Mercedes E Paoletti

List of Publications by Year
in descending order

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62 papers	3,537 citations	218677 26 h-index	175258 52 g-index
63 all docs	63 docs citations	63 times ranked	2548 citing authors

#	Article	IF	Citations
1	GPU-Friendly Neural Networks for Remote Sensing Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
2	Separable Attention Network in Single- and Mixed-Precision Floating Point for Land-Cover Classification of Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
3	Endmember Estimation From Hyperspectral Images Using Geometric Distances. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
4	Generative Adversarial Minority Oversampling for Spectralâ€“Spatial Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	44
5	Multiple Attention-Guided Capsule Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-20.	6.3	27
6	Efficient Semantic Segmentation of Hyperspectral Images Using Adaptable Rectangular Convolution. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	9
7	Fast Orthogonal Projection for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	6
8	Heterogeneous gradient computing optimization for scalable deep neural networks. Journal of Supercomputing, 2022, 78, 13455-13469.	3.6	1
9	Remote Sensing Image Classification Using CNNs With Balanced Gradient for Distributed Heterogeneous Computing. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
10	Hyperspectral Anomaly Detection With Relaxed Collaborative Representation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	19
11	Multibranch Selective Kernel Networks for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1089-1093.	3.1	28
12	U-IMG2DSM: Unpaired Simulation of Digital Surface Models With Generative Adversarial Networks. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1288-1292.	3.1	15
13	FLOP-Reduction Through Memory Allocations Within CNN for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5938-5952.	6.3	29
14	Ghostnet for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10378-10393.	6.3	73
15	Analysis of Remotely Sensed Images Through Social Media. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3026-3039.	4.9	2
16	Endmember Estimation with Maximum Distance Analysis. Remote Sensing, 2021, 13, 713.	4.0	13
17	Deep mixed precision for hyperspectral image classification. Journal of Supercomputing, 2021, 77, 9190-9201.	3.6	6
18	A New Max-Min Convolutional Network for Hyperspectral Image Classification. , 2021, , .		5

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19	Heterogeneous model parallelism for deep neural networks. Neurocomputing, 2021, 441, 1-12.	5.9	7
20	Distributed Deep Learning for Remote Sensing Data Interpretation. Proceedings of the IEEE, 2021, 109, 1320-1349.	21.3	16
21	Adaptable Convolutional Network for Hyperspectral Image Classification. Remote Sensing, 2021, 13, 3637.	4.0	5
22	SiCoDeFÂ² Net: Siamese Convolution Deconvolution Feature Fusion Network for One-Shot Classification. IEEE Access, 2021, 9, 118419-118434.	4.2	5
23	Morphological Convolutional Neural Networks for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8689-8702.	4.9	41
24	Neighboring Region Dropout for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1032-1036.	3.1	11
25	A Single Model CNN for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2516-2529.	6.3	87
26	Neural Ordinary Differential Equations for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1718-1734.	6.3	14
27	Rotation Equivariant Convolutional Neural Networks for Hyperspectral Image Classification. IEEE Access, 2020, 8, 179575-179591.	4.2	24
28	Cloud Implementation of Multinomial Logistic Regression for UAV Hyperspectral Images. IEEE Journal on Miniaturization for Air and Space Systems, 2020, 1, 163-171.	2.7	13
29	A New GPU Implementation of Support Vector Machines for Fast Hyperspectral Image Classification. Remote Sensing, 2020, 12, 1257.	4.0	32
30	Scalable recurrent neural network for hyperspectral image classification. Journal of Supercomputing, 2020, 76, 8866-8882.	3.6	44
31	Training deep neural networks: a static load balancing approach. Journal of Supercomputing, 2020, 76, 9739-9754.	3.6	10
32	Training Capsnets via Active Learning for Hyperspectral Image Classification. , 2020, , .		2
33	Inference in Supervised Spectral Classifiers for On-Board Hyperspectral Imaging: An Overview. Remote Sensing, 2020, 12, 534.	4.0	33
34	Deep Pyramidal Residual Networks for Spectralâ€“Spatial Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 740-754.	6.3	347
35	Cloud Deep Networks for Hyperspectral Image Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9832-9848.	6.3	23
36	GPU Parallel Implementation of Dual-Depth Sparse Probabilistic Latent Semantic Analysis for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3156-3167.	4.9	11

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37	Remote Sensing Image Superresolution Using Deep Residual Channel Attention. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9277-9289.	6.3	67
38	Visual Attention-Driven Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8065-8080.	6.3	185
39	Hyperspectral Image Classification Using Random Occlusion Data Augmentation. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1751-1755.	3.1	86
40	Remote Sensing Single-Image Superresolution Based on a Deep Compendium Model. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1432-1436.	3.1	45
41	Open Multi-Processing Acceleration for Unsupervised Land Cover Categorization Using Probabilistic Latent Semantic Analysis. , 2019, , .		0
42	Solving Deep Neural Networks with Ordinary Differential Equations for Remotely Sensed Hyperspectral Image Classification. , 2019, , .		1
43	Accessibility-Free Active Learning for Hyperspectral Image Classification. , 2019, , .		1
44	Efficient Convolutional Neural Network for Spectral-Spatial Hyperspectral Denoising. , 2019, , .		2
45	Deep learning classifiers for hyperspectral imaging: A review. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 158, 279-317.	11.1	580
46	Feature Extraction With Multiscale Covariance Maps for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 755-769.	6.3	182
47	Capsule Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2145-2160.	6.3	261
48	Lowâ€“High-Power Consumption Architectures for Deep-Learning Models Applied to Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 776-780.	3.1	31
49	Estudio Comparativo de TÃ©cnicas de ClasificaciÃ³n de ImÃ¡genes Hiperespectrales. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2019, 16, 129.	1.0	14
50	A new deep convolutional neural network for fast hyperspectral image classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 120-147.	11.1	418
51	An Investigation on Self-Normalized Deep Neural Networks for Hyperspectral Image Classification. , 2018, , .		5
52	Inter-Sensor Regression Analysis for Operational Sentinel-2 and Sentinel-3 Data Products. , 2018, , .		0
53	Remote Sensing Image Fusion Using Hierarchical Multimodal Probabilistic Latent Semantic Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4982-4993.	4.9	54
54	Evaluation of Different Regularization Methods for the Extreme Learning Machine Applied to Hyperspectral Images. , 2018, , .		1

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55	Deep&Dense Convolutional Neural Network for Hyperspectral Image Classification. Remote Sensing, 2018, 10, 1454.	4.0	85
56	Multimodal Probabilistic Latent Semantic Analysis for Sentinel-1 and Sentinel-2 Image Fusion. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1347-1351.	3.1	30
57	A New Deep Generative Network for Unsupervised Remote Sensing Single-Image Super-Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6792-6810.	6.3	129
58	Active Learning With Convolutional Neural Networks for Hyperspectral Image Classification Using a New Bayesian Approach. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6440-6461.	6.3	210
59	Fast dimensionality reduction and classification of hyperspectral images with extreme learning machines. Journal of Real-Time Image Processing, 2018, 15, 439-462.	3.5	35
60	Cloud implementation of the K-means algorithm for hyperspectral image analysis. Journal of Supercomputing, 2017, 73, 514-529.	3.6	86
61	Onboard payload-data dimensionality reduction. , 2017, , .		2
62	Multicore implementation of the multi-scale adaptive deep pyramid matching model for remotely sensed image classification. , 2017, , .		3