

Wei-Wei Sun

List of Publications by Year in descending order

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101
papers

3,384
citations

126907

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g-index

101
all docs

101
docs citations

101
times ranked

2585
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral Band Selection: A Review. IEEE Geoscience and Remote Sensing Magazine, 2019, 7, 118-139.	9.6	270
2	Evaluation of the ERA5 reanalysis precipitation dataset over Chinese Mainland. Journal of Hydrology, 2021, 595, 125660.	5.4	185
3	Band Selection Using Improved Sparse Subspace Clustering for Hyperspectral Imagery Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2784-2797.	4.9	151
4	Graph-Regularized Fast and Robust Principal Component Analysis for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3185-3195.	6.3	125
5	R-CNN-Based Ship Detection from High Resolution Remote Sensing Imagery. Remote Sensing, 2019, 11, 631.	4.0	110
6	Self-Paced Joint Sparse Representation for the Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1183-1194.	6.3	101
7	Low-Rank and Sparse Representation for Hyperspectral Image Processing: A review. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 10-43.	9.6	94
8	A Large-Scale Benchmark Data Set for Evaluating Pansharpening Performance: Overview and Implementation. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 18-52.	9.6	92
9	The Advanced Hyperspectral Imager: Aboard China's GaoFen-5 Satellite. IEEE Geoscience and Remote Sensing Magazine, 2019, 7, 23-32.	9.6	84
10	A Sparse and Low-Rank Near-Isometric Linear Embedding Method for Feature Extraction in Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4032-4046.	6.3	81
11	Fast and Latent Low-Rank Subspace Clustering for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3906-3915.	6.3	81
12	Spatial-Spectral Squeeze-and-Excitation Residual Network for Hyperspectral Image Classification. Remote Sensing, 2019, 11, 884.	4.0	79
13	UL-Isomap based nonlinear dimensionality reduction for hyperspectral imagery classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 89, 25-36.	11.1	72
14	A Dissimilarity-Weighted Sparse Self-Representation Method for Band Selection in Hyperspectral Imagery Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4374-4388.	4.9	72
15	Discriminative Transfer Joint Matching for Domain Adaptation in Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 972-976.	3.1	66
16	Hyperspectral and Multispectral Classification for Coastal Wetland Using Depthwise Feature Interaction Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	56
17	Fast and Robust Self-Representation Method for Hyperspectral Band Selection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 5087-5098.	4.9	55
18	Pansharpening for Cloud-Contaminated Very High-Resolution Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2840-2854.	6.3	54

#	ARTICLE	IF	CITATIONS
19	A Hierarchical Classification Framework of Satellite Multispectral/Hyperspectral Images for Mapping Coastal Wetlands. <i>Remote Sensing</i> , 2019, 11, 2238.	4.0	51
20	Self-Paced Nonnegative Matrix Factorization for Hyperspectral Unmixing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 1501-1515.	6.3	50
21	Modelling Seasonal GWR of Daily PM2.5 with Proper Auxiliary Variables for the Yangtze River Delta. <i>Remote Sensing</i> , 2017, 9, 346.	4.0	46
22	Lateral-Slice Sparse Tensor Robust Principal Component Analysis for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 107-111.	3.1	44
23	An Integrated Method for Reconstructing Daily MODIS Land Surface Temperature Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 1026-1040.	4.9	42
24	Correntropy-Based Sparse Spectral Clustering for Hyperspectral Band Selection. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 484-488.	3.1	41
25	MLR-DBPFN: A Multi-Scale Low Rank Deep Back Projection Fusion Network for Anti-Noise Hyperspectral and Multispectral Image Fusion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	41
26	Expansion Analysis of Yangtze River Delta Urban Agglomeration Using DMSP/OLS Nighttime Light Imagery for 1993 to 2012. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 52.	2.9	40
27	A Randomized Subspace Learning Based Anomaly Detector for Hyperspectral Imagery. <i>Remote Sensing</i> , 2018, 10, 417.	4.0	40
28	Nonlinear Dimensionality Reduction via the ENH-LTSA Method for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 375-388.	4.9	39
29	A simple and effective spectral-spatial method for mapping large-scale coastal wetlands using China ZY1-02D satellite hyperspectral images. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 104, 102572.	2.8	39
30	LiteDepthwiseNet: A Lightweight Network for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	38
31	Fusing China GF-5 Hyperspectral Data with GF-1, GF-2 and Sentinel-2A Multispectral Data: Which Methods Should Be Used?. <i>Remote Sensing</i> , 2020, 12, 882.	4.0	36
32	A Band Divide-and-Conquer Multispectral and Hyperspectral Image Fusion Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-13.	6.3	35
33	Accuracy Evaluation of Two High-Resolution Satellite-Based Rainfall Products: TRMM 3B42V7 and CMORPH in Shanghai. <i>Water (Switzerland)</i> , 2018, 10, 40.	2.7	34
34	A Coarse-to-Fine Deep Learning Based Land Use Change Detection Method for High-Resolution Remote Sensing Images. <i>Remote Sensing</i> , 2020, 12, 1933.	4.0	34
35	Spatio-temporal analysis and simulation on shallow rainfall-induced landslides in China using landslide susceptibility dynamics and rainfall I-D thresholds. <i>Science China Earth Sciences</i> , 2017, 60, 720-732.	5.2	33
36	A Semisupervised Siamese Network for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-17.	6.3	32

