Shunjun Wei

List of Publications by Year in Descending Order

81 papers	**857** citations	**15** h-index	**26** g-index
112 ext. papers	**1,353** ext. citations	**4.7** avg, IF	**4.96** L-index

#	Paper	IF	Citations
81	Efficient Instance Segmentation Paradigm for Interpreting SAR and Optical Images. *Remote Sensing*, **2022**, 14, 531	5	4
80	Efficient ADMM Framework Based on Functional Measurement Model for mmW 3D SAR Imaging. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 1-1	8.1	1
79	Fast Multi-Shadow Tracking for Video-SAR Using Triplet Attention Mechanism. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 60, 1-12	8.1	1
78	IRNet: Interference Recognition Networks for Automotive Radars via Autocorrelation Features. *IEEE Transactions on Microwave Theory and Techniques*, **2022**, 1-1	4.1	0
77	Nonlocal Feature Selection EncoderDecoder Network for Accurate InSAR Phase Filtering. *Remote Sensing*, **2022**, 14, 1174	5	3
76	A High-Precision Motion Errors Compensation Method Based on Sub-Image Reconstruction for HRWS SAR Imaging. *Remote Sensing*, **2022**, 14, 1033	5	1
75	3D SAR Data-driven Imaging via Learned Low-Rank and Sparse Priors. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 1-1	8.1	2
74	A Sparse-Model-Driven Network for Efficient and High-Accuracy InSAR Phase Filtering. *Remote Sensing*, **2022**, 14, 2614	5	0
73	A Robust InSAR Phase Unwrapping Method via Phase Gradient Estimation Network. *Remote Sensing*, **2021**, 13, 4564	5	5
72	A Novel Guided Anchor Siamese Network for Arbitrary Target-of-Interest Tracking in Video-SAR. *Remote Sensing*, **2021**, 13, 4504	5	2
71	. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	
70	Label Noise Modeling and Correction via Loss Curve Fitting for SAR ATR. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-1	8.1	1
69	A Lightweight Adaptive RoI Extraction Network for Precise Aerial Image Instance Segmentation. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-17	5.2	7
68	SAR Ship Detection Based on an Improved Faster R-CNN Using Deformable Convolution **2021**,		2
67	A Flexible Region of Interest Extraction Algorithm with Adaptive Threshold for 3-D Synthetic Aperture Radar Images. *Remote Sensing*, **2021**, 13, 4308	5	
66	Balance learning for ship detection from synthetic aperture radar remote sensing imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2021**, 182, 190-207	11.8	17
65	Fast Bayesian Compressed Sensing Algorithm via Relevance Vector Machine for LASAR 3D Imaging. *Remote Sensing*, **2021**, 13, 1751	5	4

64	A joint sparse recovery algorithm for coprime adjacent array synthetic aperture radar 3D sparse imaging. *International Journal of Remote Sensing*, **2021**, 42, 6556-6576	3.1	1
63	Region adaptive morphological reconstruction fuzzy C-means for near-field 3-D SAR image target extraction **2021**, 113, 103036		3
62	CPISNet: Delving into Consistent Proposals of Instance Segmentation Network for High-Resolution Aerial Images. *Remote Sensing*, **2021**, 13, 2788	5	7
61	Semisupervised Learning-Based SAR ATR via Self-Consistent Augmentation. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 4862-4873	8.1	26
60	Self-Attention Bi-LSTM Networks for Radar Signal Modulation Recognition. *IEEE Transactions on Microwave Theory and Techniques*, **2021**, 1-1	4.1	5
59	. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-5	4.1	19
58	SAR Ground Moving Target Refocusing by Combining mRe Network and TV LSTM. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-14	8.1	4
57	AF-AMPNet: A Deep Learning Approach for Sparse Aperture ISAR Imaging and Autofocusing. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-14	8.1	13
56	Lightweight FISTA-Inspired Sparse Reconstruction Network for mmW 3-D Holography. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-20	8.1	5
55	. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-22	8.1	26
54	Binary Clustering for Deep Network Trained by Feature Growth. *IEEE Access*, **2021**, 9, 8354-8366	3.5	
53	3DRIED: A High-Resolution 3-D Millimeter-Wave Radar Dataset Dedicated to Imaging and Evaluation. *Remote Sensing*, **2021**, 13, 3366	5	8
52	. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 20, 1537-1541	3.8	1
51	A Novel Sub-Image Local Area Minimum Entropy Reconstruction Method for HRWS SAR Adaptive Unambiguous Imaging. *Remote Sensing*, **2021**, 13, 3115	5	1
50	Sparsity-Driven ISAR Imaging via Hierarchical Channel-Mixed Framework. *IEEE Sensors Journal*, **2021**, 21, 19222-19235	4	1
49	A refocusing iterative optimization method based on the quad-beam mode for accurate estimation of the azimuth velocity of slow-moving targets using SAR. *Remote Sensing Letters*, **2021**, 12, 1100-1111	2.3	
48	SAR Ship Detection Dataset (SSDD): Official Release and Comprehensive Data Analysis. *Remote Sensing*, **2021**, 13, 3690	5	49
47	RMIST-Net: Joint Range Migration and Sparse Reconstruction Network for 3-D mmW Imaging. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-17	8.1	14

