Liming Zhou

List of Publications by Year in Descending Order

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	Efficient Instance Segmentation Paradigm for Interpreting SAR and Optical Images. *Remote Sensing*, **2022**, 14, 531	5	4
75	Three-Dimensional Sparse SAR Imaging with Generalized Lq Regularization. *Remote Sensing*, **2022**, 14, 288	5	2
74	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
73	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
72	Nonlocal Feature Selection EncoderDecoder Network for Accurate InSAR Phase Filtering. *Remote Sensing*, **2022**, 14, 1174	5	3
71	A High-Precision Motion Errors Compensation Method Based on Sub-Image Reconstruction for HRWS SAR Imaging. *Remote Sensing*, **2022**, 14, 1033	5	1
70	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
69	A Sparse-Model-Driven Network for Efficient and High-Accuracy InSAR Phase Filtering. *Remote Sensing*, **2022**, 14, 2614	5	0
68	. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	
67	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
66	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
65	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
64	SAR Ship Detection Based on an Improved Faster R-CNN Using Deformable Convolution **2021**,		2
63	A Flexible Region of Interest Extraction Algorithm with Adaptive Threshold for 3-D Synthetic Aperture Radar Images. *Remote Sensing*, **2021**, 13, 4308	5	
62	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
61	Region adaptive morphological reconstruction fuzzy C-means for near-field 3-D SAR image target extraction **2021**, 113, 103036		3
60	CPISNet: Delving into Consistent Proposals of Instance Segmentation Network for High-Resolution Aerial Images. *Remote Sensing*, **2021**, 13, 2788	5	7

59	ShipDeNet-20: An Only 20 Convolution Layers and . *IEEE Geoscience and Remote Sensing Letters*, **2021**, 18, 1234-1238	4.1	45
58	Semisupervised Learning-Based SAR ATR via Self-Consistent Augmentation. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 4862-4873	8.1	26
57	Self-Attention Bi-LSTM Networks for Radar Signal Modulation Recognition. *IEEE Transactions on Microwave Theory and Techniques*, **2021**, 1-1	4.1	5
56	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
55	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
54	Lightweight FISTA-Inspired Sparse Reconstruction Network for mmW 3-D Holography. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-20	8.1	5
53	Binary Clustering for Deep Network Trained by Feature Growth. *IEEE Access*, **2021**, 9, 8354-8366	3.5	
52	3DRIED: A High-Resolution 3-D Millimeter-Wave Radar Dataset Dedicated to Imaging and Evaluation. *Remote Sensing*, **2021**, 13, 3366	5	8
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	FDBP-InSAR: An Efficient Algorithm for InSAR Imaging via Frequency Domain Back Projection. *Remote Sensing*, **2020**, 12, 3527	5	
43	A Phase Filtering Method with Scale Recurrent Networks for InSAR. *Remote Sensing*, **2020**, 12, 3453	5	6
42	HQ-ISNet: High-Quality Instance Segmentation for Remote Sensing Imagery. *Remote Sensing*, **2020**, 12, 989	5	36

