

# Puhong Duan

## List of Publications by Year in descending order

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87  
papers

7,510  
citations

125106

35  
h-index

120465

65  
g-index

88  
all docs

88  
docs citations

88  
times ranked

4525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fog Model-Based Hyperspectral Image Defogging. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	15
2	Spatial Dynamic Selection Network for Remote-Sensing Image Fusion. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	2
3	Edge-Preserving Filtering-Based Dehazing for Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	10
4	Curvature Filters-Based Multiscale Feature Extraction for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	8
5	Polygon Structure-Guided Hyperspectral Image Classification With Single Sample for Strong Geometric Characteristics Scenes. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	14
6	A Robust UAV Hyperspectral Image Stitching Method Based on Deep Feature Matching. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	6
7	Multilayer Global Spectral-Spatial Attention Network for Wetland Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	15
8	Semisupervised Semantic Segmentation of Remote Sensing Images With Consistency Self-Training. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	8
9	Self-supervised learning-based oil spill detection of hyperspectral images. Science China Technological Sciences, 2022, 65, 793-801.	2.0	40
10	Multi-View Structural Feature Extraction for Hyperspectral Image Classification. Remote Sensing, 2022, 14, 1971.	1.8	9
11	Interactformer: Interactive Transformer and CNN for Hyperspectral Image Super-Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	24
12	Mixed Noise Removal for Hyperspectral Image With $\ell_0$ - $\ell_{1-2}$ SSTV Regularization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5371-5387.	2.3	6
13	Unsupervised Domain Adaptation Semantic Segmentation for Remote-Sensing Images via Covariance Attention. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	4
14	Deep Unsupervised Embedding for Remotely Sensed Images Based on Spatially Augmented Momentum Contrast. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2598-2610.	2.7	57
15	Pan-Sharpener via Multiscale Dynamic Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2231-2244.	2.7	27
16	Regularizing Hyperspectral and Multispectral Image Fusion by CNN Denoiser. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1124-1135.	7.2	179
17	Fusion of Dual Spatial Information for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7726-7738.	2.7	87
18	Robust Normalized Softmax Loss for Deep Metric Learning-Based Characterization of Remote Sensing Images With Label Noise. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8798-8811.	2.7	20

#	ARTICLE	IF	CITATIONS
19	Attribute filter based infrared and visible image fusion. Information Fusion, 2021, 75, 41-54.	11.7	36
20	Noise-Tolerant Deep Neighborhood Embedding for Remotely Sensed Images With Label Noise. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2551-2562.	2.3	10
21	The Potential of Machine Learning for a More Responsible Sourcing of Critical Raw Materials. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8971-8988.	2.3	16
22	Polygonal Partition-Based Hyperspectral Image Classification with Single Labeled Sample. , 2021, , .		0
23	HNU-HMiF: A UAV-Borne Dataset for Hyperspectral and Multispectral Image Fusion. , 2021, , .		0
24	Edge Guided Structure Extraction for Hyperspectral Image Classification. , 2021, , .		1
25	A Comparative Study of Noise Sensitivity on Different Hyperspectral Classification Methods. , 2021, , .		1
26	Robust Deep Metric Learning for Remote Sensing Images with Noisy Annotations. , 2021, , .		0
27	Seam-Cutting Based Unmanned Aerial Vehicle Hyperspectral Image Stitching. , 2021, , .		0
28	Hyperspectral Anomaly Detection With Kernel Isolation Forest. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 319-329.	2.7	104
29	Electromagnetic Induction Heating and Image Fusion of Silicon Photovoltaic Cell Electrothermography and Electroluminescence. IEEE Transactions on Industrial Informatics, 2020, 16, 4413-4422.	7.2	14
30	Game Theory-Based Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2965-2976.	2.7	16
31	Multichannel Pulse-Coupled Neural Network-Based Hyperspectral Image Visualization. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2444-2456.	2.7	34
32	Hyperspectral image visualization with edge-preserving filtering and principal component analysis. Information Fusion, 2020, 57, 130-143.	11.7	42
33	Comprehensive Review of Deep Reinforcement Learning Methods and Applications in Economics. Mathematics, 2020, 8, 1640.	1.1	87
34	Data Science in Economics: Comprehensive Review of Advanced Machine Learning and Deep Learning Methods. Mathematics, 2020, 8, 1799.	1.1	82
35	Component Decomposition-Based Hyperspectral Resolution Enhancement for Mineral Mapping. Remote Sensing, 2020, 12, 2903.	1.8	13
36	Multilevel Structure Extraction-Based Multi-Sensor Data Fusion. Remote Sensing, 2020, 12, 4034.	1.8	7

