Jun Li

List of Publications by Year
in descending order

198 papers	11,470 citations	34105 52 h-index	29157 104 g-index
198 all docs	198 docs citations	198 times ranked	6061 citing authors

#	Article	IF	Citations
1	Advanced Spectral Classifiers for Hyperspectral Images: A review. IEEE Geoscience and Remote Sensing Magazine, 2017, 5, 8-32.	9.6	893
2	Spectral–Spatial Hyperspectral Image Segmentation Using Subspace Multinomial Logistic Regression and Markov Random Fields. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 809-823.	6.3	610
3	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
4	Generalized Composite Kernel Framework for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4816-4829.	6.3	439
5	Recent Advances on Spectral–Spatial Hyperspectral Image Classification: An Overview and New Guidelines. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1579-1597.	6.3	438
6	Hyperspectral Image Segmentation Using a New Bayesian Approach With Active Learning. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3947-3960.	6.3	368
7	Anomaly Detection in Hyperspectral Images Based on Low-Rank and Sparse Representation. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1990-2000.	6.3	358
8	Semisupervised Hyperspectral Image Segmentation Using Multinomial Logistic Regression With Active Learning. IEEE Transactions on Geoscience and Remote Sensing, 2010, , .	6.3	347
9	Spectral–Spatial Classification of Hyperspectral Data Using Loopy Belief Propagation and Active Learning. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 844-856.	6.3	298
10	Hyperspectral Anomaly Detection With Attribute and Edge-Preserving Filters. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5600-5611.	6.3	291
11	Multiple Feature Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1592-1606.	6.3	282
12	Capsule Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2145-2160.	6.3	261
13	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
14	Weighted-RXD and Linear Filter-Based RXD: Improving Background Statistics Estimation for Anomaly Detection in Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2351-2366.	4.9	193
15	${{m E}^{2}}{m LMs}$: Ensemble Extreme Learning Machines for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1060-1069.	4.9	190
16	DAEN: Deep Autoencoder Networks for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4309-4321.	6.3	186
17	Visual Attention-Driven Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8065-8080.	6.3	185
18	Minimum Volume Simplex Analysis: A Fast Algorithm for Linear Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5067-5082.	6.3	165

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19	Semisupervised Self-Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4032-4044.	6.3	164
20	Robust Collaborative Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6076-6090.	6.3	162
21	Remotely Sensed Image Classification Using Sparse Representations of Morphological Attribute Profiles. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5122-5136.	6.3	157
22	Spectral–Spatial Weighted Sparse Regression for Hyperspectral Image Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3265-3276.	6.3	147
23	Semisupervised Hyperspectral Image Classification Using Soft Sparse Multinomial Logistic Regression. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 318-322.	3.1	142
24	Fusion of Hyperspectral and LiDAR Remote Sensing Data Using Multiple Feature Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2971-2983.	4.9	139
25	Pansharpening via Detail Injection Based Convolutional Neural Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1188-1204.	4.9	131
26	Discriminative Low-Rank Gabor Filtering for Spectral–Spatial Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1381-1395.	6.3	111
27	Spectral–Spatial Classification of Hyperspectral Data Using Local and Global Probabilities for Mixed Pixel Characterization. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6298-6314.	6.3	108
28	Parallel and Distributed Dimensionality Reduction of Hyperspectral Data on Cloud Computing Architectures. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2270-2278.	4.9	99
29	Hyperspectral Unmixing Using Sparsity-Constrained Deep Nonnegative Matrix Factorization With Total Variation. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6245-6257.	6.3	99
30	Subspace-Based Support Vector Machines for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 349-353.	3.1	93
31	Unsupervised Feature Extraction in Hyperspectral Images Based on Wasserstein Generative Adversarial Network. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2669-2688.	6.3	88
32	Hyperspectral Image Classification Using Random Occlusion Data Augmentation. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1751-1755.	3.1	86
33	Hyperspectral Unmixing Using Double Reweighted Sparse Regression and Total Variation. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1146-1150.	3.1	85
34	Probabilistic-Kernel Collaborative Representation for Spatial–Spectral Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2371-2384.	6.3	83
35	Regional clustering-based spatial preprocessing for hyperspectral unmixing. Remote Sensing of Environment, 2018, 204, 333-346.	11.0	81
36	A novel semi-supervised hyperspectral image classification approach based on spatial neighborhood information and classifier combination. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 105, 19-29.	11.1	79