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37	Mapping Coastal Wetlands Using Transformer in Transformer Deep Network on China ZY1-02D Hyperspectral Satellite Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3891-3903.	4.9	32
38	Pure endmember extraction using robust kernel archetypoid analysis for hyperspectral imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 131, 147-159.	11.1	31
39	A Symmetric Sparse Representation Based Band Selection Method for Hyperspectral Imagery Classification. Remote Sensing, 2016, 8, 238.	4.0	30
40	Hyperspectral Band Selection Using Weighted Kernel Regularization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3665-3676.	4.9	30
41	A Full-Coverage Daily Average PM2.5 Retrieval Method with Two-Stage IWV Fused MODIS C6 AOD and Two-Stage GAM Model. Remote Sensing, 2019, 11, 1558.	4.0	29
42	Analysis of regional economic development based on land use and land cover change information derived from Landsat imagery. Scientific Reports, 2020, 10, 12721.	3.3	28
43	Hydrological Analysis Using Satellite Remote Sensing Big Data and CREST Model. IEEE Access, 2018, 6, 9006-9016.	4.2	27
44	Hyperspectral and LiDAR Data Classification Using Kernel Collaborative Representation Based Residual Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1963-1973.	4.9	26
45	A Band-Weighted Support Vector Machine Method for Hyperspectral Imagery Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1710-1714.	3.1	23
46	3-D Gabor Convolutional Neural Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	22
47	A Dual Global-Local Attention Network for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	22
48	A Novel Approach to Subpixel Land-Cover Change Detection Based on a Supervised Back-Propagation Neural Network for Remotely Sensed Images With Different Resolutions. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1750-1754.	3.1	21
49	Joint Classification of Hyperspectral and Multispectral Images for Mapping Coastal Wetlands. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 982-996.	4.9	21
50	Multiscale Context-Aware Ensemble Deep KELM for Efficient Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5114-5130.	6.3	21
51	Randomized subspace-based robust principal component analysis for hyperspectral anomaly detection. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	21
52	Generalized Linear Spectral Mixing Model for Spatial-Temporal Spectral Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	21
53	Statistical and Hydrological Evaluations of Multi-Satellite Precipitation Products over Fujiang River Basin in Humid Southeast China. Remote Sensing, 2018, 10, 1898.	4.0	20
54	Deep Residual Network-Based Fusion Framework for Hyperspectral and LiDAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2458-2472.	4.9	20

#	ARTICLE	IF	CITATIONS
55	Graph Embedding and Distribution Alignment for Domain Adaptation in Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7654-7666.	4.9	20
56	A Locally Optimized Model for Hyperspectral and Multispectral Images Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	20
57	Band selection using sparse nonnegative matrix factorization with the thresholded Earth's mover distance for hyperspectral imagery classification. Earth Science Informatics, 2015, 8, 907-918.	3.2	19
58	Investigating Spatiotemporal Patterns of Surface Urban Heat Islands in the Hangzhou Metropolitan Area, China, 2000-2015. Remote Sensing, 2019, 11, 1553.	4.0	18
59	A Multiscale Spectral Features Graph Fusion Method for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	18
60	Log-Euclidean Kernel-Based Joint Sparse Representation for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 5023-5034.	4.9	17
61	Rainstorm-induced shallow landslides process and evaluation - a case study from three hot spots, China. Geomatics, Natural Hazards and Risk, 2016, 7, 1908-1918.	4.3	16
62	A General Loss-Based Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	14
63	Elucidating the impacts of rapid urban expansion on air quality in the Yangtze River Delta, China. Science of the Total Environment, 2021, 799, 149426.	8.0	14
64	A public Cloud-based China's Landslide Inventory Database (CsLID): development, zone, and spatiotemporal analysis for significant historical events, 1949-2011. Journal of Mountain Science, 2016, 13, 1275-1285.	2.0	13
65	Evaluation of University Project Based on Partial Least Squares and Dynamic Back Propagation Neural Network Group. IEEE Access, 2019, 7, 69494-69503.	4.2	13
66	Collaborative Coupled Hyperspectral Unmixing Based Subpixel Change Detection for Analyzing Coastal Wetlands. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8208-8224.	4.9	13
67	A Blind Full-Resolution Quality Evaluation Method for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	12
68	A Label Similarity Probability Filter for Hyperspectral Image Postclassification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6897-6905.	4.9	12
69	Diagnostic Analysis on Change Vector Analysis Methods for LCCD Using Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10199-10212.	4.9	11
70	A New Adaptive Remote Sensing Extraction Algorithm for Complex Muddy Coast Waterline. Remote Sensing, 2022, 14, 861.	4.0	11
71	Improving CHIRPS Daily Satellite-Precipitation Products Using Coarser Ground Observations. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1678-1682.	3.1	10
72	A Comparative Study of Four Merging Approaches for Regional Precipitation Estimation. IEEE Access, 2021, 9, 33625-33637.	4.2	10