#	ARTICLE	IF	CITATIONS
37	Feature Extraction for Hyperspectral Imagery: The Evolution From Shallow to Deep: Overview and Toolbox. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 60-88.	4.9	373
38	Texture-aware total variation-based removal of sun glint in hyperspectral images. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 166, 359-372.	4.9	47
39	Multiscale Feature Extraction with Gaussian Curvature Filter for Hyperspectral Image Classification. , 2020, , .		5
40	Multilabel Sample Augmentation-Based Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4263-4278.	2.7	15
41	Sun Glint Removal of Hyperspectral Images via Texture-Aware Total Variation. , 2020, , .		2
42	Noise Analysis of Hyperspectral Images Captured by Different Sensors. , 2020, , .		0
43	Intrinsic Image Decomposition-Based Resolution Enhancement for Mineral Mapping. , 2020, , .		3
44	A Two-Stage Multi-Focus Image Fusion Framework Robust to Image Mis-Registration. IEEE Access, 2019, 7, 123231-123243.	2.6	9
45	Fusion of Multiple Edge-Preserving Operations for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 10336-10349.	2.7	92
46	Noise-Robust Hyperspectral Image Classification via Multi-Scale Total Variation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1948-1962.	2.3	87
47	Convolutional Neural Network for Natural Color Visualization of Hyperspectral Images. , 2019, , .		6
48	The Utilization of Multi-Label Samples For Hyperspectral Image Classification. , 2019, , .		0
49	Isolation Forest for Anomaly Detection in Hyperspectral Images. , 2019, , .		10
50	Feature extraction from hyperspectral images using learned edge structures. Remote Sensing Letters, 2019, 10, 244-253.	0.6	9
51	Semi-supervised deep learning for hyperspectral image classification. Remote Sensing Letters, 2019, 10, 353-362.	0.6	26
52	Dual-Path Network-Based Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 447-451.	1.4	60
53	Density Peak-Based Noisy Label Detection for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1573-1584.	2.7	59
54	Hyperspectral Image Classification via Fusing Correlation Coefficient and Joint Sparse Representation. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 340-344.	1.4	82

#	ARTICLE	IF	CITATIONS
55	Classification of Hyperspectral Images by Gabor Filtering Based Deep Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1166-1178.	2.3	129
56	Detection and Correction of Mislabeled Training Samples for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5673-5686.	2.7	75
57	Extended Random Walker for Shadow Detection in Very High Resolution Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 867-876.	2.7	55
58	The Effect of Ground Truth on Accuracy Indexes in Hyperspectral Image Classification. , 2018, , .		0
59	Multi-Scale Structure Extraction for Hyperspectral Image Classification. , 2018, , .		1
60	Hyperspectral Anomaly Detection With Multiscale Attribute and Edge-Preserving Filters. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1605-1609.	1.4	61
61	The Effect of Ground Truth on Performance Evaluation of Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 7195-7206.	2.7	22
62	Decolorization-Based Hyperspectral Image Visualization. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4346-4360.	2.7	44
63	Pixel-level image fusion: A survey of the state of the art. Information Fusion, 2017, 33, 100-112.	11.7	880
64	A novel infrared and visible image fusion algorithm based on shift-invariant dual-tree complex shearlet transform and sparse representation. Neurocomputing, 2017, 226, 182-191.	3.5	102
65	PCA-Based Edge-Preserving Features for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 7140-7151.	2.7	273
66	Hyperspectral Anomaly Detection With Attribute and Edge-Preserving Filters. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5600-5611.	2.7	291
67	Ship Detection in Optical Satellite Image Based on RX Method and PCAnet. Sensing and Imaging, 2017, 18, 1.	1.0	3
68	Random-Walker-Based Collaborative Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 212-222.	2.7	58
69	Gabor filtering based deep network for hyperspectral image classification. , 2017, , .		10
70	Shadow detection in very high-resolution satellite images by extended random walker. , 2017, , .		1
71	Hyperspectral image classification: A benchmark. , 2017, , .		5
72	Hyperspectral image classification based on KNN sparse representation. , 2016, , .		30

#	ARTICLE	IF	CITATIONS
73	Spectral-spatial Hyperspectral Image Classification Based on KNN. Sensing and Imaging, 2016, 17, 1.	1.0	111
74	Hyperspectral Image Classification Via Shape-Adaptive Joint Sparse Representation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 556-567.	2.3	108
75	High resolution visible image completion of urban region using corresponding hyperspectral image. , 2015, , .		0
76	Intrinsic Image Decomposition for Feature Extraction of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2241-2253.	2.7	148
77	Spectral-spatial Classification of Hyperspectral Images With a Superpixel-Based Discriminative Sparse Model. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4186-4201.	2.7	229
78	Extended Random Walker-Based Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 144-153.	2.7	104
79	Spectral-spatial hyperspectral classification via shape-adaptive sparse representation. , 2014, , .		0
80	Extended random walkers for hyperspectral image classification. , 2014, , .		2
81	Spectral-spatial Hyperspectral Image Classification With Edge-Preserving Filtering. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2666-2677.	2.7	614
82	Spectral-spatial Hyperspectral Image Classification via Multiscale Adaptive Sparse Representation. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7738-7749.	2.7	286
83	Pansharpening Based on Intrinsic Image Decomposition. Sensing and Imaging, 2014, 15, 1.	1.0	5
84	Feature Extraction of Hyperspectral Images With Image Fusion and Recursive Filtering. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3742-3752.	2.7	248
85	Image matting for fusion of multi-focus images in dynamic scenes. Information Fusion, 2013, 14, 147-162.	11.7	290
86	Image Fusion With Guided Filtering. IEEE Transactions on Image Processing, 2013, 22, 2864-2875.	6.0	1,240
87	Fast multi-exposure image fusion with median filter and recursive filter. IEEE Transactions on Consumer Electronics, 2012, 58, 626-632.	3.0	204