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37	Stacked Nonnegative Sparse Autoencoders for Robust Hyperspectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1427-1431.	3.1	76
38	RRNet: Relational Reasoning Network With Parallel Multiscale Attention for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	75
39	Spatio-temporal fusion for remote sensing data: an overview and new benchmark. Science China Information Sciences, 2020, 63, 1.	4.3	74
40	A Discontinuity Preserving Relaxation Scheme for Spectralâ€"Spatial Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 625-639.	4.9	73
41	Spectral-Spatial Hyperspectral Image Classification Using Subspace-Based Support Vector Machines and Adaptive Markov Random Fields. Remote Sensing, 2016, 8, 355.	4.0	69
42	HyperPNN: Hyperspectral Pansharpening via Spectrally Predictive Convolutional Neural Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3092-3100.	4.9	67
43	A Subspace-Based Multinomial Logistic Regression for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2105-2109.	3.1	65
44	Hyperspectral Unmixing Based on Local Collaborative Sparse Regression. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 631-635.	3.1	63
45	Attention-Gate-Based Encoderâ€"Decoder Network for Automatical Building Extraction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2611-2620.	4.9	62
46	Improved hyperspectral image classification by active learning using pre-designed mixed pixels. Pattern Recognition, 2016, 51, 43-58.	8.1	59
47	A³ CLNN: Spatial, Spectral and Multiscale Attention ConvLSTM Neural Network for Multisource Remote Sensing Data Classification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 747-761.	11.3	58
48	GPU Parallel Implementation of Spatially Adaptive Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1131-1143.	4.9	57
49	Multiple Morphological Component Analysis Based Decomposition for Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3083-3102.	6.3	56
50	Scheduling-Guided Automatic Processing of Massive Hyperspectral Image Classification on Cloud Computing Architectures. IEEE Transactions on Cybernetics, 2021, 51, 3588-3601.	9.5	54
51	Multiple Morphological Profiles From Multicomponent-Base Images for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4653-4669.	4.9	53
52	Spectralâ€"Spatial Classification of Hyperspectral Data via Morphological Component Analysis-Based Image Separation. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 70-84.	6.3	53
53	Simultaneous Sparse Graph Embedding for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6114-6133.	6.3	52
54	Learning Discriminative Sparse Representations for Hyperspectral Image Classification. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1089-1104.	10.8	47

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55	A new sensor bias-driven spatio-temporal fusion model based on convolutional neural networks. Science China Information Sciences, 2020, 63, 1.	4.3	47
56	Deep Autoencoders With Multitask Learning for Bilinear Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8615-8629.	6.3	46
57	Social Media: New Perspectives to Improve Remote Sensing for Emergency Response. Proceedings of the IEEE, 2017, 105, 1900-1912.	21.3	45
58	Remote Sensing Single-Image Superresolution Based on a Deep Compendium Model. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1432-1436.	3.1	45
59	One-Class Classification of Remote Sensing Images Using Kernel Sparse Representation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1613-1623.	4.9	43
60	Spatial Discontinuity-Weighted Sparse Unmixing of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5767-5779.	6.3	42
61	Naive Gabor Networks for Hyperspectral Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 376-390.	11.3	40
62	Robust Minimum Volume Simplex Analysis for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6431-6439.	6.3	38
63	Classification of Several Optically Complex Waters in China Using in Situ Remote Sensing Reflectance. Remote Sensing, 2015, 7, 14731-14756.	4.0	37
64	Feature-Driven Active Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 341-354.	6.3	37
65	Superpixel-Based Active Learning and Online Feature Importance Learning for Hyperspectral Image Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 347-359.	4.9	35
66	Multiview Intensity-Based Active Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 669-680.	6.3	34
67	Sparse Graph Regularization for Hyperspectral Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 2351-2366.	6.3	33
68	Quantifying Spatiotemporal Dynamics of Urban Growth Modes in Metropolitan Cities of China: Beijing, Shanghai, Tianjin, and Guangzhou. Journal of the Urban Planning and Development Division, ASCE, 2017, 143, .	1.7	32
69	Identifying Mangrove Species Using Field Close-Range Snapshot Hyperspectral Imaging and Machine-Learning Techniques. Remote Sensing, 2018, 10, 2047.	4.0	32
70	Spectral-Fidelity Convolutional Neural Networks for Hyperspectral Pansharpening. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5898-5914.	4.9	32
71	Improved snow depth retrieval by integrating microwave brightness temperature and visible/infrared reflectance. Remote Sensing of Environment, 2015, 156, 500-509.	11.0	31
72	Real-Time Implementation of the Sparse Multinomial Logistic Regression for Hyperspectral Image Classification on GPUs. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1456-1460.	3.1	30

