

Lamei Zhang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4116956/lamei-zhang-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
50	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
49	Exploring Vision Transformers for Polarimetric SAR Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	3
48	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
47	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
46	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
45	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
44	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
43	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
42	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
41	Multilevel Information Fusion-Based Change Detection for Multiangle PolSAR Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	1
40	Multi-GPU based Leapfrog CDI-FDTD Method for Large-Scale Electromagnetic Problems 2021 ,		2
39	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	
38	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
37	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
36	PolSAR Image Classification with Lightweight 3D Convolutional Networks. <i>Remote Sensing</i> , 2020 , 12, 396	5	14
35	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

34	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 ³	4.1	3
33	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
32	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
31	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
30	Polsar Image Classification via Complex-Valued Multi-Scale Convolutional Neural Network 2020 ,		2
29	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
28	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
27	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	
26	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
25	Docked Ships Detection Using PolSAR Image Based on GOPSO-SVM 2019 ,		2
24	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
23	Adaptive Spatial Constraint Sparse Representation for Target Detection in PolSAR Image 2019 ,		1
22	Densely Connected Convolutional Neural Network Based Polarimetric SAR Image Classification 2019 ,		2
21	A Three-Layer Scattering Model of the Slope Forest Area for Polarimetric SAR Interferometry 2018 ,		1
20	An Improved CFAR Scheme for Man-Made Target Detection in High Resolution SAR Images 2018 ,		2
19	Polarimetric SAR Terrain Classification Using 3D Convolutional Neural Network 2018 ,		16
18	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
17	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

16	Coastline detection based on polarimetric characteristics and mathematical morphology using PolSAR images 2017 ,		4
15	Improved SLIC superpixel generation algorithm and its application in polarimetric SAR images classification 2017 ,		3
14	Ship detection in a large scene SAR image using image uniformity description factor 2017 ,		5
13	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
12	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
11	Classification of fully polarimetric SAR images based on ensemble learning and feature integration 2014 ,		1
10	Forest height estimation from PolInSAR image using adaptive decomposition method 2012 ,		1
9	Similarity-enhanced target detection algorithm using polarimetric SAR images. <i>International Journal of Remote Sensing</i> , 2012 , 33, 6149-6162	3-1	5
8	Stokes matrix polarimetric similarity parameter and its application in target detection. <i>Remote Sensing Letters</i> , 2012 , 3, 93-100	2-3	3
7	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
6	Target detection based on granularity computing of quotient space theory using SAR image 2010 ,		1
5	POLSAR image classification using BP neural network based on Quantum Clonal Evolutionary Algorithm 2010 ,		3
4	An extended multiple-component scattering model for PolSAR images. <i>International Journal of Remote Sensing</i> , 2009 , 30, 5515-5525	3-1	4
3	Polarimetric SAR image classification using Multiple-Component Scattering Model and Support Vector Machine 2009 ,		2
2	Multiple-Component Scattering Model for Polarimetric SAR Image Decomposition. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2008 , 5, 603-607	4-1	69
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	