

Pedram Ghamisi

List of Publications by Year in descending order

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155
papers

15,750
citations

23567

58
h-index

16650

123
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161
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161
docs citations

161
times ranked

8982
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Feature Extraction and Classification of Hyperspectral Images Based on Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6232-6251.	6.3	2,064
2	Deep Learning for Hyperspectral Image Classification: An Overview. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6690-6709.	6.3	977
3	Deep Recurrent Neural Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3639-3655.	6.3	937
4	Advanced Spectral Classifiers for Hyperspectral Images: A review. IEEE Geoscience and Remote Sensing Magazine, 2017, 5, 8-32.	9.6	893
5	Advances in Hyperspectral Image and Signal Processing: A Comprehensive Overview of the State of the Art. IEEE Geoscience and Remote Sensing Magazine, 2017, 5, 37-78.	9.6	533
6	Generative Adversarial Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5046-5063.	6.3	497
7	Support Vector Machine Versus Random Forest for Remote Sensing Image Classification: A Meta-Analysis and Systematic Review. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 6308-6325.	4.9	401
8	Cascaded Recurrent Neural Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5384-5394.	6.3	394
9	Feature Extraction for Hyperspectral Imagery: The Evolution From Shallow to Deep: Overview and Toolbox. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 60-88.	9.6	373
10	Feature Selection Based on Hybridization of Genetic Algorithm and Particle Swarm Optimization. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 309-313.	3.1	364
11	A Survey on Spectral-Spatial Classification Techniques Based on Attribute Profiles. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2335-2353.	6.3	312
12	Multisource and Multitemporal Data Fusion in Remote Sensing: A Comprehensive Review of the State of the Art. IEEE Geoscience and Remote Sensing Magazine, 2019, 7, 6-39.	9.6	302
13	New Frontiers in Spectral-Spatial Hyperspectral Image Classification: The Latest Advances Based on Mathematical Morphology, Markov Random Fields, Segmentation, Sparse Representation, and Deep Learning. IEEE Geoscience and Remote Sensing Magazine, 2018, 6, 10-43.	9.6	255
14	An efficient method for segmentation of images based on fractional calculus and natural selection. Expert Systems With Applications, 2012, 39, 12407-12417.	7.6	251
15	Invariant Attribute Profiles: A Spatial-Frequency Joint Feature Extractor for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3791-3808.	6.3	228
16	COVID-19 Outbreak Prediction with Machine Learning. Algorithms, 2020, 13, 249.	2.1	218
17	Unsupervised Spectral-Spatial Feature Learning via Deep Residual Conv-Deconv Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 391-406.	6.3	217
18	Multilevel Image Segmentation Based on Fractional-Order Darwinian Particle Swarm Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2382-2394.	6.3	212

#	ARTICLE	IF	CITATIONS
19	Classification of Hyperspectral and LiDAR Data Using Coupled CNNs. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4939-4950.	6.3	204
20	Hyperspectral Image Classification With Attention-Aided CNNs. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2281-2293.	6.3	200
21	Hyperspectral Images Classification With Gabor Filtering and Convolutional Neural Network. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2355-2359.	3.1	199
22	COVID-19 Pandemic Prediction for Hungary; A Hybrid Machine Learning Approach. Mathematics, 2020, 8, 890.	2.2	198
23	Noise Reduction in Hyperspectral Imagery: Overview and Application. Remote Sensing, 2018, 10, 482.	4.0	197
24	Deformable Convolutional Neural Networks for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1254-1258.	3.1	171
25	Spectral-Spatial Classification of Hyperspectral Images Based on Hidden Markov Random Fields. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2565-2574.	6.3	159
26	Hyperspectral and LiDAR Data Fusion Using Extinction Profiles and Deep Convolutional Neural Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3011-3024.	4.9	158
27	Deep Fusion of Remote Sensing Data for Accurate Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1253-1257.	3.1	148
28	Automatic Design of Convolutional Neural Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7048-7066.	6.3	145
29	Random Forest Ensembles and Extended Multiextinction Profiles for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 202-216.	6.3	123
30	Extinction Profiles for the Classification of Remote Sensing Data. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5631-5645.	6.3	122
31	A Self-Improving Convolution Neural Network for the Classification of Hyperspectral Data. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1537-1541.	3.1	117
32	Hyperspectral and LiDAR Fusion Using Extinction Profiles and Total Variation Component Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3997-4007.	6.3	117
33	Heterogeneous Transfer Learning for Hyperspectral Image Classification Based on Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3246-3263.	6.3	115
34	Deep Learning Ensemble for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1882-1897.	4.9	108
35	Extinction Profiles Fusion for Hyperspectral Images Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1803-1815.	6.3	104
36	Open Data for Global Multimodal Land Use Classification: Outcome of the 2017 IEEE GRSS Data Fusion Contest. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1363-1377.	4.9	104