46	An RCS Measurement Method Using Sparse Imaging Based 3D SAR Complex Image. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 1-1	3.8	3
45	Nonline-of-Sight 3-D Imaging Using Millimeter-Wave Radar. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-18	8.1	1
44	TPSSI-Net: Fast and Enhanced Two-Path Iterative Network for 3D SAR Sparse Imaging. *IEEE Transactions on Image Processing*, **2021**, 30, 7317-7332	8.7	6
43	FDBP-InSAR: An Efficient Algorithm for InSAR Imaging via Frequency Domain Back Projection. *Remote Sensing*, **2020**, 12, 3527	5	
42	A Phase Filtering Method with Scale Recurrent Networks for InSAR. *Remote Sensing*, **2020**, 12, 3453	5	6
41	HQ-ISNet: High-Quality Instance Segmentation for Remote Sensing Imagery. *Remote Sensing*, **2020**, 12, 989	5	36
40	Intra-pulse modulation radar signal recognition based on CLDN network. *IET Radar, Sonar and Navigation*, **2020**, 14, 803-810	1.4	15
39	ACSE Networks and Autocorrelation Features for PRI Modulation Recognition. *IEEE Communications Letters*, **2020**, 24, 1729-1733	3.8	7
38	Intra-pulse modulation radar signal recognition based on Squeeze-and-Excitation networks. *Signal, Image and Video Processing*, **2020**, 14, 1133-1141	1.6	5
37	PRI Modulation Recognition Based on Squeeze-and-Excitation Networks. *IEEE Communications Letters*, **2020**, 24, 1047-1051	3.8	10
36	Precise and Robust Ship Detection for High-Resolution SAR Imagery Based on HR-SDNet. *Remote Sensing*, **2020**, 12, 167	5	51
35	A Novel Ground Moving Target Radial Velocity Estimation Method for Dual-Beam Along-Track Interferometric Sar **2020**,		2
34	Balanced Feature Pyramid Network for Ship Detection in Synthetic Aperture Radar Images **2020**,		6
33	Shipdenet-18: An Only 1 Mb With Only 18 Convolution Layers Light-Weight Deep Learning Network For Sar Ship Detection **2020**,		3
32	Semi-Supervised Learning-Based Remote Sensing Image Scene Classification Via Adaptive Perturbation Training **2020**,		1
31	ISAR Compressive Sensing Imaging Using Convolution Neural Network with Interpretable Optimization **2020**,		1
30	Ground Moving Target Tracking and Refocusing Using Shadow in Video-SAR. *Remote Sensing*, **2020**, 12, 3083	5	15
29	Unambiguous Reconstruction for Multichannel Nonuniform Sampling SAR Signal Based on Image Fusion. *IEEE Access*, **2020**, 8, 71558-71571	3.5	2