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73	A Novel MRF-Based Multifeature Fusion for Classification of Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 515-519.	3.1	30
74	Lunar Crater Detection Based on Terrain Analysis and Mathematical Morphology Methods Using Digital Elevation Models. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3681-3692.	6.3	30
75	Accuracy and stability improvement in detecting Wuchang rice adulteration by piece-wise multiplicative scatter correction in the hyperspectral imaging system. Analytical Methods, 2018, 10, 3224-3231.	2.7	30
76	A New Hybrid Strategy Combining Semisupervised Classification and Unmixing of Hyperspectral Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3619-3629.	4.9	29
77	Probabilistic anomaly detector for remotely sensed hyperspectral data. Journal of Applied Remote Sensing, 2014, 8, 083538.	1.3	29
78	Multi-GPU Implementation of the Minimum Volume Simplex Analysis Algorithm for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2281-2296.	4.9	29
79	Parallel Implementation of Sparse Representation Classifiers for Hyperspectral Imagery on GPUs. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2912-2925.	4.9	29
80	Parallel Spatial–Spectral Hyperspectral Image Classification With Sparse Representation and Markov Random Fields on GPUs. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2926-2938.	4.9	29
81	A Two-Phase Multiobjective Sparse Unmixing Approach for Hyperspectral Data. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 508-523.	6.3	29
82	Superpixel-Based Semisupervised Active Learning for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, , 1-14.	4.9	28
83	Multiple Algorithm Integration Based on Ant Colony Optimization for Endmember Extraction From Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2569-2582.	4.9	27
84	Spatial Technology and Social Media in Remote Sensing: A Survey. Proceedings of the IEEE, 2017, 105, 1855-1864.	21.3	27
85	Accelerating Convolutional Neural Network-Based Hyperspectral Image Classification by Step Activation Quantization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	27
86	Collaborative nonnegative matrix factorization for remotely sensed hyperspectral unmixing. , 2012, , .		26
87	Complementarity of Discriminative Classifiers and Spectral Unmixing Techniques for the Interpretation of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2899-2912.	6.3	24
88	Normal Endmember Spectral Unmixing Method for Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2598-2606.	4.9	24
89	Nonnegative sparse autoencoder for robust endmember extraction from remotely sensed hyperspectral images. , 2017, , .		24
90	Optical Remote Sensing Image Understanding With Weak Supervision: Concepts, methods, and perspectives. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 250-269.	9.6	24

