Range Migration and Sparse Reconstruction Network for 3-D mmW Imaging. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-17	8.1	14
44	An RCS Measurement Method Using Sparse Imaging Based 3D SAR Complex Image. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	3

43	Nonline-of-Sight 3-D Imaging Using Millimeter-Wave Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-18	8.1	1
42	TPSSI-Net: Fast and Enhanced Two-Path Iterative Network for 3D SAR Sparse Imaging. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 7317-7332	8.7	6
41	A Phase Filtering Method with Scale Recurrent Networks for InSAR. <i>Remote Sensing</i> , 2020 , 12, 3453	5	6
40	HQ-ISNet: High-Quality Instance Segmentation for Remote Sensing Imagery. <i>Remote Sensing</i> , 2020 , 12, 989	5	36
39	PRI Modulation Recognition Based on Squeeze-and-Excitation Networks. <i>IEEE Communications Letters</i> , 2020 , 24, 1047-1051	3.8	10
38	Precise and Robust Ship Detection for High-Resolution SAR Imagery Based on HR-SDNet. <i>Remote Sensing</i> , 2020 , 12, 167	5	51
37	A Novel Ground Moving Target Radial Velocity Estimation Method for Dual-Beam Along-Track Interferometric Sar 2020 ,		2
36	Balanced Feature Pyramid Network for Ship Detection in Synthetic Aperture Radar Images 2020 ,		6
35	Shipdenet-18: An Only 1 Mb With Only 18 Convolution Layers Light-Weight Deep Learning Network For Sar Ship Detection 2020 ,		3
34	Semi-Supervised Learning-Based Remote Sensing Image Scene Classification Via Adaptive Perturbation Training 2020 ,		1
33	ISAR Compressive Sensing Imaging Using Convolution Neural Network with Interpretable Optimization 2020 ,		1
32	Ground Moving Target Tracking and Refocusing Using Shadow in Video-SAR. <i>Remote Sensing</i> , 2020 , 12, 3083	5	15
31	Unambiguous Reconstruction for Multichannel Nonuniform Sampling SAR Signal Based on Image Fusion. <i>IEEE Access</i> , 2020 , 8, 71558-71571	3.5	2
30	Automatic Modulation Recognition for Radar Signals via Multi-Branch ACSE Networks. <i>IEEE Access</i> , 2020 , 8, 94923-94935	3.5	6
29	HyperLi-Net: A hyper-light deep learning network for high-accurate and high-speed ship detection from synthetic aperture radar imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020 , 167, 123-153	11.8	46
28	. <i>IEEE Access</i> , 2020 , 8, 120234-120254	3.5	111
27	LS-SSDD-v1.0: A Deep Learning Dataset Dedicated to Small Ship Detection from Large-Scale Sentinel-1 SAR Images. <i>Remote Sensing</i> , 2020 , 12, 2997	5	57
26	CSR-Net: A Novel Complex-Valued Network for Fast and Precise 3-D Microwave Sparse Reconstruction. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 4476-4492	4.7	16

25	CIST: An Improved ISAR Imaging Method Using Convolution Neural Network. <i>Remote Sensing</i> , 2020 , 12, 2641	5	12
24	Three Dimensional Image-Based Radar Cross Section Extrapolation via Planar Projective Transforms. <i>IEEE Access</i> , 2019 , 7, 138990-139000	3.5	4
23	Ground Moving Target 2-D Velocity Estimation and Refocusing for Multichannel Maneuvering SAR with Fixed Acceleration. <i>Sensors</i> , 2019 , 19,	3.8	5
22	Geospatial Object Detection via Deconvolutional Region Proposal Network. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 3014-3027	4.7	18
21	Rotational Objects Recognition and Angle Estimation via Kernel-Mapping CNN. <i>IEEE Access</i> , 2019 , 7, 116505-116518	3.9	16
20	Ground slowly moving target detection and velocity estimation via high-speed platform dual-beam synthetic aperture radar. <i>Journal of Applied Remote Sensing</i> , 2019 , 13, 1	1.4	4
19	Ship Detection Based on RetinaNet-Plus for High-Resolution SAR Imagery 2019 ,		3
18	A Fast Sparse Recovery Algorithm via Resolution Approximation for LASAR 3D Imaging. <i>IEEE Access</i> , 2019 , 7, 178710-178725	3.5	7
17	Complex Background SAR Target Recognition Based on Convolution Neural Network 2019 ,		1
16	High-Speed Ship Detection in SAR Images by Improved Yolov3 2019 ,		13
15	High-Speed Aircraft Single Channel SAR-GMTI Based on Neural Network 2019 ,		1
14	3D SAR Image Background Separation Based on Seeded Region Growing. <i>IEEE Access</i> , 2019 , 7, 179842-179863	3.9	3
13	Depthwise Separable Convolution Neural Network for High-Speed SAR Ship Detection. <i>Remote Sensing</i> , 2019 , 11, 2483	5	65
12	Object Detection and Instance Segmentation in Remote Sensing Imagery Based on Precise Mask R-CNN 2019 ,		17
11	Deep Multi-Scale Recurrent Network for Synthetic Aperture Radar Images Despeckling. <i>Remote Sensing</i> , 2019 , 11, 2462	5	15
10	A synthetic bandwidth method based on frequency-domain back projection for stepped-frequency SAR. <i>Remote Sensing Letters</i> , 2017 , 8, 743-751	2.3	3
9	Image reconstruction method for stepped-frequency multichannel bistatic SAR. <i>Remote Sensing Letters</i> , 2017 , 8, 48-57	2.3	3
8	A novel synthetic bandwidth method based on BP imaging for stepped-frequency SAR. <i>Remote Sensing Letters</i> , 2016 , 7, 741-750	2.3	4

7	Multi-target positioning for passive sensor network via bistatic range space projection. <i>Science China Information Sciences</i> , 2016 , 59, 1-3	3.4	2
6	Plane-Wave Synthesis and RCS Extraction via 3-D Linear Array SAR. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 994-997	3.8	14
5	High-resolution synthetic aperture radar based on the IEEE 802.11 protocol. <i>Electronics Letters</i> , 2015 , 51, 1815-1817	1.1	4
4	Three GPU-Based Parallel Schemes for SAR Back Projection Imaging Algorithm 2014 ,		1
3	SPARSE ARRAY MICROWAVE 3-D IMAGING: COMPRESSED SENSING RECOVERY AND EXPERIMENTAL STUDY. <i>Progress in Electromagnetics Research</i> , 2013 , 135, 161-181	3.8	26
2	LINEAR ARRAY SAR IMAGING VIA COMPRESSED SENSING. <i>Progress in Electromagnetics Research</i> , 2011 , 117, 299-319	3.8	31
1	Airborne 3-D forward looking SAR imaging via chirp scaling algorithm 2011 ,		3