Liming Zhou

List of Publications by Citations

76 papers	734 citations	14 h-index	24 g-index
130 ext. papers	1,100 ext. citations	4.5 avg, IF	5.16 L-index

#	Paper	IF	Citations
76	High-Speed Ship Detection in SAR Images Based on a Grid Convolutional Neural Network. *Remote Sensing*, **2019**, 11, 1206	5	76
75	Depthwise Separable Convolution Neural Network for High-Speed SAR Ship Detection. *Remote Sensing*, **2019**, 11, 2483	5	65
74	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
73	Precise and Robust Ship Detection for High-Resolution SAR Imagery Based on HR-SDNet. *Remote Sensing*, **2020**, 12, 167	5	51
72	SAR Ship Detection Dataset (SSDD): Official Release and Comprehensive Data Analysis. *Remote Sensing*, **2021**, 13, 3690	5	49
71	ShipDeNet-20: An Only 20 Convolution Layers and . *IEEE Geoscience and Remote Sensing Letters*, **2021**, 18, 1234-1238	4.1	45
70	HQ-ISNet: High-Quality Instance Segmentation for Remote Sensing Imagery. *Remote Sensing*, **2020**, 12, 989	5	36
69	A Less-Memory and High-Efficiency Autofocus Back Projection Algorithm for SAR Imaging. *IEEE Geoscience and Remote Sensing Letters*, **2015**, 12, 890-894	4.1	31
68	Semisupervised Learning-Based SAR ATR via Self-Consistent Augmentation. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 4862-4873	8.1	26
67	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
66	Ground Moving Target Tracking and Refocusing Using Shadow in Video-SAR. *Remote Sensing*, **2020**, 12, 3083	5	15
65	Deep Multi-Scale Recurrent Network for Synthetic Aperture Radar Images Despeckling. *Remote Sensing*, **2019**, 11, 2462	5	15
64	Plane-Wave Synthesis and RCS Extraction via 3-D Linear Array SAR. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 994-997	3.8	14
63	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
62	High-Speed Ship Detection in SAR Images by Improved Yolov3 **2019**,		13
61	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
60	CIST: An Improved ISAR Imaging Method Using Convolution Neural Network. *Remote Sensing*, **2020**, 12, 2641	5	12

59	Squeeze-and-Excitation Laplacian Pyramid Network with Dual-Polarization Feature Fusion for Ship Classification in SAR Images. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-1	4.1	11
58	3DRIED: A High-Resolution 3-D Millimeter-Wave Radar Dataset Dedicated to Imaging and Evaluation. *Remote Sensing*, **2021**, 13, 3366	5	8
57	Study on Spaceborne/Airborne Hybrid Bistatic SAR Image Formation in Frequency Domain. *IEEE Geoscience and Remote Sensing Letters*, **2008**, 5, 578-582	4.1	7
56	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
55	CPISNet: Delving into Consistent Proposals of Instance Segmentation Network for High-Resolution Aerial Images. *Remote Sensing*, **2021**, 13, 2788	5	7
54	A Fast Sparse Recovery Algorithm via Resolution Approximation for LASAR 3D Imaging. *IEEE Access*, **2019**, 7, 178710-178725	3.5	7
53	A Phase Filtering Method with Scale Recurrent Networks for InSAR. *Remote Sensing*, **2020**, 12, 3453	5	6
52	Fast back-projection autofocus for linear array SAR 3-D imaging via maximum sharpness **2018**,		6
51	Balanced Feature Pyramid Network for Ship Detection in Synthetic Aperture Radar Images **2020**,		6
50	A multi-frame track-before-detect algorithm for maneuvering targets in radar system **2016**,		6
49	Ground Moving Target 2-D Velocity Estimation and Refocusing for Multichannel Maneuvering SAR with Fixed Acceleration. *Sensors*, **2019**, 19,	3.8	5
48	Self-Attention Bi-LSTM Networks for Radar Signal Modulation Recognition. *IEEE Transactions on Microwave Theory and Techniques*, **2021**, 1-1	4.1	5
47	Lightweight FISTA-Inspired Sparse Reconstruction Network for mmW 3-D Holography. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-20	8.1	5
46	A novel synthetic bandwidth method based on BP imaging for stepped-frequency SAR. *Remote Sensing Letters*, **2016**, 7, 741-750	2.3	4
45	High-resolution synthetic aperture radar based on the IEEE 802.11 protocol. *Electronics Letters*, **2015**, 51, 1815-1817	1.1	4
44	Efficient Nonuniform Fourier Reconstruction for Spaceborne/Airborne Bistatic SAR. *IEEE Geoscience and Remote Sensing Letters*, **2014**, 11, 191-195	4.1	4
43	Efficient Instance Segmentation Paradigm for Interpreting SAR and Optical Images. *Remote Sensing*, **2022**, 14, 531	5	4
42	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

