Qian Du

List of Publications by Year
in descending order

485 papers	23,931 citations	8732 75 h-index	10127 140 g-index
487 all docs	487 docs citations	487 times ranked	9741 citing authors

#	Article	IF	Citations
1	A Spatio-Spectral Fusion Method for Hyperspectral Images Using Residual Hyper-Dense Network. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 2235-2249.	7.2	5
2	Graph Information Aggregation Cross-Domain Few-Shot Learning for Hyperspectral Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1912-1925.	7.2	89
3	Filter Pruning via Learned Representation Median in the Frequency Domain. IEEE Transactions on Cybernetics, 2023, 53, 3165-3175.	6.2	6
4	Semisupervised Cross-Scale Graph Prototypical Network for Hyperspectral Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9337-9351.	7.2	30
5	Asymmetric Feature Fusion Network for Hyperspectral and SAR Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8057-8070.	7.2	48
6	Hyperspectral and SAR Image Classification via Multiscale Interactive Fusion Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10823-10837.	7.2	43
7	Hyperspectral and LiDAR Data Classification Based on Structural Optimization Transmission. IEEE Transactions on Cybernetics, 2023, 53, 3153-3164.	6.2	97
8	A General Loss-Based Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	14
9	A^3 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.	7.2	58
10	Multiscale Low-Rank Spatial Features for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	5
11	Remote Sensing Image Translation via Style-Based Recalibration Module and Improved Style Discriminator. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	6
12	Hyperspectral Image Classification Using Attention-Based Bidirectional Long Short-Term Memory Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	55
13	Generative Dual-Adversarial Network With Spectral Fidelity and Spatial Enhancement for Hyperspectral Pansharpening. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7303-7317.	7.2	39
14	Hyperspectral and Multispectral Classification for Coastal Wetland Using Depthwise Feature Interaction Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	56
15	Bayesian Unmixing of Hyperspectral Image Sequence With Composite Priors for Abundance and Endmember Variability. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	10
16	Hyperspectral Change Detection Based on Multiple Morphological Profiles. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	32
17	Self-Supervised Robust Deep Matrix Factorization for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	12
18	Spatial-Aware Collaboration–Competition Preserving Graph Embedding for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	11

#	Article	IF	Citations
19	MSSL: Hyperspectral and Panchromatic Images Fusion via Multiresolution Spatial–Spectral Feature Learning Networks. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	10
20	Recurrent Feedback Convolutional Neural Network for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	8
21	Prior-Based Tensor Approximation for Anomaly Detection in Hyperspectral Imagery. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1037-1050.	7.2	84
22	Hyperspectral Anomaly Detection: A survey. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 64-90.	4.9	106
23	Dual-Channel Residual Network for Hyperspectral Image Classification With Noisy Labels. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	21
24	Unsupervised Robust Projection Learning by Low-Rank and Sparse Decomposition for Hyperspectral Feature Extraction. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	3
25	Hyperspectral Pansharpening via Local Intensity Component and Local Injection Gain Estimation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	5
26	Multi-Direction Networks With Attentional Spectral Prior for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	18
27	Structure-Guided Feature Transform Hybrid Residual Network for Remote Sensing Object Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	7
28	Low-Rank and Sparse Representation for Hyperspectral Image Processing: A review. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 10-43.	4.9	94
29	Oriented Object Detection by Searching Corner Points in Remote Sensing Imagery. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	7
30	Change Detection in Synthetic Aperture Radar Images Using a Dual-Domain Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	30
31	Information Fusion for Classification of Hyperspectral and LiDAR Data Using IP-CNN. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	67
32	Spectral Distribution-Aware Estimation Network for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	10
33	BDANet: Multiscale Convolutional Neural Network With Cross-Directional Attention for Building Damage Assessment From Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	25
34	Learning hyperspectral images from RGB images via a coarse-to-fine CNN. Science China Information Sciences, 2022, 65, 1.	2.7	32
35	E2E-LIADE: End-to-End Local Invariant Autoencoding Density Estimation Model for Anomaly Target Detection in Hyperspectral Image. IEEE Transactions on Cybernetics, 2022, 52, 11385-11396.	6.2	17
36	Multiscale Alternately Updated Clique Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	4

#	Article	IF	Citations
37	Weakly Supervised Discriminative Learning With Spectral Constrained Generative Adversarial Network for Hyperspectral Anomaly Detection. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6504-6517.	7.2	32
38	Sparse Coding-Inspired GAN for Hyperspectral Anomaly Detection in Weakly Supervised Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	18
39	Deep Cross-Domain Few-Shot Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	2.7	84
40	A Multiscale Spectral Features Graph Fusion Method for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	18
41	Heterogeneous Few-Shot Learning for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	19
42	Deep Learning for Unmanned Aerial Vehicle-Based Object Detection and Tracking: A survey. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 91-124.	4.9	99
43	Adaptive Cross-Attention-Driven Spatial–Spectral Graph Convolutional Network for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	17
44	ABNet: Adaptive Balanced Network for Multiscale Object Detection in Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	59
45	Novel Cross-Resolution Feature-Level Fusion for Joint Classification of Multispectral and Panchromatic Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	10
46	Dual-Branch Difference Amplification Graph Convolutional Network for Hyperspectral Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	34
47	A Dual-Branch Detail Extraction Network for Hyperspectral Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	26
48	HASIC-Net: Hybrid Attentional Convolutional Neural Network With Structure Information Consistency for Spectral Super-Resolution of RGB Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	10
49	Rank-Aware Generative Adversarial Network for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	2
50	Editorial Foreword to the Special Issue on Recent Advances in Multitemporal Remote-Sensing Data Processing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 776-778.	2.3	2
51	Superpixel-Based Weighted Collaborative Sparse Regression and Reweighted Low-Rank Representation for Hyperspectral Image Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 393-408.	2.3	7
52	Change Detection From Synthetic Aperture Radar Images via Graph-Based Knowledge Supplement Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1823-1836.	2.3	29
53	SSCU-Net: Spatial–Spectral Collaborative Unmixing Network for Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	15
54	Enhanced TabNet: Attentive Interpretable Tabular Learning for Hyperspectral Image Classification. Remote Sensing, 2022, 14, 716.	1.8	35

#	Article	IF	Citations
55	Diversity-Driven Multikernel Collaborative Representation Ensemble for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2861-2876.	2.3	6
56	Dynamic Ensemble Learning With Multi-View Kernel Collaborative Subspace Clustering for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2681-2695.	2.3	6
57	Boundary Extraction Constrained Siamese Network for Remote Sensing Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	8
58	Superpixel-Based Relaxed Collaborative Representation With Band Weighting for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	5
59	Corrections to â€œMultiscale Context-Aware Ensemble Deep KELM for Efficient Hyperspectral Image Classificationâ€. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-1.	2.7	6
60	Extended Collaborative Representation-Based Hyperspectral Imagery Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	3
61	A Deep Multiscale Pyramid Network Enhanced With Spatialâ€"Spectral Residual Attention for Hyperspectral Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	23
62	Change Detection From Synthetic Aperture Radar Images via Dual Path Denoising Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2667-2680.	2.3	13
63	A Stepwise Domain Adaptive Segmentation Network With Covariate Shift Alleviation for Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	14
64	Dual-Frequency Autoencoder for Anomaly Detection in Transformed Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	7
65	Confident Learning-Based Domain Adaptation for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	17
66	Spectral Variability Augmented Sparse Unmixing of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	14
67	A Dual Globalâ€"Local Attention Network for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	22
68	Hyperspectral Unmixing Based on Nonnegative Matrix Factorization: A Comprehensive Review. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4414-4436.	2.3	31
69	Multigraph-Based Low-Rank Tensor Approximation for Hyperspectral Image Restoration. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	7
70	A Shallow-to-Deep Feature Fusion Network for VHR Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	17
71	Context-Aware Guided Attention Based Cross-Feedback Dense Network for Hyperspectral Image Super-Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	6
72	Adaptive Local Discriminant Analysis and Distribution Matching for Domain Adaptation in Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4797-4808.	2.3	5