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91	Subpixel Surface Water Extraction (SSWE) Using Landsat 8 OLI Data. Water (Switzerland), 2018, 10, 653.	2.7	23
92	Three-dimensional empirical mode decomposition (TEMD): A fast approach motivated by separable filters. Signal Processing, 2017, 131, 307-319.	3.7	22
93	A New Spectral-Spatial Sub-Pixel Mapping Model for Remotely Sensed Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6763-6778.	6.3	22
94	Kernel Low-Rank Multitask Learning in Variational Mode Decomposition Domain for Multi-/Hyperspectral Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4193-4208.	6.3	22
95	Remote Sensing Data Fusion With Generative Adversarial Networks: State-of-the-art methods and future research directions. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 295-328.	9.6	22
96	3D-Gabor Inspired Multiview Active Learning for Spectral-Spatial Hyperspectral Image Classification. Remote Sensing, 2018, 10, 1070.	4.0	21
97	Hyperspectral Image Spectral–Spatial-Range Gabor Filtering. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4818-4836.	6.3	21
98	Sparse graph regularization for robust crop mapping using hyperspectral remotely sensed imagery with very few in situ data. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 124, 1-15.	11.1	20
99	Superpixel Tensor Model for Spatial–Spectral Classification of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4705-4719.	6.3	20
100	Spectral-Spatial Hyperspectral Unmixing Using Nonnegative Matrix Factorization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	20
101	Semi-supervised hyperspectral image classification based on a Markov random field and sparse multinomial logistic regression. , 2009, , .		19
102	A Novel Semi-Supervised Method for Obtaining Finer Resolution Urban Extents Exploiting Coarser Resolution Maps. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4276-4287.	4.9	18
103	GPU Implementation of Composite Kernels for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1973-1977.	3.1	17
104	Multispectral Bathymetry via Linear Unmixing of the Benthic Reflectance. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4349-4363.	4.9	17
105	Multiscale DenseNet Meets With Bi-RNN for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5401-5415.	4.9	17
106	Urban Impervious Surface Estimation from Remote Sensing and Social Data. Photogrammetric Engineering and Remote Sensing, 2018, 84, 771-780.	0.6	16
107	Curvelet Transform Domain-Based Sparse Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4908-4924.	4.9	16
108	MSLAN: A Two-Branch Multidirectional Spectral–Spatial LSTM Attention Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	16

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109	MLFF-GAN: A Multilevel Feature Fusion With GAN for Spatiotemporal Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	16
110	Fast principal component analysis for hyperspectral imaging based on cloud computing. , 2015, , .		15
111	Multi-sensor image registration by combining local self-similarity matching and mutual information. Frontiers of Earth Science, 2018, 12, 779-790.	2.1	15
112	Superpixel-Guided Layer-Wise Embedding CNN for Remote Sensing Image Classification. Remote Sensing, 2019, 11, 174.	4.0	15
113	Generalized Morphological Component Analysis for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2817-2832.	6.3	15
114	Distributed Fusion of Heterogeneous Remote Sensing and Social Media Data: A Review and New Developments. Proceedings of the IEEE, 2021, 109, 1350-1363.	21.3	15
115	Analysis of the Proportion of Surface Reflected Radiance in Mid-Infrared Absorption Bands. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2639-2646.	4.9	14
116	Active learning based autoencoder for hyperspectral imagery classification. , 2016, , .		14
117	A novel active learning approach for the classification of hyperspectral imagery using quasi-Newton multinomial logistic regression. International Journal of Remote Sensing, 2018, 39, 3029-3054.	2.9	14
118	Deep learning for remotely sensed data. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 1-2.	11.1	14
119	Real-time implementation of optimized maximum noise fraction transform for feature extraction of hyperspectral images. Journal of Applied Remote Sensing, 2014, 8, 084797.	1.3	13
120	CNN-Based Hyperspectral Pansharpening With Arbitrary Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21.	6.3	13
121	Geological Remote Sensing Interpretation Using Deep Learning Feature and an Adaptive Multisource Data Fusion Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	13
122	Convex Formulation for Multiband Image Classification With Superpixel-Based Spatial Regularization. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2704-2721.	6.3	12
123	Subpixel Component Analysis for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5564-5579.	6.3	12
124	Abundance-Indicated Subspace for Hyperspectral Classification With Limited Training Samples. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1265-1278.	4.9	12
125	A Multispectral and Multiangle 3-D Convolutional Neural Network for the Classification of ZY-3 Satellite Images Over Urban Areas. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10266-10285.	6.3	12
126	A Technique for Subpixel Analysis of Dynamic Mangrove Ecosystems With Time-Series Hyperspectral Image Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1244-1252.	4.9	11

