

Yanfei Zhong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2129681/publications.pdf>

Version: 2024-02-01

248
papers

10,454
citations

26630

56
h-index

40979

93
g-index

248
all docs

248
docs citations

248
times ranked

5620
citing authors

#	ARTICLE	IF	CITATIONS
1	AID: A Benchmark Data Set for Performance Evaluation of Aerial Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3965-3981.	6.3	1,291
2	Bag-of-Visual-Words Scene Classifier With Local and Global Features for High Spatial Resolution Remote Sensing Imagery. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 747-751.	3.1	289
3	Dirichlet-Derived Multiple Topic Scene Classification Model for High Spatial Resolution Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2108-2123.	6.3	242
4	Pre-Trained AlexNet Architecture with Pyramid Pooling and Supervision for High Spatial Resolution Remote Sensing Image Scene Classification. Remote Sensing, 2017, 9, 848.	4.0	242
5	Scene Classification Based on the Multifeature Fusion Probabilistic Topic Model for High Spatial Resolution Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6207-6222.	6.3	210
6	WHU-Hi: UAV-borne hyperspectral with high spatial resolution (H2) benchmark datasets and classifier for precise crop identification based on deep convolutional neural network with CRF. Remote Sensing of Environment, 2020, 250, 112012.	11.0	210
7	Mini-UAV-Borne Hyperspectral Remote Sensing: From Observation and Processing to Applications. IEEE Geoscience and Remote Sensing Magazine, 2018, 6, 46-62.	9.6	189
8	An Adaptive Artificial Immune Network for Supervised Classification of Multi-/Hyperspectral Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 894-909.	6.3	177
9	Dimensionality Reduction Based on Clonal Selection for Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 4172-4186.	6.3	164
10	Spatial Group Sparsity Regularized Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6287-6304.	6.3	160
11	A new sub-pixel mapping algorithm based on a BP neural network with an observation model. Neurocomputing, 2008, 71, 2046-2054.	5.9	156
12	Computational intelligence in optical remote sensing image processing. Applied Soft Computing Journal, 2018, 64, 75-93.	7.2	153
13	Foreground-Aware Relation Network for Geospatial Object Segmentation in High Spatial Resolution Remote Sensing Imagery. , 2020, , .		143
14	An Efficient and Robust Integrated Geospatial Object Detection Framework for High Spatial Resolution Remote Sensing Imagery. Remote Sensing, 2017, 9, 666.	4.0	138
15	An unsupervised artificial immune classifier for multi/hyperspectral remote sensing imagery. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 420-431.	6.3	132
16	FPGA: Fast Patch-Free Global Learning Framework for Fully End-to-End Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5612-5626.	6.3	123
17	Scene Classification Based on Multiscale Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 7109-7121.	6.3	121
18	Multi-Scale and Multi-Task Deep Learning Framework for Automatic Road Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9362-9377.	6.3	120

#	ARTICLE	IF	CITATIONS
19	A Global Context-aware and Batch-independent Network for road extraction from VHR satellite imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 175, 353-365.	11.1	115
20	A spectral-structural bag-of-features scene classifier for very high spatial resolution remote sensing imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 116, 73-85.	11.1	114
21	Non-Local Sparse Unmixing for Hyperspectral Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1889-1909.	4.9	113
22	Land-Use/Land-Cover change detection based on a Siamese global learning framework for high spatial resolution remote sensing imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 184, 63-78.	11.1	113
23	Building damage assessment for rapid disaster response with a deep object-based semantic change detection framework: From natural disasters to man-made disasters. Remote Sensing of Environment, 2021, 265, 112636.	11.0	110
24	Multi-class geospatial object detection based on a position-sensitive balancing framework for high spatial resolution remote sensing imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 138, 281-294.	11.1	109
25	Large patch convolutional neural networks for the scene classification of high spatial resolution imagery. Journal of Applied Remote Sensing, 2016, 10, 025006.	1.3	106
26	Remote Sensing Image Subpixel Mapping Based on Adaptive Differential Evolution. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1306-1329.	5.0	104
27	SatCNN: satellite image dataset classification using agile convolutional neural networks. Remote Sensing Letters, 2017, 8, 136-145.	1.4	101
28	High-Resolution Image Classification Integrating Spectral-Spatial-Location Cues by Conditional Random Fields. IEEE Transactions on Image Processing, 2016, 25, 4033-4045.	9.8	91
29	SceneNet: Remote sensing scene classification deep learning network using multi-objective neural evolution architecture search. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 172, 171-188.	11.1	87
30	The Fisher Kernel Coding Framework for High Spatial Resolution Scene Classification. Remote Sensing, 2016, 8, 157.	4.0	86
31	Hybrid Detectors Based on Selective Endmembers. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2633-2646.	6.3	83
32	A Hybrid Object-Oriented Conditional Random Field Classification Framework for High Spatial Resolution Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7023-7037.	6.3	81
33	Sub-Pixel Mapping Based on a MAP Model With Multiple Shifted Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 580-593.	4.9	79
34	Transfer Learning With Fully Pretrained Deep Convolution Networks for Land-Use Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1436-1440.	3.1	79
35	An Adaptive Subpixel Mapping Method Based on MAP Model and Class Determination Strategy for Hyperspectral Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1411-1426.	6.3	78
36	Automatic Fuzzy Clustering Based on Adaptive Multi-Objective Differential Evolution for Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 2290-2301.	4.9	77