#	Article	IF	Citations
73	Pseudo Complex-Valued Deformable ConvLSTM Neural Network With Mutual Attention Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	4
74	Low-Rank and Sparse Decomposition With Mixture of Gaussian for Hyperspectral Anomaly Detection. IEEE Transactions on Cybernetics, 2021, 51, 4363-4372.	6.2	109
75	Generative Adversarial Capsule Network With ConvLSTM for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 523-527.	1.4	23
76	HPGAN: Hyperspectral Pansharpening Using 3-D Generative Adversarial Networks. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 463-477.	2.7	44
77	Self-Paced Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1501-1515.	2.7	50
78	Estimating the distribution trend of soil heavy metals in mining area from HyMap airborne hyperspectral imagery based on ensemble learning. Journal of Hazardous Materials, 2021, 401, 123288.	6.5	93
79	Class-Wise Distribution Adaptation for Unsupervised Classification of Hyperspectral Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 508-521.	2.7	43
80	Kernel low-rank representation with elastic net for China coastal wetland land cover classification using GF-5 hyperspectral imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 171, 238-252.	4.9	55
81	A Novel Feature Fusion Approach for VHR Remote Sensing Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 464-473.	2.3	17
82	Adaptive DropBlock-Enhanced Generative Adversarial Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5040-5053.	2.7	54
83	Characterization of Background-Anomaly Separability With Generative Adversarial Network for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6017-6028.	2.7	37
84	Efficient Deep Learning of Nonlocal Features for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6029-6043.	2.7	51
85	More Diverse Means Better: Multimodal Deep Learning Meets Remote-Sensing Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4340-4354.	2.7	781
86	Joint Classification of Hyperspectral and Multispectral Images for Mapping Coastal Wetlands. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 982-996.	2.3	21
87	Joint Correlation Alignment-Based Graph Neural Network for Domain Adaptation of Multitemporal Hyperspectral Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3170-3184.	2.3	23
88	Three-Order Tucker Decomposition and Reconstruction Detector for Unsupervised Hyperspectral Change Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6194-6205.	2.3	36
89	A Label Similarity Probability Filter for Hyperspectral Image Postclassification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6897-6905.	2.3	12
90	Remote Sensing Scene Classification Using Sparse Representation-Based Framework With Deep Feature Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5867-5878.	2.3	23

#	Article	IF	Citations
91	Deep Residual Network-Based Fusion Framework for Hyperspectral and LiDAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2458-2472.	2.3	20
92	Combining Multiple Classifiers for Domain Adaptation of Remote Sensing Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1832-1847.	2.3	17
93	Spectral-Spatial Constrained Nonnegative Matrix Factorization for Spectral Mixture Analysis of Hyperspectral Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6766-6776.	2.3	3
94	Sparse and Low-Rank Constrained Tensor Factorization for Hyperspectral Image Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1754-1767.	2.3	28
95	Cross-Scene Hyperspectral Image Classification With Discriminative Cooperative Alignment. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9646-9660.	2.7	80
96	Collaborative and Low-Rank Graph for Discriminant Analysis of Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5248-5259.	2.3	7
97	Lightweight Tensor Attention-Driven ConvLSTM Neural Network for Hyperspectral Image Classification. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 734-745.	7.3	18
98	Multiscale Context-Aware Ensemble Deep KELM for Efficient Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5114-5130.	2.7	21
99	Sensor-Independent Hyperspectral Target Detection With Semisupervised Domain Adaptive Few-Shot Learning. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6894-6906.	2.7	25
100	Joint feature extraction for multi-source data using similar double-concentrated network. Neurocomputing, 2021, 450, 70-79.	3.5	10
101	Random Subspace-Based k-Nearest Class Collaborative Representation for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6840-6853.	2.7	27
102	Parallel and Distributed Computing for Anomaly Detection From Hyperspectral Remote Sensing Imagery. Proceedings of the IEEE, 2021, 109, 1306-1319.	16.4	12
103	Classifying Ingestive Behavior of Dairy Cows via Automatic Sound Recognition. Sensors, 2021, 21, 5231.	2.1	12
104	Weakly Supervised Low-Rank Representation for Hyperspectral Anomaly Detection. IEEE Transactions on Cybernetics, 2021, 51, 3889-3900.	6.2	48
105	Hyperspectral Imagery Spatial Super-Resolution Using Generative Adversarial Network. IEEE Transactions on Computational Imaging, 2021, 7, 948-960.	2.6	10
106	Graph Embedding and Distribution Alignment for Domain Adaptation in Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7654-7666.	2.3	20
107	Anomaly Detection in Hyperspectral Imagery Based on Gaussian Mixture Model. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9504-9517.	2.7	30
108	Synthetic Aperture Radar Image Change Detection via Siamese Adaptive Fusion Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10748-10760.	2.3	18

#	Article	IF	Citations
109	A Novel Multitemporal Deep Fusion Network (MDFN) for Short-Term Multitemporal HR Images Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10691-10704.	2.3	16
110	Semi-Supervised Graph Prototypical Networks for Hyperspectral Image Classification. , 2021, , .		9
111	Modified Structure-Aware Collaborative Representation for Hyperspectral Image Classification. , 2021, , .		1
112	Collaborative and Low-Rank Graph for Discriminant Analysis of Hyperspectral Imagery. , 2021, , .		1
113	Corrections to "A Novel Multitemporal Deep Fusion Network (MDFN) for Short-Term Multitemporal HR Images Classification". IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12103-12103.	2.3	0
114	Superpixel-Guided Discriminative Low-Rank Representation of Hyperspectral Images for Classification. IEEE Transactions on Image Processing, 2021, 30, 8823-8835.	6.0	16
115	Feature Extraction for Classification of Hyperspectral and LiDAR Data Using Patch-to-Patch CNN. IEEE Transactions on Cybernetics, 2020, 50, 100-111.	6.2	185
116	Remote sensing images super-resolution with deep convolution networks. Multimedia Tools and Applications, 2020, 79, 8985-9001.	2.6	25
117	Estimation of the spatial distribution of heavy metal in agricultural soils using airborne hyperspectral imaging and random forest. Journal of Hazardous Materials, 2020, 382, 120987.	6.5	113
118	Lateral-Slice Sparse Tensor Robust Principal Component Analysis for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 107-111.	1.4	44
119	Hyperspectral Pansharpening With Deep Priors. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1529-1543.	7.2	77
120	Correntropy-Based Sparse Spectral Clustering for Hyperspectral Band Selection. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 484-488.	1.4	41
121	Ensemble Learning for Hyperspectral Image Classification Using Tangent Collaborative Representation. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3778-3790.	2.7	92
122	Deep nonsmooth nonnegative matrix factorization network with semi-supervised learning for SAR image change detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 160, 167-179.	4.9	37
123	Patch Tensor-Based Multigraph Embedding Framework for Dimensionality Reduction of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1630-1643.	2.7	17
124	Fast and Latent Low-Rank Subspace Clustering for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3906-3915.	2.7	81
125	Deep Latent Spectral Representation Learning-Based Hyperspectral Band Selection for Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2015-2026.	2.7	35
126	Hyperspectral Image Classification via Sparse Representation With Incremental Dictionaries. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1598-1602.	1.4	11