41	Precise and Robust Ship Detection for High-Resolution SAR Imagery Based on HR-SDNet. *Remote Sensing*, **2020**, 12, 167	5	51
40	A Novel Ground Moving Target Radial Velocity Estimation Method for Dual-Beam Along-Track Interferometric Sar **2020**,		2
39	Balanced Feature Pyramid Network for Ship Detection in Synthetic Aperture Radar Images **2020**,		6
38	Shipdenet-18: An Only 1 Mb With Only 18 Convolution Layers Light-Weight Deep Learning Network For Sar Ship Detection **2020**,		3
37	Semi-Supervised Learning-Based Remote Sensing Image Scene Classification Via Adaptive Perturbation Training **2020**,		1
36	ISAR Compressive Sensing Imaging Using Convolution Neural Network with Interpretable Optimization **2020**,		1
35	Ground Moving Target Tracking and Refocusing Using Shadow in Video-SAR. *Remote Sensing*, **2020**, 12, 3083	5	15
34	Unambiguous Reconstruction for Multichannel Nonuniform Sampling SAR Signal Based on Image Fusion. *IEEE Access*, **2020**, 8, 71558-71571	3.5	2
33	SSB Pruned DFT-Spread FBMC Signal With Low PAPR in Direct-Detection PONs. *IEEE Photonics Journal*, **2020**, 12, 1-13	1.8	2
32	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
31	CIST: An Improved ISAR Imaging Method Using Convolution Neural Network. *Remote Sensing*, **2020**, 12, 2641	5	12
30	Ground Moving Target 2-D Velocity Estimation and Refocusing for Multichannel Maneuvering SAR with Fixed Acceleration. *Sensors*, **2019**, 19,	3.8	5
29	High-Speed Ship Detection in SAR Images Based on a Grid Convolutional Neural Network. *Remote Sensing*, **2019**, 11, 1206	5	76
28	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
27	Network Cost Based Node Selection Strategy for Multiple Target Tracking in Netted Radar System **2019**,		2
26	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
25	A Fast Sparse Recovery Algorithm via Resolution Approximation for LASAR 3D Imaging. *IEEE Access*, **2019**, 7, 178710-178725	3.5	7
24	High-Speed Ship Detection in SAR Images by Improved Yolov3 **2019**,		13

23   High-Speed Aircraft Single Channel SAR-GMTI Based on Neural Network **2019**,   1

22   3D SAR Image Background Separation Based on Seeded Region Growing. *IEEE Access*, **2019**, 7, 179842-179863   3.9   3

21   Depthwise Separable Convolution Neural Network for High-Speed SAR Ship Detection. *Remote Sensing*, **2019**, 11, 2483   5   65

20   Deep Multi-Scale Recurrent Network for Synthetic Aperture Radar Images Despeckling. *Remote Sensing*, **2019**, 11, 2462   5   15

19   Fast back-projection autofocus for linear array SAR 3-D imaging via maximum sharpness **2018**,   6

18   A synthetic bandwidth method based on frequency-domain back projection for stepped-frequency SAR. *Remote Sensing Letters*, **2017**, 8, 743-751   2.3   3

17   Image reconstruction method for stepped-frequency multichannel bistatic SAR. *Remote Sensing Letters*, **2017**, 8, 48-57   2.3   3

16   Hierarchical and iterative multi-target positioning via imaging strategy **2016**,   1

15   A novel synthetic bandwidth method based on BP imaging for stepped-frequency SAR. *Remote Sensing Letters*, **2016**, 7, 741-750   2.3   4

14   A multi-frame track-before-detect algorithm for maneuvering targets in radar system **2016**,   6

13   Multi-target positioning for passive sensor network via bistatic range space projection. *Science China Information Sciences*, **2016**, 59, 1-3   3.4   2

12   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

11   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

10   High-resolution synthetic aperture radar based on the IEEE 802.11 protocol. *Electronics Letters*, **2015**, 51, 1815-1817   1.1   4

9   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

8   Three GPU-Based Parallel Schemes for SAR Back Projection Imaging Algorithm **2014**,   1

7   Efficient Nonuniform Fourier Reconstruction for Spaceborne/Airborne Bistatic SAR. *IEEE Geoscience and Remote Sensing Letters*, **2014**, 11, 191-195   4.1   4

6   Range cell migration correction for bistatic SAR image formation **2012**,   2

5	Nonlinear RCMC method for spaceborne/airborne forward-looking bistatic SAR. *Journal of Systems Engineering and Electronics*, **2012**, 23, 201-207	1.3	1
4	Fusion of Multifocus Images by Combining Edge Maps and the Sum-Modified-Laplacian Technique **2011**,		3
3	Airborne 3-D forward looking SAR imaging via chirp scaling algorithm **2011**,		3
2	Resolution enhancement of SAR image using the modified IBP method **2010**,		1
1	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