#	ARTICLE	IF	CITATIONS
37	Adaptive Subpixel Mapping Based on a Multiagent System for Remote-Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 787-804.	6.3	73
38	A Support Vector Conditional Random Fields Classifier With a Mahalanobis Distance Boundary Constraint for High Spatial Resolution Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1314-1330.	4.9	73
39	Scene Classification Based on a Deep Random-Scale Stretched Convolutional Neural Network. Remote Sensing, 2018, 10, 444.	4.0	73
40	RSNet: The Search for Remote Sensing Deep Neural Networks in Recognition Tasks. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2520-2534.	6.3	73
41	Superpixel-Based Reweighted Low-Rank and Total Variation Sparse Unmixing for Hyperspectral Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 629-647.	6.3	72
42	A Spectral-Spatial-Dependent Global Learning Framework for Insufficient and Imbalanced Hyperspectral Image Classification. IEEE Transactions on Cybernetics, 2022, 52, 11709-11723.	9.5	69
43	An Adaptive Memetic Fuzzy Clustering Algorithm With Spatial Information for Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1235-1248.	4.9	65
44	Blind spectral unmixing based on sparse component analysis for hyperspectral remote sensing imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 119, 49-63.	11.1	65
45	A robust spectral-spatial approach to identifying heterogeneous crops using remote sensing imagery with high spectral and spatial resolutions. Remote Sensing of Environment, 2020, 239, 111605.	11.0	65
46	ChangeMask: Deep multi-task encoder-transformer-decoder architecture for semantic change detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 183, 228-239.	11.1	65
47	Adaptive Multiobjective Memetic Fuzzy Clustering Algorithm for Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4202-4217.	6.3	64
48	Adaptive Deep Sparse Semantic Modeling Framework for High Spatial Resolution Image Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, , 1-16.	6.3	64
49	Open-source data-driven urban land-use mapping integrating point-line-polygon semantic objects: A case study of Chinese cities. Remote Sensing of Environment, 2020, 247, 111838.	11.0	64
50	Exploiting Deep Features for Remote Sensing Image Retrieval: A Systematic Investigation. IEEE Transactions on Big Data, 2020, 6, 507-521.	6.1	62
51	Deep Subpixel Mapping Based on Semantic Information Modulated Network for Urban Land Use Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10628-10646.	6.3	62
52	Unsupervised Change Detection Based on Hybrid Conditional Random Field Model for High Spatial Resolution Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4002-4015.	6.3	61
53	Auto-AD: Autonomous Hyperspectral Anomaly Detection Network Based on Fully Convolutional Autoencoder. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	61
54	SCViT: A Spatial-Channel Feature Preserving Vision Transformer for Remote Sensing Image Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	61