#	Article	IF	Citations
127	A mixture generative adversarial network with category multi-classifier for hyperspectral image classification. Remote Sensing Letters, 2020, 11, 983-992.	0.6	0
128	Deep Prototypical Networks With Hybrid Residual Attention for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3683-3700.	2.3	29
129	Vehicle detection of multi-source remote sensing data using active fine-tuning network. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 39-53.	4.9	48
130	Subpixel Mapping of Hyperspectral Images Using a Labeled-Unlabeled Hybrid Endmember Library and Abundance Optimization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5036-5047.	2.3	3
131	Low rank and collaborative representation for hyperspectral anomaly detection via robust dictionary construction. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 169, 195-211.	4.9	56
132	Application of Random Effects to Explore the Gulf of Mexico Coastal Forest Dynamics in Relation to Meteorological Factors. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5526-5535.	2.3	0
133	Augmented Associative Learning-Based Domain Adaptation for Classification of Hyperspectral Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 6236-6248.	2.3	8
134	Background Learning Based on Target Suppression Constraint for Hyperspectral Target Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5887-5897.	2.3	42
135	Attention-Based Domain Adaptation Using Residual Network for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 6424-6433.	2.3	8
136	Autoencoder and Adversarial-Learning-Based Semisupervised Background Estimation for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5416-5427.	2.7	68
137	Multiple feature regularized kernel for hyperspectral imagery classification. APSIPA Transactions on Signal and Information Processing, 2020, 9, .	2.6	1
138	HTD-Net: A Deep Convolutional Neural Network for Target Detection in Hyperspectral Imagery. Remote Sensing, 2020, 12, 1489.	1.8	66
139	Deep Multilayer Fusion Dense Network for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1258-1270.	2.3	48
140	Robust Capsule Network Based on Maximum Correntropy Criterion for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 738-751.	2.3	56
141	Sketch-Based Subspace Clustering of Hyperspectral Images. Remote Sensing, 2020, 12, 775.	1.8	12
142	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.	2.3	11
143	Discriminative Marginalized Least-Squares Regression for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3148-3161.	2.7	24
144	Semisupervised Spectral Learning With Generative Adversarial Network for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5224-5236.	2.7	53

#	Article	IF	Citations
145	SRUN: Spectral Regularized Unsupervised Networks for Hyperspectral Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1463-1474.	2.7	36
146	CVA^{2}E: A Conditional Variational Autoencoder With an Adversarial Training Process for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5676-5692.	2.7	34
147	Spatial–Spectral Feature Extraction via Deep ConvLSTM Neural Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4237-4250.	2.7	116
148	Spatial and Spectral Joint Super-Resolution Using Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4590-4603.	2.7	73
149	Hyperspectral Image Super-Resolution by Band Attention Through Adversarial Learning. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4304-4318.	2.7	60
150	Discriminative Reconstruction Constrained Generative Adversarial Network for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4666-4679.	2.7	112
151	Fusing China GF-5 Hyperspectral Data with GF-1, GF-2 and Sentinel-2A Multispectral Data: Which Methods Should Be Used?. Remote Sensing, 2020, 12, 882.	1.8	36
152	Joint Classification of Hyperspectral and LiDAR Data Using Hierarchical Random Walk and Deep CNN Architecture. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7355-7370.	2.7	140
153	A Multi-Scale Superpixel-Guided Filter Feature Extraction and Selection Approach for Classification of Very-High-Resolution Remotely Sensed Imagery. Remote Sensing, 2020, 12, 862.	1.8	13
154	Evaluating Convolutional Neural Networks for Cage-Free Floor Egg Detection. Sensors, 2020, 20, 332.	2.1	18
155	Spatial-aware probabilistic collaborative representation for hyperspectral image classification. , 2020, , .		9
156	Guest Editorial Message From Editor-in-Chief. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1-2.	2.3	0
157	Adversarially regularized autoencoder for hyperspectral image unmixing. , 2020, , .		2
158	Hyperspectral Image Classification Based on Tensor-Train Convolutional Long Short-Term Memory. , 2020, , .		3
159	Discriminative Semi-Supervised Generative Adversarial Network for Hyperspectral Anomaly Detection. , 2020, , .		10
160	Probability Fusion for Hyperspectral and LiDAR Data. , 2020, , .		0
161	GETNET: A General End-to-End 2-D CNN Framework for Hyperspectral Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3-13.	2.7	392
162	Unsupervised Manifold Alignment for Cross-Domain Classification of Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1650-1654.	1.4	11

#	Article	IF	Citations
163	A Full-Coverage Daily Average PM2.5 Retrieval Method with Two-Stage IVW Fused MODIS C6 AOD and Two-Stage GAM Model. Remote Sensing, 2019, 11, 1558.	1.8	29
164	Anomaly Detection in Hyperspectral Imagery Based on Low-Rank Representation Incorporating a Spatial Constraint. Remote Sensing, 2019, 11, 1578.	1.8	37
165	Local Spectral Similarity Preserving Regularized Robust Sparse Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7756-7769.	2.7	33
166	Hyperspectral Band Selection Using Weighted Kernel Regularization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3665-3676.	2.3	30
167	Sensor-specific Transfer Learning for Hyperspectral Image Processing. , 2019, , .		4
168	Multitemporal Hyperspectral Image Classification using Collaborative Representation-based Classification with Tikhonov Regularization. , 2019, , .		2
169	Image Registration With Fourier-Based Image Correlation: A Comprehensive Review of Developments and Applications. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4062-4081.	2.3	77
170	Unsupervised Change Detection in Multispectral Remote Sensing Images via Spectral-Spatial Band Expansion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3578-3587.	2.3	43
171	Hyperspectral Anomaly Detection by Fractional Fourier Entropy. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4920-4929.	2.3	152
172	Random forestâ€"based estimation of heavy metal concentration in agricultural soils with hyperspectral sensor data. Environmental Monitoring and Assessment, 2019, 191, 446.	1.3	53
173	Hyperspectral Band Selection: A Review. IEEE Geoscience and Remote Sensing Magazine, 2019, 7, 118-139.	4.9	270
174	Anomaly Detection for Hyperspectral Imagery Based on the Regularized Subspace Method and Collaborative Representation. Remote Sensing, 2019, 11, 1318.	1.8	60
175	Caps-TripleGAN: GAN-Assisted CapsNet for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7232-7245.	2.7	106
176	Hyperspectral and LiDAR Data Classification Using Kernel Collaborative Representation Based Residual Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1963-1973.	2.3	26
177	Structure-Aware Collaborative Representation for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7246-7261.	2.7	37
178	DDLPS: Detail-Based Deep Laplacian Pansharpening for Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8011-8025.	2.7	44
179	Efficient Probabilistic Collaborative Representation-Based Classifier for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1746-1750.	1.4	9
180	Hyperspectral Pansharpening Based on Homomorphic Filtering and Weighted Tensor Matrix. Remote Sensing, 2019, 11, 1005.	1.8	6