41	A synthetic bandwidth method based on frequency-domain back projection for stepped-frequency SAR. *Remote Sensing Letters*, **2017**, 8, 743-751	2.3	3
40	Image reconstruction method for stepped-frequency multichannel bistatic SAR. *Remote Sensing Letters*, **2017**, 8, 48-57	2.3	3
39	Fusion of Multifocus Images by Combining Edge Maps and the Sum-Modified-Laplacian Technique **2011**,		3
38	Airborne 3-D forward looking SAR imaging via chirp scaling algorithm **2011**,		3
37	Shipdenet-18: An Only 1 Mb With Only 18 Convolution Layers Light-Weight Deep Learning Network For Sar Ship Detection **2020**,		3
36	Region adaptive morphological reconstruction fuzzy C-means for near-field 3-D SAR image target extraction **2021**, 113, 103036		3
35	3D SAR Image Background Separation Based on Seeded Region Growing. *IEEE Access*, **2019**, 7, 179842-179863	3.9	3
34	An RCS Measurement Method Using Sparse Imaging Based 3D SAR Complex Image. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 1-1	3.8	3
33	Nonlocal Feature Selection Encoder–Decoder Network for Accurate InSAR Phase Filtering. *Remote Sensing*, **2022**, 14, 1174	5	3
32	Network Cost Based Node Selection Strategy for Multiple Target Tracking in Netted Radar System **2019**,		2
31	Elevation-Dependent Frequency-Domain Imaging for General Bistatic SAR. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2015**, 8, 5553-5564	4.7	2
30	Range cell migration correction for bistatic SAR image formation **2012**,		2
29	Three-Dimensional Sparse SAR Imaging with Generalized Lq Regularization. *Remote Sensing*, **2022**, 14, 288	5	2
28	A Novel Ground Moving Target Radial Velocity Estimation Method for Dual-Beam Along-Track Interferometric Sar **2020**,		2
27	SAR Ship Detection Based on an Improved Faster R-CNN Using Deformable Convolution **2021**,		2
26	Unambiguous Reconstruction for Multichannel Nonuniform Sampling SAR Signal Based on Image Fusion. *IEEE Access*, **2020**, 8, 71558-71571	3.5	2
25	SSB Pruned DFT-Spread FBMC Signal With Low PAPR in Direct-Detection PONs. *IEEE Photonics Journal*, **2020**, 12, 1-13	1.8	2
24	Multi-target positioning for passive sensor network via bistatic range space projection. *Science China Information Sciences*, **2016**, 59, 1-3	3.4	2

23	Multi-Twin-SSB Modulation with Direct Detection Based on Kramers–Kronig Scheme for Long-Reach PON Downstream. *Applied Sciences (Switzerland)*, **2019**, 9, 748	2.6	2
22	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
21	Hierarchical and iterative multi-target positioning via imaging strategy **2016**,		1
20	Three GPU-Based Parallel Schemes for SAR Back Projection Imaging Algorithm **2014**,		1
19	Resolution enhancement of SAR image using the modified IBP method **2010**,		1
18	Nonlinear RCMC method for spaceborne/airborne forward-looking bistatic SAR. *Journal of Systems Engineering and Electronics*, **2012**, 23, 201-207	1.3	1
17	Semi-Supervised Learning-Based Remote Sensing Image Scene Classification Via Adaptive Perturbation Training **2020**,		1
16	ISAR Compressive Sensing Imaging Using Convolution Neural Network with Interpretable Optimization **2020**,		1
15	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
14	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
13	High-Speed Aircraft Single Channel SAR-GMTI Based on Neural Network **2019**,		1
12	A Novel Sub-Image Local Area Minimum Entropy Reconstruction Method for HRWS SAR Adaptive Unambiguous Imaging. *Remote Sensing*, **2021**, 13, 3115	5	1
11	Sparsity-Driven ISAR Imaging via Hierarchical Channel-Mixed Framework. *IEEE Sensors Journal*, **2021**, 21, 19222-19235	4	1
10	Nonline-of-Sight 3-D Imaging Using Millimeter-Wave Radar. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-18	8.1	1
9	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
8	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
7	A High-Precision Motion Errors Compensation Method Based on Sub-Image Reconstruction for HRWS SAR Imaging. *Remote Sensing*, **2022**, 14, 1033	5	1
6	A Sparse-Model-Driven Network for Efficient and High-Accuracy InSAR Phase Filtering. *Remote Sensing*, **2022**, 14, 2614	5	0

5	FDBP-InSAR: An Efficient Algorithm for InSAR Imaging via Frequency Domain Back Projection. *Remote Sensing*, **2020**, 12, 3527	5
4	*. IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9
3	A Flexible Region of Interest Extraction Algorithm with Adaptive Threshold for 3-D Synthetic Aperture Radar Images. *Remote Sensing*, **2021**, 13, 4308	5
2	Binary Clustering for Deep Network Trained by Feature Growth. *IEEE Access*, **2021**, 9, 8354-8366	3.5
1	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