#	ARTICLE	IF	CITATIONS
55	Detail-Preserving Smoothing Classifier Based on Conditional Random Fields for High Spatial Resolution Remote Sensing Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 2440-2452.	6.3	59
56	An Improved Gradient Boosting Regression Tree Estimation Model for Soil Heavy Metal (Arsenic) Pollution Monitoring Using Hyperspectral Remote Sensing. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1943.	2.5	59
57	Spectral-spatial classification of hyperspectral imagery with cooperative game. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 135, 31-42.	11.1	58
58	Sub-pixel mapping based on artificial immune systems for remote sensing imagery. <i>Pattern Recognition</i> , 2013, 46, 2902-2926.	8.1	57
59	Unsupervised remote sensing image classification using an artificial immune network. <i>International Journal of Remote Sensing</i> , 2011, 32, 5461-5483.	2.9	56
60	Attention-Mechanism-Containing Neural Networks for High-Resolution Remote Sensing Image Classification. <i>Remote Sensing</i> , 2018, 10, 1602.	4.0	55
61	Collaborative Active and Semisupervised Learning for Hyperspectral Remote Sensing Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 2384-2396.	6.3	54
62	HyNet: Hyper-scale object detection network framework for multiple spatial resolution remote sensing imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 166, 1-14.	11.1	54
63	A Deep-Local-Global Feature Fusion Framework for High Spatial Resolution Imagery Scene Classification. <i>Remote Sensing</i> , 2018, 10, 568.	4.0	52
64	Scene Classification Based on the Sparse Homogeneous“Heterogeneous Topic Feature Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 2689-2703.	6.3	51
65	Multiscale U-Shaped CNN Building Instance Extraction Framework With Edge Constraint for High-Spatial-Resolution Remote Sensing Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 6106-6120.	6.3	50
66	A Supervised Artificial Immune Classifier for Remote-Sensing Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007, 45, 3957-3966.	6.3	49
67	Advances in spaceborne hyperspectral remote sensing in China. <i>Geo-Spatial Information Science</i> , 2021, 24, 95-120.	5.3	49
68	Optimal Decision Fusion for Urban Land-Use/Land-Cover Classification Based on Adaptive Differential Evolution Using Hyperspectral and LiDAR Data. <i>Remote Sensing</i> , 2017, 9, 868.	4.0	48
69	Deep learning-based crop mapping in the cloudy season using one-shot hyperspectral satellite imagery. <i>Computers and Electronics in Agriculture</i> , 2021, 186, 106188.	7.7	47
70	Scene classification via latent Dirichlet allocation using a hybrid generative/discriminative strategy for high spatial resolution remote sensing imagery. <i>Remote Sensing Letters</i> , 2013, 4, 1204-1213.	1.4	45
71	DenseNet-Based Depth-Width Double Reinforced Deep Learning Neural Network for High-Resolution Remote Sensing Image Per-Pixel Classification. <i>Remote Sensing</i> , 2018, 10, 779.	4.0	45
72	Multiagent Object-Based Classifier for High Spatial Resolution Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 841-857.	6.3	41

#	ARTICLE	IF	CITATIONS
73	An Adaptive Differential Evolution Endmember Extraction Algorithm for Hyperspectral Remote Sensing Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 1061-1065.	3.1	41
74	Cross-sensor domain adaptation for high spatial resolution urban land-cover mapping: From airborne to spaceborne imagery. <i>Remote Sensing of Environment</i> , 2022, 277, 113058.	11.0	41
75	Scene classification based on a hierarchical convolutional sparse auto-encoder for high spatial resolution imagery. <i>International Journal of Remote Sensing</i> , 2017, 38, 514-536.	2.9	39
76	Satellite-ground integrated destriping network: A new perspective for EO-1 Hyperion and Chinese hyperspectral satellite datasets. <i>Remote Sensing of Environment</i> , 2020, 237, 111416.	11.0	39
77	Knowledge-guided land pattern depiction for urban land use mapping: A case study of Chinese cities. <i>Remote Sensing of Environment</i> , 2022, 272, 112916.	11.0	39
78	Multiobjective Hyperspectral Feature Selection Based on Discrete Sine Cosine Algorithm. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 3601-3618.	6.3	38
79	FactSeg: Foreground Activation-Driven Small Object Semantic Segmentation in Large-Scale Remote Sensing Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16.	6.3	38
80	GAMNet: Globally aware road detection network with multi-scale residual learning. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 175, 340-352.	11.1	38
81	Artificial DNA Computing-Based Spectral Encoding and Matching Algorithm for Hyperspectral Remote Sensing Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 4085-4104.	6.3	37
82	Scene Classification Based on the Fully Sparse Semantic Topic Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5525-5538.	6.3	36
83	Deep Convolutional Neural Network Framework for Subpixel Mapping. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 9518-9539.	6.3	36
84	Inland Waters Suspended Solids Concentration Retrieval Based on PSO-LSSVM for UAV-Borne Hyperspectral Remote Sensing Imagery. <i>Remote Sensing</i> , 2019, 11, 1455.	4.0	35
85	Sub-Pixel Mapping Based on Conditional Random Fields for Hyperspectral Remote Sensing Imagery. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2015, 9, 1049-1060.	10.8	34
86	Spatial-Spectral Fusion Based on Conditional Random Fields for the Fine Classification of Crops in UAV-Borne Hyperspectral Remote Sensing Imagery. <i>Remote Sensing</i> , 2019, 11, 780.	4.0	33
87	Optimal Temporal Window Selection for Winter Wheat and Rapeseed Mapping with Sentinel-2 Images: A Case Study of Zhongxiang in China. <i>Remote Sensing</i> , 2020, 12, 226.	4.0	33
88	Change Detection Based on Pulse-Coupled Neural Networks and the NMI Feature for High Spatial Resolution Remote Sensing Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 537-541.	3.1	31
89	GAN-Assisted Two-Stream Neural Network for High-Resolution Remote Sensing Image Classification. <i>Remote Sensing</i> , 2017, 9, 1328.	4.0	31
90	Scene classification based on multifeature probabilistic latent semantic analysis for high spatial resolution remote sensing images. <i>Journal of Applied Remote Sensing</i> , 2015, 9, 095064.	1.3	30