#	Article	IF	Citations
181	Unsupervised Spatial–Spectral Feature Learning by 3D Convolutional Autoencoder for Hyperspectral Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6808-6820.	2.7	216
182	Pseudolabel Guided Kernel Learning for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1000-1011.	2.3	8
183	Hyperspectral and LiDAR Data Fusion Classification Using Superpixel Segmentation-Based Local Pixel Neighborhood Preserving Embedding. Remote Sensing, 2019, 11, 550.	1.8	9
184	A Novel Tri-Training Technique for the Semi-Supervised Classification of Hyperspectral Images Based on Regularized Local Discriminant Embedding Feature Extraction. Remote Sensing, 2019, 11, 654.	1.8	19
185	A Parallel Gaussian–Bernoulli Restricted Boltzmann Machine for Mining Area Classification With Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 627-636.	2.3	41
186	Low-Rank and Collaborative Representation for Hyperspectral Anomaly Detection. , 2019, , .		5
187	A Superpixel-Based Coastline Extraction Algorithm for Single-Polarized ENVISAT and ERS Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 5118-5133.	2.3	4
188	Multitemporal Hyperspectral Image Super-Resolution through 3D Generative Adversarial Network. , 2019, , .		16
189	Hyperspectral and Panchromatic Image Fusion Based on Weighted Tensor Matrix. , 2019, , .		1
190	Dual 1D-2D Spatial-Spectral CNN for Hyperspectral Image Super-Resolution. , 2019, , .		18
191	Discriminative CNN Via Metric Learning for Hyperspectral Classification. , 2019, , .		2
192	Land Cover Changes of Bagua Island with Collaborative Representation using Multi-Temporal Satellite Images. , 2019, , .		1
193	Orthogonal Graph-regularized Non-negative Matrix Factorization for Hyperspectral Image Clustering. , 2019, , .		3
194	Log-Euclidean Kernel-Based Joint Sparse Representation for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 5023-5034.	2.3	17
195	Spatial Constrained Hyperspectral Reconstruction from RGB Inputs Using Dictionary Representation. , 2019, , .		7
196	Collaborative Classification of Hyperspectral and Lidar Data With Information Fusion and Deep Nets. , 2019, , .		7
197	Multiple-Feature Ideal Regularized Kernel for Hyperspectral Image Classification. , 2019, , .		0
198	Hierarchical Deep Feature Representation for High-Resolution Scene Classification. , 2019, , .		0

#	Article	IF	Citations
199	Decs-Net: Convolutional Self-Encoding Network for Hyperspectral Image Denoising. , 2019, , .		5
200	Attention-based Domain Adaptation for Hyperspectral Image Classification. , 2019, , .		5
201	Hyperspectral Image Super-Resolution with 1D–2D Attentional Convolutional Neural Network. Remote Sensing, 2019, 11, 2859.	1.8	19
202	Local Sparse Representation Based Spatial Preprocessing For Endmember Extraction. , 2019, , .		3
203	Feature Extraction for Hyperspectral Images Using Local Contain Profile. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 5035-5046.	2.3	10
204	Hyperspectral Image Restoration Based on Low-Rank Recovery With a Local Neighborhood Weighted Spectral–Spatial Total Variation Model. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1409-1422.	2.7	23
205	Self-Paced Joint Sparse Representation for the Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1183-1194.	2.7	101
206	Data Augmentation for Hyperspectral Image Classification With Deep CNN. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 593-597.	1.4	129
207	Discriminative Transfer Joint Matching for Domain Adaptation in Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 972-976.	1.4	66
208	Kernel Collaborative Representation With Local Correlation Features for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1230-1241.	2.7	49
209	Object Tracking in Satellite Videos by Fusing the Kernel Correlation Filter and the Three-Frame-Difference Algorithm. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 168-172.	1.4	86
210	Simultaneous Spatial and Spectral Low-Rank Representation of Hyperspectral Images for Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2872-2886.	2.7	38
211	Diverse Region-Based CNN for Hyperspectral Image Classification. IEEE Transactions on Image Processing, 2018, 27, 2623-2634.	6.0	424
212	Hyperspectral Image Classification With Imbalanced Data Based on Orthogonal Complement Subspace Projection. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3838-3851.	2.7	53
213	Graph-Regularized Fast and Robust Principal Component Analysis for Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3185-3195.	2.7	125
214	Multifeature Dictionary Learning for Collaborative Representation Classification of Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2467-2484.	2.7	64
215	Modified Tensor Locality Preserving Projection for Dimensionality Reduction of Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 277-281.	1.4	56
216	Multisource Remote Sensing Data Classification Based on Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 937-949.	2.7	378

#	Article	IF	Citations
217	Classification of Hyperspectral Imagery Using a New Fully Convolutional Neural Network. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 292-296.	1.4	124
218	Kernel one-class weighted sparse representation classification for change detection. Remote Sensing Letters, 2018, 9, 597-606.	0.6	6
219	Discriminant Analysis-Based Dimension Reduction for Hyperspectral Image Classification: A Survey of the Most Recent Advances and an Experimental Comparison of Different Techniques. IEEE Geoscience and Remote Sensing Magazine, 2018, 6, 15-34.	4.9	62
220	Unsupervised Hyperspectral Remote Sensing Image Clustering Based on Adaptive Density. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 632-636.	1.4	35
221	Modified Extinction Profiles for Hyperspectral Image Classification. , 2018, , .		3
222	Improved Random Projection with <tex>K</tex>-Means Clustering for Hyperspectral Image Classification. , 2018, , .		0
223	Deep Kernel Extreme-Learning Machine for the Spectral–Spatial Classification of Hyperspectral Imagery. Remote Sensing, 2018, 10, 2036.	1.8	32
224	Kernel Spatial-Spectral Based Multi-View Low-Rank Sparse Sbuspace Clustering for Hyperspectral Imagery. , 2018, , .		3
225	Hyperspectral Image Classification Via Sample Expansion for Convolutional Neural Network. , 2018, , .		5
226	Randomized non negative matrix factorization for hyperspectral image classification. , 2018, , .		0
227	Hyperspectral Image Classification Based on Capsule Network. , 2018, , .		8
228	Low-Complexity Hyperspectral Image Compression Using Folded PCA and JPEG2000. , 2018, , .		9
229	Hyperspectral Classification Via Spatial Context Exploration with Multi-Scale CNN. , 2018, , .		7
230	Hyperspectral Classification Based on Siamese Neural Network Using Spectral-Spatial Feature. , 2018, , .		10
231	FPGA Based Implementation of Convolutional Neural Network for Hyperspectral Classification. , 2018, , .		6
232	Decision Fusion of D-InSAR and Pixel Offset Tracking for Coal Mining Deformation Monitoring. Remote Sensing, 2018, 10, 1055.	1.8	29
233	CascadeNet: Modified ResNet with Cascade Blocks. , 2018, , .		4
234	A Novel Multiple Kernel Learning Framework for Remote Sensing Scene Classification. , 2018, , .		2