28	Automatic Modulation Recognition for Radar Signals via Multi-Branch ACSE Networks. *IEEE Access*, **2020**, 8, 94923-94935	3.5	6
27	JRNet: Jamming Recognition Networks for Radar Compound Suppression Jamming Signals. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 15035-15045	6.8	19
26	HyperLi-Net: A hyper-light deep learning network for high-accurate and high-speed ship detection from synthetic aperture radar imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2020**, 167, 123-153	11.8	46
25	. *IEEE Access*, **2020**, 8, 120234-120254	3.5	111
24	LS-SSDD-v1.0: A Deep Learning Dataset Dedicated to Small Ship Detection from Large-Scale Sentinel-1 SAR Images. *Remote Sensing*, **2020**, 12, 2997	5	57
23	CSR-Net: A Novel Complex-Valued Network for Fast and Precise 3-D Microwave Sparse Reconstruction. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2020**, 13, 4476-4492	4.7	16
22	CIST: An Improved ISAR Imaging Method Using Convolution Neural Network. *Remote Sensing*, **2020**, 12, 2641	5	12
21	Three Dimensional Image-Based Radar Cross Section Extrapolation via Planar Projective Transforms. *IEEE Access*, **2019**, 7, 138990-139000	3.5	4
20	Ground Moving Target 2-D Velocity Estimation and Refocusing for Multichannel Maneuvering SAR with Fixed Acceleration. *Sensors*, **2019**, 19,	3.8	5
19	Geospatial Object Detection via Deconvolutional Region Proposal Network. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2019**, 12, 3014-3027	4.7	18
18	Rotational Objects Recognition and Angle Estimation via Kernel-Mapping CNN. *IEEE Access*, **2019**, 7, 116505-116518	3.5	6
17	Ground slowly moving target detection and velocity estimation via high-speed platform dual-beam synthetic aperture radar. *Journal of Applied Remote Sensing*, **2019**, 13, 1	1.4	4
16	SAR 3D sparse imaging based on CLA. *Journal of Engineering*, **2019**, 2019, 5543-5547	0.7	1
15	Ship Detection Based on RetinaNet-Plus for High-Resolution SAR Imagery **2019**,		3
14	Efficient autofocus of small multi-rotor UAV SAR by minimum entropy BP algorithm. *Journal of Engineering*, **2019**, 2019, 7356-7359	0.7	1
13	A Fast Sparse Recovery Algorithm via Resolution Approximation for LASAR 3D Imaging. *IEEE Access*, **2019**, 7, 178710-178725	3.5	7
12	High-Speed Ship Detection in SAR Images by Improved Yolov3 **2019**,		13
11	High-Speed Aircraft Single Channel SAR-GMTI Based on Neural Network **2019**,		1

10	3D SAR Image Background Separation Based on Seeded Region Growing. *IEEE Access*, **2019**, 7, 179842-179863		3
9	Depthwise Separable Convolution Neural Network for High-Speed SAR Ship Detection. *Remote Sensing*, **2019**, 11, 2483	5	65
8	Object Detection and Instance Segmentation in Remote Sensing Imagery Based on Precise Mask R-CNN **2019**,		17
7	Deep Multi-Scale Recurrent Network for Synthetic Aperture Radar Images Despeckling. *Remote Sensing*, **2019**, 11, 2462	5	15
6	Fast back-projection autofocus for linear array SAR 3-D imaging via maximum sharpness **2018**,		6
5	A synthetic bandwidth method based on frequency-domain back projection for stepped-frequency SAR. *Remote Sensing Letters*, **2017**, 8, 743-751	2.3	3
4	Image reconstruction method for stepped-frequency multichannel bistatic SAR. *Remote Sensing Letters*, **2017**, 8, 48-57	2.3	3
3	A novel synthetic bandwidth method based on BP imaging for stepped-frequency SAR. *Remote Sensing Letters*, **2016**, 7, 741-750	2.3	4
2	Three GPU-Based Parallel Schemes for SAR Back Projection Imaging Algorithm **2014**,		1
1	Resolution enhancement of SAR image using the modified IBP method **2010**,		1