#	ARTICLE	IF	CITATIONS
91	Deep multisensor learning for missing-modality all-weather mapping. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 174, 254-264.	11.1	30
92	Adaptive non-local Euclidean medians sparse unmixing for hyperspectral imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 97, 9-24.	11.1	29
93	An Accurate UAV 3-D Path Planning Method for Disaster Emergency Response Based on an Improved Multiobjective Swarm Intelligence Algorithm. IEEE Transactions on Cybernetics, 2023, 53, 2658-2671.	9.5	29
94	Multiobjective Subpixel Land-Cover Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 422-435.	6.3	28
95	An Anchor-Free Siamese Target Tracking Network for Hyperspectral Video. , 2021, , .		28
96	Adaptive Sparse Subpixel Mapping With a Total Variation Model for Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2855-2872.	6.3	27
97	CCANet: Class-Constraint Coarse-to-Fine Attentional Deep Network for Subdecimeter Aerial Image Semantic Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-20.	6.3	27
98	A sub-pixel mapping method based on an attraction model for multiple shifted remotely sensed images. Neurocomputing, 2014, 134, 79-91.	5.9	26
99	Spatial-Temporal Sub-Pixel Mapping Based on Swarm Intelligence Theory. Remote Sensing, 2016, 8, 894.	4.0	26
100	Hyperspectral Anomaly Detection via Locally Enhanced Low-Rank Prior. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6995-7009.	6.3	26
101	An Improved Nonlocal Sparse Unmixing Algorithm for Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 915-919.	3.1	25
102	A Spatial Gaussian Mixture Model for Optical Remote Sensing Image Clustering. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 5748-5759.	4.9	25
103	Spectral-Spatial-Temporal MAP-Based Sub-Pixel Mapping for Land-Cover Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1696-1717.	6.3	25
104	Urban road mapping based on an end-to-end road vectorization mapping network framework. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 178, 345-365.	11.1	25
105	Mapping the distribution of invasive tree species using deep one-class classification in the tropical montane landscape of Kenya. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 187, 328-344.	11.1	25
106	Adaptive MAP sub-pixel mapping model based on regularization curve for multiple shifted hyperspectral imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 96, 134-148.	11.1	24
107	Change Detection Based on a Multifeature Probabilistic Ensemble Conditional Random Field Model for High Spatial Resolution Remote Sensing Imagery. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1965-1969.	3.1	24
108	MAP-Net: SAR and Optical Image Matching via Image-Based Convolutional Network With Attention Mechanism and Spatial Pyramid Aggregated Pooling. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	24

#	ARTICLE	IF	CITATIONS
109	Fast Binary Coding for the Scene Classification of High-Resolution Remote Sensing Imagery. Remote Sensing, 2016, 8, 555.	4.0	23
110	Generating 2m fine-scale urban tree cover product over 34 metropolises in China based on deep context-aware sub-pixel mapping network. International Journal of Applied Earth Observation and Geoinformation, 2022, 106, 102667.	2.8	23
111	An Unsupervised Spectral Matching Classifier Based on Artificial DNA Computing for Hyperspectral Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4524-4538.	6.3	22
112	Multiscale and Multifeature Normalized Cut Segmentation for High Spatial Resolution Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6061-6075.	6.3	22
113	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
114	Land-Use/Land-Cover Change Detection Based on Class-Prior Object-Oriented Conditional Random Field Framework for High Spatial Resolution Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	22
115	Adaptive Spatial Regularization Sparse Unmixing Strategy Based on Joint MAP for Hyperspectral Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 5791-5805.	4.9	21
116	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
117	Pipeline leakage detection for district heating systems using multisource data in mid- and high-latitude regions. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 151, 207-222.	11.1	21
118	Local Spatial Constraint and Total Variation for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	21
119	Urban scene understanding based on semantic and socioeconomic features: From high-resolution remote sensing imagery to multi-source geographic datasets. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 179, 50-65.	11.1	21
120	Oil Spill Contextual and Boundary-Supervised Detection Network Based on Marine SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	21
121	S3ANet: Spectral-spatial-scale attention network for end-to-end precise crop classification based on UAV-borne H2 imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 183, 147-163.	11.1	21
122	Nonlocal Total Variation Subpixel Mapping for Hyperspectral Remote Sensing Imagery. Remote Sensing, 2016, 8, 250.	4.0	20
123	Semisupervised Subspace-Based DNA Encoding and Matching Classifier for Hyperspectral Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4402-4418.	6.3	20
124	Joint Sparse Sub-Pixel Mapping Model with Endmember Variability for Remotely Sensed Imagery. Remote Sensing, 2017, 9, 15.	4.0	19
125	Tailings Reservoir Disaster and Environmental Monitoring Using the UAV-ground Hyperspectral Joint Observation and Processing: A Case of Study in Xinjiang, the Belt and Road. , 2019, , .		19
126	SPNet: Spectral Patching End-to-End Classification Network for UAV-Borne Hyperspectral Imagery With High Spatial and Spectral Resolutions. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	19