#	Article	IF	Citations
235	Joint Feature Extraction for Multispectral and Panchromatic Images Based on Convolutional Neural Network. , 2018, , .		2
236	Gabor-Filtering-Based Probabilistic Collaborative Representation for Hyperspectral Image Classification. , 2018, , .		3
237	Hyperspectral Anomaly Detection Using Collaborative Representation With Outlier Removal. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 5029-5038.	2.3	64
238	Unsupervised Feature Extraction for Hyperspectral Imagery Using Collaboration-Competition Graph. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1491-1503.	7.3	22
239	Parallel Multi-view Low-rank and Sparse Subspace Clustering for Unsupervised Hyperspectral Image Classification. , 2018, , .		1
240	Hyperspectral Unmixing Using Sparsity-Constrained Deep Nonnegative Matrix Factorization With Total Variation. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6245-6257.	2.7	99
241	Tensor Low-Rank Discriminant Embedding for Hyperspectral Image Dimensionality Reduction. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 7183-7194.	2.7	25
242	Hyperspectral Image Reconstruction by Latent Low-Rank Representation for Classification. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1422-1426.	1.4	10
243	Hyperspectral Classification Based on Texture Feature Enhancement and Deep Belief Networks. Remote Sensing, 2018, 10, 396.	1.8	78
244	A Randomized Subspace Learning Based Anomaly Detector for Hyperspectral Imagery. Remote Sensing, 2018, 10, 417.	1.8	40
245	Remote Sensing Big Data: Theory, Methods and Applications. Remote Sensing, 2018, 10, 711.	1.8	56
246	GPU-based fast hyperspectral image classification using joint sparse representation with spectral consistency constraint. Journal of Real-Time Image Processing, 2018, 15, 463-475.	2.2	5
247	Gabor feature‐based composite kernel method for hyperspectral image classification. Electronics Letters, 2018, 54, 628-630.	0.5	11
248	Hyperspectral Image Classification by Exploring Low-Rank Property in Spectral or/and Spatial Domain. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2910-2921.	2.3	23
249	Particle Swarm Optimization-Based Band Selection for Hyperspectral Target Detection. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 554-558.	1.4	37
250	Random Hadamard Projections for Hyperspectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 419-423.	1.4	5
251	Transferred Deep Learning for Anomaly Detection in Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 597-601.	1.4	214
252	Subpixel Change Detection of Multitemporal Remote Sensed Images Using Variability of Endmembers. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 796-800.	1.4	15

#	ARTICLE	IF	CITATIONS
253	Band selection for change detection from hyperspectral images. Proceedings of SPIE, 2017, , .	0.8	2
254	Band selection for hyperspectral image classification using extreme learning machine. Proceedings of SPIE, 2017, , .	0.8	4
255	Learning Sensor-Specific Spatial-Spectral Features of Hyperspectral Images via Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4520-4533.	2.7	230
256	Fusing Local and Global Features for High-Resolution Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2889-2901.	2.3	151
257	Hyperspectral Image Classification via Low-Rank and Sparse Representation With Spectral Consistency Constraint. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2117-2121.	1.4	19
258	Fast and Robust Self-Representation Method for Hyperspectral Band Selection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 5087-5098.	2.3	55
259	Discriminant Analysis of Hyperspectral Imagery Using Fast Kernel Sparse and Low-Rank Graph. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6085-6098.	2.7	29
260	Locality Sensitive Discriminant Analysis for Group Sparse Representation-Based Hyperspectral Imagery Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1358-1362.	1.4	28
261	Multiscale Morphological Compressed Change Vector Analysis for Unsupervised Multiple Change Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4124-4137.	2.3	65
262	Hyperspectral Image Classification Using Deep Pixel-Pair Features. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 844-853.	2.7	648
263	Firefly-Algorithm-Inspired Framework With Band Selection and Extreme Learning Machine for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 309-320.	2.3	113
264	Fusing different levels of deep features by deep stacked neural network for hyperspectral images. , 2017, , .		0
265	Hyperspectral image super-resolution via convolutional neural network. , 2017, , .		20
266	Transferred deep learning for hyperspectral target detection. , 2017, , .		35
267	A spectral-spatial multiscale approach for unsupervised multiple change detection. , 2017, , .		2
268	Robust Joint Sparse Representation Based on Maximum Correntropy Criterion for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 7152-7164.	2.7	71
269	Band Selection-Based Dimensionality Reduction for Change Detection in Multi-Temporal Hyperspectral Images. Remote Sensing, 2017, 9, 1008.	1.8	36
270	Supervised Sub-Pixel Mapping for Change Detection from Remotely Sensed Images with Different Resolutions. Remote Sensing, 2017, 9, 284.	1.8	36

#	Article	IF	Citations
271	Dimensionality Reduction of Hyperspectral Image with Graph-Based Discriminant Analysis Considering Spectral Similarity. Remote Sensing, 2017, 9, 323.	1.8	63
272	Hyperspectral Dimensionality Reduction by Tensor Sparse and Low-Rank Graph-Based Discriminant Analysis. Remote Sensing, 2017, 9, 452.	1.8	43
273	Nonlinear Classification of Multispectral Imagery Using Representation-Based Classifiers. Remote Sensing, 2017, 9, 662.	1.8	7
274	Hyperspectral Image Spatial Super-Resolution via 3D Full Convolutional Neural Network. Remote Sensing, 2017, 9, 1139.	1.8	192
275	Sparse graph embedding dimension reduction for hyperspectral image with a new spectral similarity metric. , 2017, , .		3
276	Nonlinear classification of multispectral imagery using representation-based classifiers. , 2017, , .		0
277	Learning sensor-specific features for hyperspectral images via 3-dimensional convolutional autoencoder. , 2017, , .		7
278	Tensor-based offset-sparsity decomposition for hyperspectral image classification. , 2017, , .		0
279	Fusing two convolutional neural networks for high-resolution scene classification. , 2017, , .		4
280	Low-complexity multiple collaborative representations for hyperspectral image classification. , 2017, , .		0
281	A Novel Tri-Training Technique for Semi-Supervised Classification of Hyperspectral Images Based on Diversity Measurement. Remote Sensing, 2016, 8, 749.	1.8	18
282	Remote Sensing Image Scene Classification Using Multi-Scale Completed Local Binary Patterns and Fisher Vectors. Remote Sensing, 2016, 8, 483.	1.8	126
283	Multi-Probe Based Artificial DNA Encoding and Matching Classifier for Hyperspectral Remote Sensing Imagery. Remote Sensing, 2016, 8, 645.	1.8	3
284	Robust Hyperspectral Image Classification by Multi-Layer Spatial-Spectral Sparse Representations. Remote Sensing, 2016, 8, 985.	1.8	34
285	Random-projection-based nonnegative least squares for hyperspectral image unmixing. , 2016, , .		3
286	Joint low rank and sparse representation-based hyperspectral image classification. , 2016, , .		3
287	Parallel collaborative representation for hyperspectral image classification on GPUs. , 2016, , .		3
288	Semisupervised classification of hyperspectral remote sensing images with spatial majority voting. , 2016, , .		2

