Chein-I Chang

List of Publications by Year
in descending order

255 papers	10,558 citations	50273 46 h-index	39667 94 g-index
258 all docs	258 docs citations	258 times ranked	4128 citing authors

#	Article	IF	Citations
1	Estimation of Number of Spectrally Distinct Signal Sources in Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 608-619.	6.3	810
2	Independent component analysis-based dimensionality reduction with applications in hyperspectral image analysis. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 1586-1600.	6.3	517
3	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.	6.3	508
4	An information-theoretic approach to spectral variability, similarity, and discrimination for hyperspectral image analysis. IEEE Transactions on Information Theory, 2000, 46, 1927-1932.	2.4	443
5	Anomaly detection and classification for hyperspectral imagery. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 1314-1325.	6.3	438
6	Constrained band selection for hyperspectral imagery. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 1575-1585.	6.3	405
7	Automatic spectral target recognition in hyperspectral imagery. IEEE Transactions on Aerospace and Electronic Systems, 2003, 39, 1232-1249.	4.7	378
8	New hyperspectral discrimination measure for spectral characterization. Optical Engineering, 2004, 43, 1777.	1.0	325
9	Constrained subpixel target detection for remotely sensed imagery. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1144-1159.	6.3	294
10	A Fast Iterative Algorithm for Implementation of Pixel Purity Index. IEEE Geoscience and Remote Sensing Letters, 2006, 3, 63-67.	3.1	245
11	Orthogonal subspace projection (OSP) revisited: a comprehensive study and analysis. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 502-518.	6.3	230
12	Semi-Supervised Linear Spectral Unmixing Using a Hierarchical Bayesian Model for Hyperspectral Imagery. IEEE Transactions on Signal Processing, 2008, 56, 2684-2695.	5.3	158
13	A Simplified 2D-3D CNN Architecture for Hyperspectral Image Classification Based on Spatial–Spectral Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2485-2501.	4.9	147
14	A linear constrained distance-based discriminant analysis for hyperspectral image classification. Pattern Recognition, 2001, 34, 361-373.	8.1	128
15	An Effective Evaluation Tool for Hyperspectral Target Detection: 3D Receiver Operating Characteristic Curve Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5131-5153.	6.3	128
16	Spectral information divergence for hyperspectral image analysis. , 0, , .		127
17	Unsupervised hyperspectral image analysis with projection pursuit. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 2529-2538.	6.3	125
18	A comparative study for orthogonal subspace projection and constrained energy minimization. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 1525-1529.	6.3	115

#	Article	IF	Citations
19	A quantitative and comparative analysis of linear and nonlinear spectral mixture models using radial basis function neural networks. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 2314-2318.	6.3	107
20	Multiparameter Receiver Operating Characteristic Analysis for Signal Detection and Classification. IEEE Sensors Journal, 2010, 10, 423-442.	4.7	106
21	Fast Algorithms to Implement N-FINDR for Hyperspectral Endmember Extraction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 545-564.	4.9	102
22	An experiment-based quantitative and comparative analysis of target detection and image classification algorithms for hyperspectral imagery. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1044-1063.	6.3	100
23	Real-time processing algorithms for target detection and classification in hyperspectral imagery. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 760-768.	6.3	97
24	Linear spectral random mixture analysis for hyperspectral imagery. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 375-392.	6.3	93
25	A Review of Virtual Dimensionality for Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1285-1305.	4.9	91
26	A generalized orthogonal subspace projection approach to unsupervised multispectral image classification. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 2515-2528.	6.3	89
27	Target signature-constrained mixed pixel classification for hyperspectral imagery. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 1065-1081.	6.3	88
28	Multiple-Window Anomaly Detection for Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 644-658.	4.9	81
29	Real-Time Progressive Hyperspectral Image Processing. , 2016, , .		80
30	A posteriori least squares orthogonal subspace projection approach to desired signature extraction and detection. IEEE Transactions on Geoscience and Remote Sensing, 1997, 35, 127-139.	6.3	78
31	Hyperspectral Image Classification Method Based on CNN Architecture Embedding With Hashing Semantic Feature. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1866-1881.	4.9	69
32	Progressive Band Selection of Spectral Unmixing for Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2002-2017.	6.3	68
33	A Subpixel Target Detection Approach to Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5093-5114.	6.3	66
34	Automatic target recognition for hyperspectral imagery using high-order statistics. IEEE Transactions on Aerospace and Electronic Systems, 2006, 42, 1372-1385.	4.7	64
35	Weighted abundance-constrained linear spectral mixture analysis. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 378-388.	6.3	63
36	Feedback Attention-Based Dense CNN for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	63

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37	Three-Dimensional Wavelet-Based Compression of Hyperspectral Imagery. , 0, , 379-407.		62
38	Maximum Orthogonal Subspace Projection Approach to Estimating the Number of Spectral Signal Sources in Hyperspectral Imagery. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 504-520.	10.8	62
39	Random N-Finder (N-FINDR) Endmember Extraction Algorithms for Hyperspectral Imagery. IEEE Transactions on Image Processing, 2011, 20, 641-656.	9.8	61
40	Target-Constrained Interference-Minimized Band Selection for Hyperspectral Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6044-6064.	6.3	61
41	Real-Time Simplex Growing Algorithms for Hyperspectral Endmember Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 1834-1850.	6.3	57
42	Spectralâ€"Spatial Feature Extraction for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8131-8143.	6.3	57
43	Component Analysis-Based Unsupervised Linear Spectral Mixture Analysis for Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4123-4137.	6.3	52
44	Real-time causal processing of anomaly detection for hyperspectral imagery. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 1511-1534.	4.7	52
45	Further results on relationship between spectral unmixing and subspace projection. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 1030-1032.	6.3	51
46	Parallel Implementation of Endmember Extraction Algorithms From Hyperspectral Data. IEEE Geoscience and Remote Sensing Letters, 2006, 3, 334-338.	3.1	50
47	Class Signature-Constrained Background- Suppressed Approach to Band Selection for Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 14-31.	6.3	49
48	A Theory of High-Order Statistics-Based Virtual Dimensionality for Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 188-208.	6.3	48
49	Statistical Detection Theory Approach to Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2057-2074.	6.3	47
50	A fast two-stage classification method for high-dimensional remote sensing data. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 182-191.	6.3	46
51	A signal-decomposed and interference-annihilated approach to hyperspectral target detection. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 892-906.	6.3	46
52	3-D Receiver Operating Characteristic Analysis for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8093-8115.	6.3	46
53	Comparative Study and Analysis Among ATGP, VCA, and SGA for Finding Endmembers in Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4280-4306.	4.9	45
54	Hyperspectral Image Classification via Compressive Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8290-8303.	6.3	44