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37	Machine learning information fusion in Earth observation: A comprehensive review of methods, applications and data sources. <i>Information Fusion</i> , 2020, 63, 256-272.	19.1	102
38	Automatic Framework for Spectral-Spatial Classification Based on Supervised Feature Extraction and Morphological Attribute Profiles. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 2147-2160.	4.9	101
39	Automatic Spectral-Spatial Classification Framework Based on Attribute Profiles and Supervised Feature Extraction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 5771-5782.	6.3	100
40	A Novel Feature Selection Approach Based on FODPSO and SVM. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 2935-2947.	6.3	98
41	Classification of Hyperspectral Images via Multitask Generative Adversarial Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 1424-1436.	6.3	97
42	Fusion of Multiple Edge-Preserving Operations for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 10336-10349.	6.3	92
43	Spatial hazard assessment of the PM10 using machine learning models in Barcelona, Spain. <i>Science of the Total Environment</i> , 2020, 701, 134474.	8.0	91
44	IMG2DSM: Height Simulation From Single Imagery Using Conditional Generative Adversarial Net. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 794-798.	3.1	90
45	Fusion of Hyperspectral and LiDAR Data Using Sparse and Low-Rank Component Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 6354-6365.	6.3	87
46	Noise-Robust Hyperspectral Image Classification via Multi-Scale Total Variation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 1948-1962.	4.9	87
47	Comprehensive Review of Deep Reinforcement Learning Methods and Applications in Economics. <i>Mathematics</i> , 2020, 8, 1640.	2.2	87
48	Fusion of Dual Spatial Information for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 7726-7738.	6.3	87
49	Data Science in Economics: Comprehensive Review of Advanced Machine Learning and Deep Learning Methods. <i>Mathematics</i> , 2020, 8, 1799.	2.2	82
50	Earth fissure hazard prediction using machine learning models. <i>Environmental Research</i> , 2019, 179, 108770.	7.5	81
51	Hyperspectral Image Classification With Squeeze Multibias Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 1291-1301.	6.3	79
52	Deep Convolutional Capsule Network for Hyperspectral Image Spectral and Spectral-Spatial Classification. <i>Remote Sensing</i> , 2019, 11, 223.	4.0	77
53	A Machine Learning Framework for Drill-Core Mineral Mapping Using Hyperspectral and High-Resolution Mineralogical Data Fusion. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 4829-4842.	4.9	69
54	Land-cover classification using both hyperspectral and LiDAR data. <i>International Journal of Image and Data Fusion</i> , 2015, 6, 189-215.	1.7	66