#	Article	IF	Citations
289	Hadamard-Walsh random projection for hyperspectral image classification. , 2016, , .		6
290	Spectral Variation Alleviation by Low-Rank Matrix Approximation for Hyperspectral Image Analysis. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 796-800.	1.4	17
291	Sparse and Low-Rank Graph for Discriminant Analysis of Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4094-4105.	2.7	100
292	Fast SVD With Random Hadamard Projection for Hyperspectral Dimensionality Reduction. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1275-1279.	1.4	33
293	Particle swarm optimization-based band selection for hyperspectral target detection. , 2016, , .		3
294	Using CNN-based high-level features for remote sensing scene classification. , 2016, , .		12
295	Tangent Distance-Based Collaborative Representation for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1236-1240.	1.4	15
296	Laplacian Regularized Collaborative Graph for Discriminant Analysis of Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7066-7076.	2.7	44
297	How to fully explore the low-rank property for data recovery of hyperspectral images. , 2016, , .		1
298	Integrating spectral and spatial information into deep convolutional Neural Networks for hyperspectral classification. , 2016, , .		43
299	Multispectral image enhancement with extended offset-sparsity decomposition. , 2016, , .		1
300	Extended multi-structure local binary pattern for high-resolution image scene classification. , 2016, , .		8
301	Sub-pixel mapping of remotely sensed imagery based on maximum a posteriori estimation and fuzzy ARTMAP neural network. , 2016, , .		0
302	Hyperspectral image destriping using unmixing-based kriging interpolation. , 2016, , .		3
303	Estimating soil heavy metal concentration using hyperspectral data and weighted K-NN method. , 2016, , .		4
304	Tri_training for remote sensing classification based on multi-scale homogeneity. , 2016, , .		3
305	Prof. Qian (Jenny) Du Becomes Editor-in-Chief of J-STARS Women in GRS. IEEE Geoscience and Remote Sensing Magazine, 2016, 4, 56-57.	4.9	0
306	Hyperspectral Image Classification by Fusing Collaborative and Sparse Representations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4178-4187.	2.3	61

#	Article	IF	Citations
307	Low-Rank Subspace Representation for Supervised and Unsupervised Classification of Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4188-4195.	2.3	28
308	An efficient radial basis function neural network for hyperspectral remote sensing image classification. Soft Computing, 2016, 20, 4753-4759.	2.1	18
309	Message from Incoming Editor-in-Chief. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4-4.	2.3	1
310	Scene classification using local and global features with collaborative representation fusion. Information Sciences, 2016, 348, 209-226.	4.0	141
311	Hyperspectral Band Selection Using Improved Firefly Algorithm. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 68-72.	1.4	95
312	A survey on representation-based classification and detection in hyperspectral remote sensing imagery. Pattern Recognition Letters, 2016, 83, 115-123.	2.6	104
313	Hyperspectral image classification with low-rank subspace and sparse representation. , 2015, , .		9
314	Spatial preprocessing for spectral endmember extraction by local linear embedding. , 2015, , .		2
315	Spatial-spectral classification with local regional filter and Markov random field. , 2015, , .		0
316	Adjusted Spectral Matched Filter for Target Detection in Hyperspectral Imagery. Remote Sensing, 2015, 7, 6611-6634.	1.8	52
317	Endmember extraction by L$_{2,0}$ constrained sparse dictionary selection. , 2015, , .		1
318	Representation-based classification for hyperspectral imagery: An elastic net regularization approach. , 2015, , .		0
319	Hyperspectral image segmentation with low-rank representation and spectral clustering. , 2015, , .		3
320	Hyperspectral image classification using multiple features and nearest regularized subspace. , 2015, , .		3
321	Weighted-Fusion-Based Representation Classifiers for Hyperspectral Imagery. Remote Sensing, 2015, 7, 14806-14826.	1.8	14
322	Combined sparse and collaborative representation for hyperspectral target detection. Pattern Recognition, 2015, 48, 3904-3916.	5.1	191
323	Locality-constrained anomaly detection for hyperspectral imagery. , 2015, , .		0
324	Adaptive sparse representation for hyperspectral image classification. , 2015, , .		7

#	Article	IF	Citations
325	Local Binary Patterns and Extreme Learning Machine for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3681-3693.	2.7	565
326	Hyperspectral image classification for mapping agricultural tillage practices. Journal of Applied Remote Sensing, 2015, 9, 097298.	0.6	16
327	Decision fusion for dual-window-based hyperspectral anomaly detector. Journal of Applied Remote Sensing, 2015, 9, 097297.	0.6	22
328	Optimizing extreme learning machine for hyperspectral image classification. Journal of Applied Remote Sensing, 2015, 9, 097296.	0.6	26
329	Hyperspectral Image Classification Using Weighted Joint Collaborative Representation. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1209-1213.	1.4	55
330	Special Section Guest Editorial: Management and Analytics of Remotely Sensed Big Data. Journal of Applied Remote Sensing, 2015, 9, 097201.	0.6	5
331	Semisupervised Discriminant Analysis for Hyperspectral Imagery With Block-Sparse Graph. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1765-1769.	1.4	29
332	Sparse Representation-Based Nearest Neighbor Classifiers for Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2418-2422.	1.4	33
333	Equivalent-Sparse Unmixing Through Spatial and Spectral Constrained Endmember Selection From an Image-Derived Spectral Library. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2665-2675.	2.3	22
334	Low-Rank Subspace Representation for Estimating the Number of Signal Subspaces in Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6286-6292.	2.7	31
335	Support vector machine with adaptive composite kernel for hyperspectral image classification. Proceedings of SPIE, 2015, , .	0.8	5
336	Kernel weighted joint collaborative representation for hyperspectral image classification. , 2015, , .		2
337	Sparse feature extraction for hyperspectral image classification. , 2015, , .		5
338	GPU Parallel Implementation of Support Vector Machines for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4647-4656.	2.3	42
339	Collaborative Representation for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1463-1474.	2.7	484
340	Collaborative-Representation-Based Nearest Neighbor Classifier for Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 389-393.	1.4	102
341	Collaborative representation based k-nearest neighbor classifier for hyperspectral imagery. , 2014, , .		2
342	Dimensionality reduction of hyperspectral imagery with sparse and collaborative graphs. , 2014, , .		0

#	Article	IF	Citations
343	Joint sparse and collaborative representation for target detection in hyperspectral imagery. , 2014, , .		2
344	Hyperspectral Image Classification Using Band Selection and Morphological Profiles. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 40-48.	2.3	71
345	Ant colony optimization-based supervised and unsupervised band selections for hyperspectral urban data classification. Journal of Applied Remote Sensing, 2014, 8, 085094.	0.6	27
346	Classification of hyperspectral urban data using adaptive simultaneous orthogonal matching pursuit. Journal of Applied Remote Sensing, 2014, 8, 085099.	0.6	24
347	Hyperspectral image classification with improved local-region filters. Journal of Applied Remote Sensing, 2014, 8, 085088.	0.6	13
348	Hyperspectral and LiDAR Data Fusion: Outcome of the 2013 GRSS Data Fusion Contest. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2405-2418.	2.3	349
349	Orthogonal matching pursuit for nonlinear unmixing of hyperspectral imagery. , 2014, , .		1
350	Hyperspectral image classification based on spectra derivative features and locality preserving analysis. , 2014, , .		4
351	PSO-EM: A Hyperspectral Unmixing Algorithm Based On Normal Compositional Model. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7782-7792.	2.7	43
352	Hyperspectral Image Visualization Using Band Selection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2647-2658.	2.3	44
353	Collaborative Graph-Based Discriminant Analysis for Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2688-2696.	2.3	62
354	Improving hyperspectral image classification using smoothing filter via sparse gradient minimization. , 2014, , .		3
355	Kernel Collaborative Representation With Tikhonov Regularization for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2014, , 1-5.	1.4	31
356	An Operational Approach to PCA+JPEG2000 Compression of Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2237-2245.	2.3	35
357	Sparse Graph-Based Discriminant Analysis for Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3872-3884.	2.7	113
358	An efficient semi-supervised classification approach for hyperspectral imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 97, 36-45.	4.9	56
359	Joint Within-Class Collaborative Representation for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2200-2208.	2.3	154
360	Gabor-Filtering-Based Nearest Regularized Subspace for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1012-1022.	2.3	172