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73	ESSINet: Efficient Spatial Spectral Interaction Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	10
74	Hyperspectral Anomaly Detection Using Compressed Columnwise Robust Principal Component Analysis. , 2018, , .		9
75	Evaluating three satellite-based precipitation products of different spatial resolutions in Shanghai based on upscaling of rain gauge. International Journal of Remote Sensing, 2019, 40, 5875-5891.	2.9	9
76	Hyperspectral and LiDAR Data Fusion Classification Using Superpixel Segmentation-Based Local Pixel Neighborhood Preserving Embedding. Remote Sensing, 2019, 11, 550.	4.0	9
77	Effective multi-satellite precipitation fusion procedure conditioned by gauge background fields over the Chinese mainland. Journal of Hydrology, 2022, 610, 127783.	5.4	9
78	Recurrent Feedback Convolutional Neural Network for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	8
79	Ideal Regularized Discriminative Multiple Kernel Subspace Alignment for Domain Adaptation in Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5833-5846.	4.9	7
80	Excessive Rainfall Is the Key Meteorological Limiting Factor for Winter Wheat Yield in the Middle and Lower Reaches of the Yangtze River. Agronomy, 2022, 12, 50.	3.0	7
81	On the Generation of Gapless and Seamless Daily Surface Reflectance Data. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4289-4306.	6.3	6
82	LiteSCANet: An Efficient Lightweight Network Based on Spectral and Channel-Wise Attention for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11655-11668.	4.9	6
83	Diversity-Driven Multikernel Collaborative Representation Ensemble for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2861-2876.	4.9	6
84	Corrections to "Multiscale Context-Aware Ensemble Deep KELM for Efficient Hyperspectral Image Classification". IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-1.	6.3	6
85	A sparse self-representation method for band selection in hyperspectral imagery classification. , 2015, , .		5
86	A Probabilistic Weighted Archetypal Analysis Method with Earth Mover's Distance for Endmember Extraction from Hyperspectral Imagery. Remote Sensing, 2017, 9, 841.	4.0	5
87	A large-scale remote sensing database for subjective and objective quality assessment of pansharpened images. Journal of Visual Communication and Image Representation, 2020, 73, 102947.	2.8	5
88	Multiscale Low-Rank Spatial Features for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
89	SARF: A Simple, Adjustable, and Robust Fusion Method. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
90	Adaptive Local Discriminant Analysis and Distribution Matching for Domain Adaptation in Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4797-4808.	4.9	5

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91	Extracting pure endmembers using symmetric sparse representation for hyperspectral imagery. Journal of Applied Remote Sensing, 2016, 10, 045023.	1.3	2
92	Feature extraction using near-isometric linear embeddings for hyperspectral imagery classification. , 2016, , .		2
93	Convolutional Neural Network for Coastal Wetland Classification in Hyperspectral Image. , 2020, , .		2
94	Distribution Alignment and Discriminative Feature Learning for Domain Adaptation in Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
95	Investigating GF-5 Hyperspectral and GF-1 Multispectral Data Fusion Methods for Multitemporal Change Analysis. , 2019, , .		1
96	Ideal Regularized Kernel Subspace Alignment for Unsupervised Domain Adaptation in Hyperspectral Image Classification. , 2019, , .		1
97	A New Method for Constructing 3-D Crustal Deformation Field From Single InSAR-LOS Data. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
98	Investigating metrological and geographical effect in remote sensing retrieval of PM2.5 concentration in Yangtze River Delta. , 2016, , .		1
99	Cauchy NMF for Hyperspectral Unmixing. , 2020, , .		1
100	Pure endmember extraction using SSR for Hyperspectral imagery. , 2016, , .		0
101	Fine Classification Comparison of GF-1 GF-5 and Landsat-8 Remote Sensing Data Based on Optimized Sample Selection Method. , 2019, , .		0