

Lamei Zhang

List of Publications by Citations

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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.

51
papers

289
citations

8
h-index

14
g-index

74
ext. papers

395
ext. citations

4
avg, IF

3.9
L-index

#	Paper	IF	Citations
51	Multiple-Component Scattering Model for Polarimetric SAR Image Decomposition. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2008 , 5, 603-607	4.1	69
50	Automatic Design of CNNs via Differentiable Neural Architecture Search for PolSAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 6362-6375	8.1	19
49	Eigen-Decomposition-Based Four-Component Decomposition for PolSAR Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 1286-1296	4.7	19
48	Efficiently utilizing complex-valued PolSAR image data via a multi-task deep learning framework. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 157, 59-72	11.8	17
47	Polarimetric SAR Terrain Classification Using 3D Convolutional Neural Network 2018 ,		16
46	PolSAR Image Classification with Lightweight 3D Convolutional Networks. <i>Remote Sensing</i> , 2020 , 12, 396	5	14
45	A Multi-GPU Accelerated Parallel Domain Decomposition One-Step Leapfrog ADI-FDTD. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 816-820	3.8	11
44	Efficient one-step leapfrog ADI-FDTD for far-field scattering calculation of lossy media. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 1876-1881	1.2	8
43	Independent and Commutable Target Decomposition of PolSAR Data Using a Mapping From SU(4) to SO(6). <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 3396-3407	8.1	7
42	Object-Based Classification of PolSAR Images Based on Spatial and Semantic Features. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 609-619	4.7	7
41	A novel super-resolution method of PolSAR images based on target decomposition and polarimetric spatial correlation. <i>International Journal of Remote Sensing</i> , 2011 , 32, 4893-4913	3.1	7
40	Unsupervised Deep Representation Learning and Few-Shot Classification of PolSAR Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 1-16	8.1	7
39	Ship detection in a large scene SAR image using image uniformity description factor 2017 ,		5
38	Similarity-enhanced target detection algorithm using polarimetric SAR images. <i>International Journal of Remote Sensing</i> , 2012 , 33, 6149-6162	3.1	5
37	Attention-Based Polarimetric Feature Selection Convolutional Network for PolSAR Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 1-5	4.1	5
36	General three-layer scattering model for forest parameter estimation using single-baseline polarimetric interferometry synthetic aperture radar data. <i>Journal of Applied Remote Sensing</i> , 2015 , 9, 096043	1.4	4
35	Coastline detection based on polarimetric characteristics and mathematical morphology using PolSAR images 2017 ,		4

34	An extended multiple-component scattering model for PolSAR images. <i>International Journal of Remote Sensing</i> , 2009 , 30, 5515-5525	3.1	4
33	High-Resolution PolSAR Image Interpretation Based on Human Image Cognition Mechanism. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 1-11	4.7	4
32	Independent Target Detection of PolSAR Image Joint Polarimetric and Spatial Features Based on Adaptive Convolution Sparse Representation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1533-1537	4.1	3
31	Improved SLIC superpixel generation algorithm and its application in polarimetric SAR images classification 2017 ,		3
30	POLSAR image classification using BP neural network based on Quantum Clonal Evolutionary Algorithm 2010 ,		3
29	Stokes matrix polarimetric similarity parameter and its application in target detection. <i>Remote Sensing Letters</i> , 2012 , 3, 93-100	2.3	3
28	Exploring Vision Transformers for Polarimetric SAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	3
27	An FDTD-Based Method for Difference Scattering From a Target Above a Randomly Rough Surface. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 2427-2432	4.9	3
26	Heterogeneous CPU+GPU-Accelerated FDTD for Scattering Problems With Dynamic Load Balancing. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6734-6742	4.9	2
25	Docked Ships Detection Using PolSAR Image Based on GOPSO-SVM 2019 ,		2
24	Polarimetric SAR image classification using Multiple-Component Scattering Model and Support Vector Machine 2009 ,		2
23	Scattering Mechanism Analysis of Man-Made Targets via Polarimetric SAR Observation Simulation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 1-1	4.7	2
22	Polsar Image Classification via Complex-Valued Multi-Scale Convolutional Neural Network 2020 ,		2
21	Polarimetric Semivariogram-Based Spatial Scale Selection for PolSAR Image Segmentation With Mean-Shift Algorithm. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 18, 1239-1243	4.1	2
20	Densely Connected Convolutional Neural Network Based Polarimetric SAR Image Classification 2019 ,		2
19	Built-Up Area Extraction Using High-Resolution SAR Images Based on Spectral Reconfiguration. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 18, 1391-1395	4.1	2
18	An Improved CFAR Scheme for Man-Made Target Detection in High Resolution SAR Images 2018 ,		2
17	Multi-GPU based Leapfrog CDI-FDTD Method for Large-Scale Electromagnetic Problems 2021 ,		2

16	Hybrid Parallel FDTD Calculation Method Based on MPI for Electrically Large Objects. <i>Wireless Communications and Mobile Computing</i> , 2019 , 2019, 1-9	1.9	1
15	Classification of fully polarimetric SAR images based on ensemble learning and feature integration 2014 ,		1
14	Forest height estimation from PolInSAR image using adaptive decomposition method 2012 ,		1
13	Target detection based on granularity computing of quotient space theory using SAR image 2010 ,		1
12	Vehicle Detection Based on Semantic-Context Enhancement for High Resolution SAR Images in Complex Background. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-1	4.1	1
11	PolSAR Image Classification Based on Object-Based Markov Random Field With Polarimetric Auxiliary Label Field. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1558-1562	4.1	1
10	Adaptive Spatial Constraint Sparse Representation for Target Detection in PolSAR Image 2019 ,		1
9	Joint Polarimetric-Adjacent Features Based on LCSR for PolSAR Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 6230-6243	4.7	1
8	Man-Made Target Detection of PolSAR Image Based on Local Convolution Sparse Representation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	1
7	Ship Detection Using PolSAR Images Based on Simulated Annealing by Fuzzy Matching. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	1
6	A Three-Layer Scattering Model of the Slope Forest Area for Polarimetric SAR Interferometry 2018 ,		1
5	Multilevel Information Fusion-Based Change Detection for Multiangle PolSAR Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	1
4	Incident Plane-Wave Source Formulations for Leapfrog Complying-Divergence Implicit FDTD Method. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2022 , 1-1	1.5	1
3	A Slope Three-Layer Scattering Model for Forest Parameter Inversion of PolInSAR. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 1-5	4.1	
2	Implementation and optimization of GPU-based parallel one-step leapfrog ADI-FDTD for far-field scattering problems. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, e22382	1.5	
1	Unconditionally stable FDTD-based approach for scattering from an object above random rough surface. <i>Waves in Random and Complex Media</i> , 1-18	1.9	