#	ARTICLE	IF	CITATIONS
361	Optimized Hyperspectral Band Selection Using Particle Swarm Optimization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2659-2670.	2.3	154
362	Estimation of number of signal subspaces in hyperspectral imagery using low-rank subspace representation. , 2014, , .		3
363	Special Section Guest Editorial: Airborne Hyperspectral Remote Sensing of Urban Environments. Journal of Applied Remote Sensing, 2014, 8, 085001.	0.6	0
364	Fusion of Radiation and Electromagnetic Induction Data for Buried Radioactive Target Detection and Characterization. IEEE Transactions on Nuclear Science, 2013, 60, 1126-1133.	1.2	9
365	Using High-Resolution Airborne and Satellite Imagery to Assess Crop Growth and Yield Variability for Precision Agriculture. Proceedings of the IEEE, 2013, 101, 582-592.	16.4	94
366	Unsupervised nearest regularized subspace for anomaly detection in hyperspectral imagery. , 2013, , .		11
367	Hyperspectral target detection with sparseness constraint. , 2013, , .		3
368	Multiscale spectral-spatial classification for hyperspectral imagery. , 2013, , .		0
369	A Partially Supervised Approach for Detection and Classification of Buried Radioactive Metal Targets Using Electromagnetic Induction Data. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 108-121.	2.7	3
370	A Comparative Study on Linear Regression-Based Noise Estimation for Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 488-498.	2.3	80
371	Decision fusion for improved detection of buried radioactive objects. , 2013, , .		0
372	Combine labeled and unlabeled information for hyperspectral image classification. , 2013, , .		0
373	Decision fusion for buried radioactive target detection and discrimination using radiation and EMI data. , 2013, , .		1
374	Reconstruction From Random Projections of Hyperspectral Imagery With Spectral and Spatial Partitioning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 466-472.	2.3	25
375	A novel endmember extraction method using modified maximum spectral screening. , 2013, , .		0
376	Ant colony optimization for supervised and unsupervised hyperspectral band selection. , 2013, , .		5
377	An optimized band selection scheme for hyperspectral imagery analysis. , 2013, , .		0
378	Multiscale spectral-spatial hyperspectral classification using Multilinear PCA and contourlet transform. , 2013, , .		1

#	Article	IF	Citations
379	Improving the performance of sparse unmixing. , 2013, , .		0
380	Hyperspectral band selection using a collaborative sparse model. , 2012, , .		32
381	An operational approach for hyperspectral image compression. , 2012, , .		2
382	Hyperspectral classification using selected contourlet subbands. , 2012, , .		0
383	Improvement of background characterization for hyperspectral target detection. , 2012, , .		0
384	Particle Swarm Optimization-Based Hyperspectral Dimensionality Reduction for Urban Land Cover Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 544-554.	2.3	115
385	A New Sequential Algorithm for Hyperspectral Endmember Extraction. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 695-699.	1.4	16
386	Optimized Spectral Transformation for Detection and Classification of Buried Radioactive Materials. IEEE Transactions on Nuclear Science, 2012, 59, 1702-1710.	1.2	1
387	A new method for change analysis of multi-temporal hyperspectral images. , 2012, , .		9
388	Applying six classifiers to airborne hyperspectral imagery for detecting giant reed. Geocarto International, 2012, 27, 413-424.	1.7	14
389	Hyperspectral image classification using band selection and morphological profile. , 2012, , .		1
390	Noise-adjusted subspace linear discriminant analysis for hyperspectral-image classification. , 2012, , .		4
391	Hierarchical band clustering for hyperspectral image analysis. , 2012, , .		0
392	Noise-adjusted sparsity-preserving-based dimensionality reduction for hyperspectral image classification. , 2012, , .		0
393	Hyperspectral imagery visualization using band selection. , 2012, , .		5
394	Hyperspectral Unmixing Overview: Geometrical, Statistical, and Sparse Regression-Based Approaches. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 354-379.	2.3	2,181
395	Hyperspectral feature extraction using contourlet transform. , 2012, , .		3
396	Hyperspectral band clustering and band selection for urban land cover classification. Geocarto International, 2012, 27, 395-411.	1.7	24

#	Article	IF	Citations
397	A Hybrid Approach for Building Extraction From Spaceborne Multi-Angular Optical Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 89-100.	2.3	46
398	Anomaly Detection and Reconstruction From Random Projections. IEEE Transactions on Image Processing, 2012, 21, 184-195.	6.0	92
399	Hyperspectral Image Compression Using Segmented Principal Component Analysis. , 2012, , 233-251.		1
400	Improved sequential endmember extraction algorithms. , 2011, , .		3
401	Parallel optimization-based spectral transformation for detection and classification of buried radioactive materials. , 2011, , .		3
402	Fast Band Selection for Hyperspectral Imagery. , 2011, , .		4
403	Particle swarm optimization-based dimensionality reduction for hyperspectral image classification. , 2011, , .		12
404	High Performance Computing for Hyperspectral Remote Sensing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 528-544.	2.3	185
405	Unsupervised Hyperspectral Band Selection Using Graphics Processing Units. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 660-668.	2.3	94
406	Foreword to the Special Issue on High Performance Computing in Earth Observation and Remote Sensing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 503-507.	2.3	25
407	An Efficient Method for Supervised Hyperspectral Band Selection. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 138-142.	1.4	238
408	Multitemporal Hyperspectral Image Compression. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 416-420.	1.4	20
409	Semisupervised Band Clustering for Dimensionality Reduction of Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 1135-1139.	1.4	90
410	Random-projection-based dimensionality reduction and decision fusion for hyperspectral target detection. , 2011, , .		9
411	Detection and classification of buried radioactive-metal objects using wideband EMI data. , 2011, , .		2
412	Foreword to the Special Issue on Spectral Unmixing of Remotely Sensed Data. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4103-4110.	2.7	133
413	Applying spectral unmixing and support vector machine to airborne hyperspectral imagery for detecting giant reed. , 2011, , .		2
414	Nonlinear Spectral Mixture Analysis for Hyperspectral Imagery in an Unknown Environment. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 836-840.	1.4	56