#	ARTICLE	IF	CITATIONS
127	A resource limited artificial immune system algorithm for supervised classification of multi/hyper-spectral remote sensing imagery. <i>International Journal of Remote Sensing</i> , 2007, 28, 1665-1686.	2.9	18
128	Scene semantic classification based on random-scale stretched convolutional neural network for high-spatial resolution remote sensing imagery. , 2016, , .		18
129	Spatial-Spectral Unsupervised Convolutional Sparse Auto-Encoder Classifier for Hyperspectral Imagery. <i>Photogrammetric Engineering and Remote Sensing</i> , 2017, 83, 195-206.	0.6	18
130	D-Resunet: Resunet and Dilated Convolution for High Resolution Satellite Imagery Road Extraction. , 2019, , .		18
131	Cross-domain road detection based on global-local adversarial learning framework from very high resolution satellite imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 180, 296-312.	11.1	18
132	Cascaded Multi-Task Road Extraction Network for Road Surface, Centerline, and Edge Extraction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	18
133	Scene Semantic Understanding Based on the Spatial Context Relations of Multiple Objects. <i>Remote Sensing</i> , 2017, 9, 1030.	4.0	17
134	Saliency-Based Endmember Detection for Hyperspectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 3667-3680.	6.3	17
135	Blind Hyperspectral Unmixing Considering the Adjacency Effect. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 6633-6649.	6.3	17
136	Multi-Objective Sparse Subspace Clustering for Hyperspectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 2290-2307.	6.3	17
137	Fully Automatic Spectral-Spatial Fuzzy Clustering Using an Adaptive Multiobjective Memetic Algorithm for Multispectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 2324-2340.	6.3	16
138	Multiobjective Sparse Subpixel Mapping for Remote Sensing Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 4490-4508.	6.3	15
139	Pop-Net: Encoder-Dual Decoder for Semantic Segmentation and Single-View Height Estimation. , 2019, , .		15
140	Intelligent difficulty scoring and assistance system for endoscopic extraction of common bile duct stones based on deep learning: multicenter study. <i>Endoscopy</i> , 2021, 53, 491-498.	1.8	15
141	Cross-Modality Image Matching Network With Modality-Invariant Feature Representation for Airborne-Ground Thermal Infrared and Visible Datasets. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	15
142	Unsupervised Deep Hyperspectral Video Target Tracking and High Spectral-Spatial-Temporal Resolution (H ³) Benchmark Dataset. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	15
143	A New Fuzzy Clustering Algorithm Based on Clonal Selection for Land Cover Classification. <i>Mathematical Problems in Engineering</i> , 2011, 2011, 1-21.	1.1	14
144	Rolling Guidance Based Scale-Aware Spatial Sparse Unmixing for Hyperspectral Remote Sensing Imagery. <i>Remote Sensing</i> , 2017, 9, 1218.	4.0	14