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55	A comprehensive transferability evaluation of U-Net and ResU-Net for landslide detection from Sentinel-2 data (case study areas from Taiwan, China, and Japan). <i>Scientific Reports</i> , 2021, 11, 14629.	3.3	65
56	Feature Extraction and Selection of Sentinel-1 Dual-Pol Data for Global-Scale Local Climate Zone Classification. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 379.	2.9	62
57	Self-Supervised Learning With Adaptive Distillation for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-13.	6.3	62
58	Hyperspectral Data Classification Using Extended Extinction Profiles. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 1641-1645.	3.1	61
59	Deep Metric Learning Based on Scalable Neighborhood Components for Remote Sensing Scene Characterization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 8905-8918.	6.3	59
60	Integration of Segmentation Techniques for Classification of Hyperspectral Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 342-346.	3.1	58
61	Hyperspectral and LiDAR Fusion Using Deep Three-Stream Convolutional Neural Networks. <i>Remote Sensing</i> , 2018, 10, 1649.	4.0	57
62	Feature Importance Analysis for Local Climate Zone Classification Using a Residual Convolutional Neural Network with Multi-Source Datasets. <i>Remote Sensing</i> , 2018, 10, 1572.	4.0	53
63	Multiscale Densely-Connected Fusion Networks for Hyperspectral Images Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 246-259.	8.3	53
64	Automatic Hyperspectral Image Restoration Using Sparse and Low-Rank Modeling. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 2335-2339.	3.1	52
65	Deep point embedding for urban classification using ALS point clouds: A new perspective from local to global. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 163, 62-81.	11.1	49
66	Remote sensing image classification using subspace sensor fusion. <i>Information Fusion</i> , 2020, 64, 121-130.	19.1	47
67	Texture-aware total variation-based removal of sun glint in hyperspectral images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 166, 359-372.	11.1	47
68	Image Restoration for Remote Sensing: Overview and toolbox. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2022, 10, 201-230.	9.6	47
69	Deep Learning and Earth Observation to Support the Sustainable Development Goals: Current approaches, open challenges, and future opportunities. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2022, 10, 172-200.	9.6	43
70	Multiple convolutional layers fusion framework for hyperspectral image classification. <i>Neurocomputing</i> , 2019, 339, 149-160.	5.9	40
71	LiDAR Data Classification Using Extinction Profiles and a Composite Kernel Support Vector Machine. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 659-663.	3.1	36
72	Multispectral Change Detection With Bilinear Convolutional Neural Networks. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 1757-1761.	3.1	36

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73	A Google Earth Engine Approach for Wildfire Susceptibility Prediction Fusion with Remote Sensing Data of Different Spatial Resolutions. <i>Remote Sensing</i> , 2022, 14, 672.	4.0	35
74	Multichannel Pulse-Coupled Neural Network-Based Hyperspectral Image Visualization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 2444-2456.	6.3	34
75	Hyperspectral Mixed Gaussian and Sparse Noise Reduction. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 474-478.	3.1	33
76	COVID-19 Outbreak Prediction with Machine Learning. <i>SSRN Electronic Journal</i> , 0, , .	0.4	33
77	Global Land-Cover Mapping With Weak Supervision: Outcome of the 2020 IEEE GRSS Data Fusion Contest. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 3185-3199.	4.9	32
78	Spatial Analysis of Seasonal Precipitation over Iran: Co-Variation with Climate Indices. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 73.	2.9	31
79	UnDIP: Hyperspectral Unmixing Using Deep Image Prior. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	30
80	Classification of hyperspectral and LIDAR data using extinction profiles with feature fusion. <i>Remote Sensing Letters</i> , 2017, 8, 957-966.	1.4	29
81	Multi-Sensor Spectral Imaging of Geological Samples: A Data Fusion Approach Using Spatio-Spectral Feature Extraction. <i>Sensors</i> , 2019, 19, 2787.	3.8	29
82	Feature extraction for hyperspectral mineral domain mapping: A test of conventional and innovative methods. <i>Remote Sensing of Environment</i> , 2021, 252, 112129.	11.0	29
83	MsRi-CCF: Multi-Scale and Rotation-Insensitive Convolutional Channel Features for Geospatial Object Detection. <i>Remote Sensing</i> , 2018, 10, 1990.	4.0	28
84	Transferring CNN With Adaptive Learning for Remote Sensing Scene Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-18.	6.3	28
85	The application of ResU-net and OBIA for landslide detection from multi-temporal Sentinel-2 images. <i>Big Earth Data</i> , 2023, 7, 961-985.	4.4	26
86	Hyperspectral Image Classification with Multi-Scale Feature Extraction. <i>Remote Sensing</i> , 2019, 11, 534.	4.0	25
87	Optical Remote Sensing Image Understanding With Weak Supervision: Concepts, methods, and perspectives. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2022, 10, 250-269.	9.6	24
88	LiDAR Data Classification Using Morphological Profiles and Convolutional Neural Networks. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 774-778.	3.1	23
89	LiDAR Data Classification Using Spatial Transformation and CNN. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 125-129.	3.1	23
90	2020 IEEE GRSS Data Fusion Contest: Global Land Cover Mapping With Weak Supervision [Technical Committees]. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2020, 8, 154-157.	9.6	23