#	Article	IF	Citations
415	Decision Fusion on Supervised and Unsupervised Classifiers for Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 875-879.	1.4	44
416	A joint optical flow and principal component analysis approach for motion detection. , 2010, , .		8
417	On the performance of random-projection-based dimensionality reduction for endmember extraction. , 2010, , .		4
418	Particle swarm optimization based spectral transformation for radioactive material detection and classification. , 2010, , .		5
419	Estimation of mass and depth of buried radioactive materials using neural networks. , 2010, , .		0
420	Spectral unmixing of airborne hyperspectral imagery for mapping giant reed infestations. , 2010, , .		1
421	Weighted decision fusion for supervised and unsupervised hyperspectral image classification. , 2010, , .		3
422	Virtual dimensionality estimation for hyperspectral imagery with a fractal-based method. , 2010, , .		9
423	Noise-Adjusted Principal Component Analysis for Buried Radioactive Target Detection and Classification. IEEE Transactions on Nuclear Science, 2010, , .	1.2	9
424	Decision fusion for supervised and unsupervised hyperspectral image classification. , 2009, , .		5
425	Segmented Principal Component Analysis for Parallel Compression of Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 713-717.	1.4	45
426	Fast real-time onboard processing of hyperspectral imagery for detection and classification. Journal of Real-Time Image Processing, 2009, 4, 273-286.	2.2	49
427	An improved box-counting method for image fractal dimension estimation. Pattern Recognition, 2009, 42, 2460-2469.	5.1	405
428	Comparison of spectral-spatial classification for urban hyperspectral imagery with high resolution. , 2009, , .		0
429	Improving the quality of extracted endmembers. , 2009, , .		1
430	On the Impact of Atmospheric Correction on Lossy Compression of Multispectral and Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 130-132.	2.7	23
431	Unsupervised hyperspectral band selection using parallel processing. , 2009, , .		2
432	Nonlinear mixture analysis for hyperspectral imagery. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
433	Combination of multispectral remote sensing, variable rate technology and environmental modeling for citrus pest management. Journal of Environmental Management, 2008, 86, 14-26.	3.8	32
434	Color Display for Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1858-1866.	2.7	65
435	Automated Target Detection and Discrimination Using Constrained Kurtosis Maximization. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 38-42.	1.4	40
436	Similarity-Based Unsupervised Band Selection for Hyperspectral Image Analysis. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 564-568.	1.4	353
437	Anomaly-Based JPEG2000 Compression of Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 696-700.	1.4	27
438	Low-Complexity Principal Component Analysis for Hyperspectral Image Compression. International Journal of High Performance Computing Applications, 2008, 22, 438-448.	2.4	103
439	Anomaly-Based Hyperspectral Image Compression. , 2008, , .		3
440	End-member extraction for hyperspectral image analysis. Applied Optics, 2008, 47, F77.	2.1	91
441	On the performance improvement for linear discriminant analysis-based hyperspectral image classification. , 2008, , .		3
442	Improvements to 3D-Tarp Coding for the Compression of Hyperspectral Imagery. , 2008, , .		3
443	Parallel Data Compression for Hyperspectral Imagery. , 2008, , .		5
444	Dependent component analysis for multi-frame image restoration and enhancement. , 2008, , .		0
445	Dimensionality Reduction and Linear Discriminant Analysis for Hyperspectral Image Classification. Lecture Notes in Computer Science, 2008, , 392-399.	1.0	10
446	Unsupervised band selection for hyperspectral image analysis. , 2007, , .		7
447	Hyperspectral image compression with the 3D dual-tree wavelet transform. , 2007, , .		5
448	Modified Fisher's Linear Discriminant Analysis for Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 503-507.	1.4	119
449	On the Performance Evaluation of Pan-Sharpening Techniques. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 518-522.	1.4	155
450	Implementation of Low-Complexity Principal Component Analysis for Remotely Sensed Hyperspectral-Image Compression. Signal Processing Systems Design and Implementation (siPS), IEEE Workshop on, 2007, , .	0.0	7

#	Article	IF	Citations
451	Hyperspectral Image Compression Using JPEG2000 and Principal Component Analysis. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 201-205.	1.4	359
452	Unsupervised real-time constrained linear discriminant analysis to hyperspectral image classification. Pattern Recognition, 2007, 40, 1510-1519.	5.1	12
453	Hyperspectral Imagery Visualization Using Double Layers. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 3028-3036.	2.7	28
454	Real-Time Online Processing of Hyperspectral Imagery for Target Detection and Discrimination. Chapman & Hall/CRC Computer and Information Science Series, 2007, , 397-409.	0.4	1
455	Automatic target recognition for hyperspectral imagery using high-order statistics. IEEE Transactions on Aerospace and Electronic Systems, 2006, 42, 1372-1385.	2.6	64
456	Restoration of Degraded Video Through Turbulent Atmosphere. , 2006, , .		0
457	Implementation of real-time constrained linear discriminant analysis to remote sensing image classification. Pattern Recognition, 2005, 38, 459-471.	5.1	20
458	INDEPENDENT COMPONENT ANALYSIS FOR CLASSIFYING MULTISPECTRAL IMAGES WITH DIMENSIONALITY LIMITATION. International Journal of Information Acquisition, 2004, 01, 201-216.	0.2	15
459	Linear mixture analysis-based compression for hyperspectral image analysis. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 875-891.	2.7	35
460	Estimation of Number of Spectrally Distinct Signal Sources in Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 608-619.	2.7	810
461	A signal-decomposed and interference-annihilated approach to hyperspectral target detection. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 892-906.	2.7	46
462	Independent component analysis approach to image sharpening in the presence of atmospheric turbulence. Optics Communications, 2004, 233, 7-14.	1.0	20
463	Real-time constrained linear discriminant analysis to target detection and classification in hyperspectral imagery. Pattern Recognition, 2003, 36, 1-12.	5.1	62
464	A comparative study for orthogonal subspace projection and constrained energy minimization. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 1525-1529.	2.7	115
465	Lagrange constrained neural network-based approach to hyperspectral remote sensing image classification. , 2003, , .		0
466	A linear constrained distance-based discriminant analysis for hyperspectral image classification. Pattern Recognition, 2001, 34, 361-373.	5.1	128
467	<title>Noise subspace projection approaches to determination of intrinsic dimensionality of hyperspectral imagery</title>. , 1999, , .		16
468	Interference and noise-adjusted principal components analysis. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 2387-2396.	2.7	145

#	Article	IF	Citations
469	A joint band prioritization and band-decorrelation approach to band selection for hyperspectral image classification. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 2631-2641.	2.7	508
470	An interference rejection approach to noise adjusted principal components transform. , 1998, , .		2
471	Investigation on constrained matrix factorization for hyperspectral image analysis. , 0, , .		2
472	An ROC analysis for subpixel detection. , 0, , .		25
473	An interference rejection-based radial basis function neural network for hyperspectral image classification. , 0, , .		8
474	Hidden Markov model approaches to hyperspectral image classification. , 0, , .		5
475	A study between orthogonal subspace projection and generalized likelihood ratio test in hyperspectral image analysis. , 0, , .		3
476	Real-time VLSI architecture for hyperspectral image classification using the constrained linear discriminant algorithm. , 0, , .		0
477	Constrained weighted least squares approaches for target detection and classification in hyperspectral imagery. , 0, , .		1
478	Band selection and its impact on target detection and classification in hyperspectral image analysis. , 0, , .		11
479	Comparison between constrained energy minimization based approaches for hyperspectral imagery. , 0, , .		11
480	Adaptive Gaussian mixture estimation and its application to unsupervised classification of remotely sensed images. , 0, , .		2
481	Citrus pest stress monitoring using airborne hyperspectral imagery. , 0, , .		4
482	Realtime online data compression for hyperspectral imagery. , 0, , .		1
483	Optimal linear unmixing for hyperspectral image analysis. , 0, , .		5
484	Unsupervised linear unmixing for change detection in multitemporal airborne hyperspectral imagery. , 0, , .		13
485	Performance evaluation for pan-sharpening techniques. , 0, , .		10