#	ARTICLE	IF	CITATIONS
145	Change Detection Based on Multi-Feature Clustering Using Differential Evolution for Landsat Imagery. Remote Sensing, 2018, 10, 1664.	4.0	14
146	Aurora Image Classification Based on Multi-Feature Latent Dirichlet Allocation. Remote Sensing, 2018, 10, 233.	4.0	14
147	Modality-Free Feature Detector and Descriptor for Multimodal Remote Sensing Image Registration. Remote Sensing, 2020, 12, 2937.	4.0	14
148	Domain Adaptation via a Task-Specific Classifier Framework for Remote Sensing Cross-Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	14
149	Deep Low-Rank Prior for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	14
150	Hybrid generative/discriminative scene classification strategy based on latent dirichlet allocation for high spatial resolution remote sensing imagery. , 2013, , .		13
151	Spatial-Spectral-Emissivity Land-Cover Classification Fusing Visible and Thermal Infrared Hyperspectral Imagery. Remote Sensing, 2017, 9, 910.	4.0	13
152	High-Resolution Remote Sensing Image Scene Understanding: A Review. , 2019, , .		13
153	A Supervised Progressive Growing Generative Adversarial Network for Remote Sensing Image Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	13
154	Using Linear Spectral Unmixing for Subpixel Mapping of Hyperspectral Imagery: A Quantitative Assessment. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1589-1600.	4.9	12
155	Urban Land Use/Land Cover Classification Based on Feature Fusion Fusing Hyperspectral Image and Lidar Data. , 2018, , .		12
156	Face Inpainting via Nested Generative Adversarial Networks. IEEE Access, 2019, 7, 155462-155471.	4.2	12
157	Spatiotemporal Subpixel Geographical Evolution Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2198-2220.	6.3	12
158	COLOR: Cycling, Offline Learning, and Online Representation Framework for Airport and Airplane Detection Using GF-2 Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8438-8449.	6.3	12
159	Multiobjective Subpixel Mapping With Multiple Shifted Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8176-8191.	6.3	12
160	A Self-Supervised Denoising Network for Satellite-Airborne-Ground Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	12
161	Least Angle Regression-Based Constrained Sparse Unmixing of Hyperspectral Remote Sensing Imagery. Remote Sensing, 2018, 10, 1546.	4.0	11
162	Joint Local Block Grouping with Noise-Adjusted Principal Component Analysis for Hyperspectral Remote-Sensing Imagery Sparse Unmixing. Remote Sensing, 2019, 11, 1223.	4.0	11

#	ARTICLE	IF	CITATIONS
163	Accurate Multiobjective Low-Rank and Sparse Model for Hyperspectral Image Denoising Method. IEEE Transactions on Evolutionary Computation, 2023, 27, 37-51.	10.0	11
164	Spatio-Temporal Dual-Branch Network With Predictive Feature Learning for Satellite Video Object Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	11
165	Multispectral remote sensing image classification based on simulated annealing clonal selection algorithm. , 0, , .		10
166	Multiobjective Sine Cosine Algorithm for Remote Sensing Image Spatial-Spectral Clustering. IEEE Transactions on Cybernetics, 2022, 52, 11172-11186.	9.5	10
167	Small moving vehicle detection via local enhancement fusion for satellite video. International Journal of Remote Sensing, 2021, 42, 7189-7214.	2.9	10
168	DOCC: Deep one-class crop classification via positive and unlabeled learning for multi-modal satellite imagery. International Journal of Applied Earth Observation and Geoinformation, 2021, 105, 102598.	2.8	10
169	Spectral-Spatial Clustering with a Local Weight Parameter Determination Method for Remote Sensing Imagery. Remote Sensing, 2016, 8, 124.	4.0	9
170	MINI-UAV borne hyperspectral remote sensing: A review. , 2017, , .		9
171	Automatic Aurora Image Classification Framework Based on Deep Learning for Occurrence Distribution Analysis: A Case Study of All-sky Image Data Sets From the Yellow River Station. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027590.	2.4	9
172	Edge-Reinforced Convolutional Neural Network for Road Detection in Very-High-Resolution Remote Sensing Imagery. Photogrammetric Engineering and Remote Sensing, 2020, 86, 153-160.	0.6	9
173	TypeFormer: Multiscale Transformer With Type Controller for Remote Sensing Image Caption. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	9
174	A sub-pixel mapping algorithm based on artificial immune systems for remote sensing imagery. , 2009, , .		8
175	Hyperspectral image super resolution reconstruction with a joint spectral-spatial sub-pixel mapping model. , 2016, , .		8
176	A Novel Robust Feature Descriptor for Multi-Source Remote Sensing Image Registration. , 2019, , .		7
177	Precise object detection using adversarially augmented local/global feature fusion. Engineering Applications of Artificial Intelligence, 2020, 94, 103710.	8.1	7
178	Cropnet: Deep Spatial-Temporal-Spectral Feature Learning Network for Crop Classification from Time-Series Multi-Spectral Images. , 2020, , .		7
179	A Joint Spectral Unmixing and Subpixel Mapping Framework Based on Multiobjective Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	7
180	A fast clonal selection algorithm for feature selection in hyperspectral imagery. Geo-Spatial Information Science, 2009, 12, 172-181.	5.3	6