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91	Unsupervised Deep Learning for Landslide Detection from Multispectral Sentinel-2 Imagery. Remote Sensing, 2021, 13, 4698.	4.0	23
92	Fusion of Heterogeneous Earth Observation Data for the Classification of Local Climate Zones. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7623-7642.	6.3	22
93	Adaptive Spatial Pyramid Constraint for Hyperspectral Image Classification With Limited Training Samples. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	22
94	Asymmetric Hash Code Learning for Remote Sensing Image Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	22
95	Universal Adversarial Examples in Remote Sensing: Methodology and Benchmark. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	21
96	Dual Graph Convolutional Network for Hyperspectral Image Classification With Limited Training Samples. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	20
97	NFANet: A Novel Method for Weakly Supervised Water Extraction From High-Resolution Remote-Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	20
98	Multimodal, multitemporal, and multisource global data fusion for local climate zones classification based on ensemble learning. , 2017, , .		18
99	Evaluation of Different Landslide Susceptibility Models for a Local Scale in the Chitral District, Northern Pakistan. Sensors, 2022, 22, 3107.	3.8	18
100	Hyperspectral Feature Extraction Using Sparse and Smooth Low-Rank Analysis. Remote Sensing, 2019, 11, 121.	4.0	17
101	Hyperspectral outcrop models for palaeoseismic studies. Photogrammetric Record, 2019, 34, 385-407.	0.4	17
102	A Multi-Sensor Fusion Framework Based on Coupled Residual Convolutional Neural Networks. Remote Sensing, 2020, 12, 2067.	4.0	17
103	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.	4.9	16
104	Hierarchical Sparse Subspace Clustering (HESSC): An Automatic Approach for Hyperspectral Image Analysis. Remote Sensing, 2020, 12, 2421.	4.0	15
105	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
106	Remote Sensing Image Scene Classification via Label Augmentation and Intra-Class Constraint. Remote Sensing, 2021, 13, 2566.	4.0	15
107	Modality Translation in Remote Sensing Time Series. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	15
108	Hyperspectral data clustering based on density analysis ensemble. Remote Sensing Letters, 2017, 8, 194-203.	1.4	14

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109	Multisensor Composite Kernels Based on Extreme Learning Machines. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 196-200.	3.1	14
110	Component Decomposition-Based Hyperspectral Resolution Enhancement for Mineral Mapping. Remote Sensing, 2020, 12, 2903.	4.0	13
111	The Outcome of the 2021 IEEE GRSS Data Fusion Contestâ€”Track MSD: Multitemporal Semantic Change Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1643-1655.	4.9	13
112	2021 Data Fusion Contest: Geospatial Artificial Intelligence for Social Good [Technical Committees]. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 287-C3.	9.6	12
113	How Hyperspectral Image Unmixing and Denoising Can Boost Each Other. Remote Sensing, 2020, 12, 1728.	4.0	11
114	An Efficient Deep Unsupervised Superresolution Model for Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1937-1945.	4.9	11
115	Unsupervised Data Fusion With Deeper Perspective: A Novel Multisensor Deep Clustering Algorithm. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 284-296.	4.9	11
116	Fusion of hyperspectral and LiDAR data in classification of urban areas. , 2014, , .		10
117	Object Detection Routine for Material Streams Combining RGB and Hyperspectral Reflectance Data Based on Guided Object Localization. IEEE Sensors Journal, 2020, 20, 11490-11498.	4.7	10
118	Edge-Preserving Filtering-Based Dehazing for Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	10
119	Superpixel Contracted Neighborhood Contrastive Subspace Clustering Network for Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	10
120	Corrections to â€œDeep Recurrent Neural Networks for Hyperspectral Image Classificationâ€•[Jul 17 3639-3655]. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1214-1215.	6.3	9
121	Radiometric Normalization of Multitemporal and Multisensor Remote Sensing Images Based on a Gaussian Mixture Model and Error Ellipse. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4526-4533.	4.9	9
122	High-Rankness Regularized Semi-Supervised Deep Metric Learning for Remote Sensing Imagery. Remote Sensing, 2020, 12, 2603.	4.0	8
123	The Outcome of the 2021 IEEE GRSS Data Fusion Contest - Track DSE: Detection of Settlements Without Electricity. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12375-12385.	4.9	8
124	Multilevel Structure Extraction-Based Multi-Sensor Data Fusion. Remote Sensing, 2020, 12, 4034.	4.0	7
125	Report on the 2020 IEEE GRSS Data Fusion Contest-Global Land Cover Mapping With Weak Supervision [Technical Committees]. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 134-137.	9.6	6
126	Sparsity Regularized Deep Subspace Clustering for Multicriterion-Based Hyperspectral Band Selection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4264-4278.	4.9	6