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127	Wide Contextual Residual Network with Active Learning for Remote Sensing Image Classification. , 2018, , .		11
128	Improving Spectral-Based Endmember Finding by Exploring Spatial Context for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3336-3349.	4.9	11
129	Edge-constrained Markov random field classification by integrating hyperspectral image with LiDAR data over urban areas. Journal of Applied Remote Sensing, 2014, 8, 085089.	1.3	10
130	Hyperspectral cloud shadow removal based on linear unmixing. , 2017, , .		10
131	Multiframe Video Satellite Image Super-Resolution via Attention-Based Residual Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	10
132	Hyperspectral image clustering method based on artificial bee colony algorithm and Markov random fields. Journal of Applied Remote Sensing, 2015, 9, 095047.	1.3	9
133	An enhanced density peak-based clustering approach for hyperspectral band selection. , 2015, , .		8
134	Fusion of hyperspectral and lidar data using generalized composite kernels: A case study in Extremadura, Spain. , 2015, , .		8
135	Graphics processing unit–accelerated computation of the Markov random fields and loopy belief propagation algorithms for hyperspectral image classification. Journal of Applied Remote Sensing, 2015, 9, 097295.	1.3	8
136	Tensor Block-Sparsity Based Representation for Spectral-Spatial Hyperspectral Image Classification. Remote Sensing, 2016, 8, 636.	4.0	8
137	Spatial–Spectral Hyperspectral Image Classification Using Random Multiscale Representation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4129-4141.	4.9	8
138	Spectrometer-Driven Spectral Partitioning for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 668-680.	4.9	8
139	Class-Oriented Spectral Partitioning for Remotely Sensed Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 691-711.	4.9	8
140	Edge Gradient-Based Active Learning for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1588-1592.	3.1	8
141	Geographic Optimal Transport for Heterogeneous Data: Fusing Remote Sensing and Social Media. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6935-6945.	6.3	8
142	Spatial Downscaling of IMERG Considering Vegetation Index Based on Adaptive Lag Phase. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	8
143	A new framework for hyperspectral image classification using multiple spectral and spatial features. , 2014, , .		7
144	Impervious Surface Extraction From Multispectral Images via Morphological Attribute Profiles Based on Spectral Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4775-4790.	4.9	7

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145	Multiscale Superpixelwise Locality Preserving Projection for Hyperspectral Image Classification. Applied Sciences (Switzerland), 2019, 9, 2161.	2.5	7
146	Ensemble Entropy Metric for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	7
147	Semi-supervised active learning for urban hyperspectral image classification. , 2012, , .		6
148	Fast Three-Dimensional Empirical Mode Decomposition of Hyperspectral Images for Class-Oriented Multitask Learning. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6625-6643.	6.3	6
149	Remote sensing image classification based on convolutional neural networks with two-fold sparse regularization. , 2017, , .		6
150	Editorial Message From the New Editor-in-Chief. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1-2.	4.9	6
151	Enhanced Spatiotemporal Fusion via MODIS-Like Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	6
152	Variable Subpixel Convolution Based Arbitrary-Resolution Hyperspectral Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	6
153	Semi-supervised hyperspectral image segmentation. , 2009, , .		5
154	Improved discrete swarm intelligence algorithms for endmember extraction from hyperspectral remote sensing images. Journal of Applied Remote Sensing, 2016, 10, 045018.	1.3	5
155	Spatial technology and social media in remote sensing: challenges and opportunities [point of view]. Proceedings of the IEEE, 2017, 105, 1583-1585.	21.3	5
156	Deep Auto-Encoder Network for Hyperspectral Image Unmixing. , 2018, , .		5
157	A new semi-supervised approach for hyperspectral image classification with different active learning strategies. , 2012, , .		4
158	Semi-supervised discriminative random field for hyperspectral image classification. , 2012, , .		4
159	Spectral-spatial classification for hyperspectral data using SVM and subspace MLR. , 2013, , .		4
160	Hyperspectral image classification based on union of subspaces. , 2015, , .		4
161	Convex formulation for hyperspectral image classification with superpixels. , 2016, , .		4
162	Phase-Induced Gabor-Based Multiview Active Learning for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4

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163	Vicarious Radiometric Calibration of the AHSI Instrument Onboard ZY1E on Dunhuang Radiometric Calibration Site. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	4
164	Spectral partitioning for hyperspectral remote sensing image classification. , 2014, , .		3
165	Hyperspectral classification based on kernel low-rank multitask learning. , 2017, , .		3
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