#	ARTICLE	IF	CITATIONS
181	An advanced change detection method based on object-oriented classification of multi-band remote sensing image. , 2010, , .		6
182	The bag-of-visual-words scene classifier combining local and global features for high spatial resolution imagery. , 2015, , .		6
183	Cropland Product Fusion Method Based on the Overall Consistency Difference: A Case Study of China. Remote Sensing, 2019, 11, 1065.	4.0	6
184	SPNet: A Spectral Patching Network for End-To-End Hyperspectral Image Classification. , 2019, , .		6
185	Self-Training Classification Framework with Spatial-Contextual Information for Local Climate Zones. Remote Sensing, 2019, 11, 2828.	4.0	6
186	Hyperspectral Remote Sensing Image Band Selection Via Multi-Objective Sine Cosine Algorithm. , 2019, , .		6
187	Adaptive conditional random field classification framework based on spatial homogeneity for high-resolution remote sensing imagery. Remote Sensing Letters, 2020, 11, 515-524.	1.4	6
188	Spectral-Spatial Classification Integrating Band Selection for Hyperspectral Imagery With Severe Noise Bands. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1597-1609.	4.9	6
189	Autonomous Endmember Detection via an Abundance Anomaly Guided Saliency Prior for Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2336-2351.	6.3	6
190	Spectral-Spatial Fusion Sub-Pixel Mapping Based on Deep Neural Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
191	Remote Sensing Image Super-Resolution Based on Dense Channel Attention Network. Remote Sensing, 2021, 13, 2966.	4.0	6
192	Research on image reconstruction based and pixel unmixing based sub-pixel mapping methods. , 2012, , .		5
193	Sparse representation based subpixel information extraction framework for hyperspectral remote sensing imagery. , 2016, , .		5
194	A Student's t-based density peaks clustering with superpixel segmentation (tDPCSS) method for image color clustering. Color Research and Application, 2020, 45, 656-670.	1.6	5
195	Anomaly Detection in Airborne Fourier Transform Thermal Infrared Spectrometer Images Based on Emissivity and a Segmented Low-Rank Prior. Remote Sensing, 2021, 13, 754.	4.0	5
196	Weakly Supervised Semantic Change Detection via Label Refinement Framework. , 2021, , .		5
197	Field-Based High-Quality Emissivity Spectra Measurement Using a Fourier Transform Thermal Infrared Hyperspectral Imager. Remote Sensing, 2021, 13, 4453.	4.0	5
198	High-resolution hyper-spectral image classification with parts-based feature and morphology profile in urban area. Geo-Spatial Information Science, 2010, 13, 111-122.	5.3	4

#	ARTICLE	IF	CITATIONS
199	Thermal anomaly detection based on saliency computation for district heating system. , 2016, , .		4
200	Multi-Scale Enhanced Deep Network for Road Detection. , 2019, , .		4
201	A Color Consistency Processing Method for HY-1C Images of Antarctica. Remote Sensing, 2020, 12, 1143.	4.0	4
202	The CNRIEEEMC: A communication-navigation-remote sensing-integrated ecological environment emergency monitoring chain for tailings areas. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102710.	2.8	4
203	Sub-pixel mapping based on memetic algorithm for hyperspectral imagery. , 2015, , .		3
204	Multi-Probe Based Artificial DNA Encoding and Matching Classifier for Hyperspectral Remote Sensing Imagery. Remote Sensing, 2016, 8, 645.	4.0	3
205	Scene semantic classification based on scale invariance convolutional neural networks. , 2017, , .		3
206	Distributed Geoscience Algorithm Integration Based on OWS Specifications: A Case Study of the Extraction of a River Network. ISPRS International Journal of Geo-Information, 2019, 8, 12.	2.9	3
207	Spark-based adaptive Mapreduce data processing method for remote sensing imagery. International Journal of Remote Sensing, 2021, 42, 191-207.	2.9	3
208	Weakly Supervised Convolutional Neural Networks for Hyperspectral Unmixing. , 2021, , .		3
209	A Novel Global-Aware Deep Network for Road Detection of Very High Resolution Remote Sensing Imagery. , 2020, , .		3
210	RSSM-Net: Remote Sensing Image Scene Classification Based on Multi-Objective Neural Architecture Search. , 2020, , .		3
211	Sub-pixel mapping algorithm based on adaptive differential evolution for remote sensing imagery. , 2011, , .		2
212	Multi-feature probability topic scene classifier for high spatial resolution remote sensing imagery. , 2014, , .		2
213	Soft computing in remote sensing image processing. Soft Computing, 2016, 20, 4629-4630.	3.6	2
214	Differentiable sparse unmixing based on Bregman divergence for hyperspectral remote sensing imagery. , 2017, , .		2
215	Saliency-based endmember detection for hyperspectral imagery. , 2017, , .		2
216	Three-Dimensional Change Detection in Urban Areas Based on Complementary Evidence Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	2