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127	Mixed Noise Removal for Hyperspectral Image With ℓ_0 - ℓ_{1-2} SSTV Regularization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5371-5387.	4.9	6
128	Time Series of Remote Sensing Data for Interaction Analysis of the Vegetation Coverage and Dust Activity in the Middle East. Remote Sensing, 2022, 14, 2963.	4.0	6
129	LW-ODF: A Light-Weight Object Detection Framework for Optical Remote Sensing Imagery. , 2019, , .		5
130	Multiple Optical Sensor Fusion for Mineral Mapping of Core Samples. Sensors, 2020, 20, 3766.	3.8	5
131	Data Fusion Using a Multi-Sensor Sparse-Based Clustering Algorithm. Remote Sensing, 2020, 12, 4007.	4.0	5
132	Feature Importance Analysis of Sentinel-2 Imagery for Large-Scale Urban Local Climate Zone Classification. , 2018, , .		4
133	Leveraging OpenStreetMap and Multimodal Remote Sensing Data with Joint Deep Learning for Wastewater Treatment Plants Detection. International Journal of Applied Earth Observation and Geoinformation, 2022, 110, 102804.	1.9	4
134	Multi-Source and multi-Scale Imaging-Data Integration to boost Mineral Mapping. , 2019, , .		3
135	Fusion of Multispectral LiDAR and Hyperspectral Imagery. , 2020, , .		3
136	Intrinsic Image Decomposition-Based Resolution Enhancement for Mineral Mapping. , 2020, , .		3
137	Remote Sensing and Deep Learning for Sustainable Mining. , 2020, , .		3
138	Spectral-spatial classification based on integrated segmentation. , 2013, , .		2
139	A Special Issue on Recent Progress in Developing Artificial Intelligence and Machine Learning Methodologies [From the Guest Editors]. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 7-128.	9.6	2
140	Complementary Learning-Based Scene Classification of Remote Sensing Images With Noisy Labels. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
141	Sun Glint Removal of Hyperspectral Images via Texture-Aware Total Variation. , 2020, , .		2
142	Hypergraph Convolutional Subspace Clustering With Multihop Aggregation for Hyperspectral Image. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 676-686.	4.9	2
143	Mixed Noise Reduction in Hyperspectral Imagery. , 2019, , .		1
144	A Novel Composite Kernel Approach for Multisensor Remote Sensing Data Fusion. , 2019, , .		1

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145	A NEW SPECTRAL-SPATIAL SUBSPACE CLUSTERING ALGORITHM FOR HYPERSPECTRAL IMAGE ANALYSIS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-3-2020, 185-191.	0.0	1
146	OptFus: Optical Sensor Fusion for the Classification of Multisource Data: Application to Mineralogical Mapping. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
147	FODSPO based feature selection for hyperspectral remote sensing data. , 2014, , .		0
148	Multisensor Feature Fusion Using Low-Rank Modeling and Component Analysis. , 2019, , .		0
149	A Multi-Sensor Subspace-Based Clustering Algorithm Using RGB and Hyperspectral Data. , 2021, , .		0
150	The New Working Groups of the GRSS Technical Committee on Image Analysis and Data Fusion [Technical Committees]. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 165-166.	9.6	0
151	Spectral Unmixing Using Deep Convolutional Encoder-Decoder. , 2021, , .		0
152	When is the Right Time to Apply Denoising?. , 2021, , .		0
153	Boosting Hyperspectral Image Unmixing Using Denoising: Four Scenarios. , 2021, , .		0
154	Towards 4D Virtual Outcrops with Hyperspectral Imaging. , 2020, , .		0
155	Report on the 2021 IEEE GRSS Data Fusion Contestâ€”Geospatial Artificial Intelligence for Social Good [Technical Committees]. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 274-277.	9.6	0