#	ARTICLE	IF	CITATIONS
217	New Unsupervised change detection algorithm based on the MRF in remote sensing image. , 2011, , .		1
218	Subspace clustering based on decision fusion strategy for hyperspectral imagery. , 2013, , .		1
219	Non-local sub-pixel mapping for hyperspectral imagery. , 2015, , .		1
220	Local spectral-spatial clustering for remote sensing imagery. , 2016, , .		1
221	Complete dictionary online learning for sparse unmixing. , 2016, , .		1
222	An Economical Three-Phase Fault Current Limiter Considering Different Types of Fault.. , 2018, , .		1
223	Fine Classification of Typical Farms in Southern China Based on Airborne Hyperspectral Remote Sensing Images. , 2018, , .		1
224	Contemporary Liquid Brine Exploration on Mars: From Spectral Unmixing to Subpixel Mapping. Earth and Space Science, 2019, 6, 433-466.	2.6	1
225	Local Block Grouping with Napca Spatial Preprocessing for Hyperspectral Remote Sensing Imagery Sparse Unmixing. , 2019, , .		1
226	S ³ TRM: Spectral-Spatial Unmixing of Hyperspectral Imagery Based on Sparse Topic Relaxation-Clustering Model. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	1
227	A Nov AI Global-Local Adversarial Network for Unsupervised Cross-Domain Road Detection.. , 2021, , .		1
228	Low-Rank Representation Incorporating Local Spatial Constraint for Hyperspectral Anomaly Detection. , 2021, , .		1
229	Topic Model for Remote Sensing Data: A Comprehensive Review. , 2020, , .		1
230	Semi-Supervised Hyperspectral Unmixing with Very Deep Convolutional Neural Networks. , 2020, , .		1
231	Generating continuous fine-scale land cover mapping by edge-guided maximum a posteriori based spatiotemporal sub-pixel mapping. Science of Remote Sensing, 2022, 5, 100041.	4.8	1
232	Non-local sparse spectral unmixing for remote sensing imagery. , 2012, , .		0
233	A unified sub-pixel mapping model integrating spectral unmixing for hyperspectral imagery. , 2013, , .		0
234	Non-local euclidean medians sparse unmixing for hyperspectral remote sensing imagery. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
235	Remote sensing imagery clustering using an adaptive bi-objective memetic method. , 2014, , .		0
236	An improved weight-calculation non-local sparse unmixing for hyperspectral imagery. , 2014, , .		0
237	Unsupervised change detection based on conditional random fields and texture feature for high resolution remote sensing imagery. , 2015, , .		0
238	Normalized cut segmentation with edge constraint for high resolution remote sensing imagery. , 2015, , .		0
239	Multi-object spatial relationship model for high spatial resolution scene classification. , 2016, , .		0
240	A Novel Three Limb Topology of a Saturated Core Fault Current Limiter in HVDC System. , 2018, , .		0
241	Color: Cycling Offline Learning and Online Representing for Remote Sensing Dataflow. , 2018, , .		0
242	Performance Optimization of a Novel DC Fault Current Limiter Combining Different Magnetic Materials and Topologies.. , 2018, , .		0
243	Sub-Pixel Mapping with Multiple Shifted Hyperspectral Images Based on Multiobjective Evolutionary Algorithm. , 2019, , .		0
244	S3CRF: Sparse Spatial-Spectral Conditional Random Field Target Detection Framework for Airborne Hyperspectral Data. IEEE Access, 2020, 8, 46917-46930.	4.2	0
245	Deep One-Class Crop Extraction Framework for Multi-Modal Remote Sensing Imagery. , 2021, , .		0
246	Rethinking the High Frequency Components in Deep Sub-Pixel Mapping Network. , 2021, , .		0
247	Sensor-Specific Adversarial Network for Transferable Land-Cover Classification. , 2021, , .		0
248	A Practical Temperature and Emissivity Separation Framework With Reanalysis Atmospheric Profiles for Hyper-Cam Airborne Thermal Infrared Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 687-699.	4.9	0