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55	A Review of Unsupervised Spectral Target Analysis for Hyperspectral Imagery. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	43
56	Spectral Adversarial Feature Learning for Anomaly Detection in Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2352-2365.	6.3	43
57	Iterative Target-Constrained Interference-Minimized Classifier for Hyperspectral Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1095-1117.	4.9	42
58	Orthogonal Subspace Projection-Based Go-Decomposition Approach to Finding Low-Rank and Sparsity Matrices for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2403-2429.	6.3	42
59	A COMPUTER-AIDED SYSTEM FOR MASS DETECTION AND CLASSIFICATION IN DIGITIZED MAMMOGRAMS. Biomedical Engineering - Applications, Basis and Communications, 2005, 17, 215-228.	0.6	41
60	Band Subset Selection for Anomaly Detection in Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4887-4898.	6.3	41
61	Estimation of subpixel target size for remotely sensed imagery. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 1309-1320.	6.3	38
62	Random Pixel Purity Index. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 324-328.	3.1	38
63	Detection of spectral signatures in multispectral MR images for classification. IEEE Transactions on Medical Imaging, 2003, 22, 50-61.	8.9	37
64	Discriminative Feature Learning With Distance Constrained Stacked Sparse Autoencoder for Hyperspectral Target Detection. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1462-1466.	3.1	37
65	Discriminative Reconstruction for Hyperspectral Anomaly Detection With Spectral Learning. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7406-7417.	6.3	37
66	A noise subspace projection approach to target signature detection and extraction in an unknown background for hyperspectral images. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 171-181.	6.3	36
67	Classification of Tree Species in Overstorey Canopy of Subtropical Forest Using QuickBird Images. PLoS ONE, 2015, 10, e0125554.	2.5	36
68	Linear mixture analysis-based compression for hyperspectral image analysis. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 875-891.	6.3	35
69	Variable-Number Variable-Band Selection for Feature Characterization in Hyperspectral Signatures. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 2979-2992.	6.3	35
70	Anomaly Detection Using Causal Sliding Windows. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 3260-3270.	4.9	35
71	Constrained-Target Band Selection for Multiple-Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6079-6103.	6.3	34
72	Low-rank decomposition-based anomaly detection. Proceedings of SPIE, 2013, , .	0.8	33

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73	<italic>A Posteriori</italic> Hyperspectral Anomaly Detection for Unlabeled Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3091-3106.	6.3	33
74	Band-Specified Virtual Dimensionality for Band Selection: An Orthogonal Subspace Projection Approach. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2822-2832.	6.3	32
75	A Kalman filtering approach to multispectral image classification and detection of changes in signature abundance. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 257-268.	6.3	30
76	Improved Process for Use of a Simplex Growing Algorithm for Endmember Extraction. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 523-527.	3.1	30
77	Hyperspectral Band Selection for Spectralâ€"Spatial Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3426-3436.	6.3	30
78	Iterative Support Vector Machine for Hyperspectral Image Classification. , 2018, , .		29
79	Hyperspectral Target Detection: Hypothesis Testing, Signal-to-Noise Ratio, and Spectral Angle Theories. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-23.	6.3	29
80	Hyperspectral Anomaly Detection: A Dual Theory of Hyperspectral Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-20.	6.3	29
81	Orthogonal Subspace Projection Target Detector for Hyperspectral Anomaly Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4915-4932.	4.9	29
82	Sequential N-FINDR algorithms. Proceedings of SPIE, 2008, , .	0.8	28
83	Iterative Scale-Invariant Feature Transform for Remote Sensing Image Registration. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3244-3265.	6.3	28
84	Kernel-based constrained energy minimization (K-CEM). Proceedings of SPIE, 2008, , .	0.8	27
85	Progressive dimensionality reduction by transform for hyperspectral imagery. Pattern Recognition, 2011, 44, 2760-2773.	8.1	27
86	Class Feature Weighted Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4728-4745.	4.9	27
87	Progressive Band Dimensionality Expansion and Reduction Via Band Prioritization for Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 591-614.	4.9	26
88	An ROC analysis for subpixel detection. , 0, , .		25
89	Band Subset Selection for Hyperspectral Image Classification. Remote Sensing, 2018, 10, 113.	4.0	25
90	Self-Mutual Information-Based Band Selection for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5979-5997.	6.3	25

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91	Orthogonal Subspace Projection Using Data Sphering and Low-Rank and Sparse Matrix Decomposition for Hyperspectral Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8704-8722.	6.3	24
92	On calculating the capacity of an infinite-input finite (infinite)-output channel. IEEE Transactions on Information Theory, 1988, 34, 1004-1010.	2.4	23
93	An unsupervised vector quantization-based target subspace projection approach to mixed pixel detection and classification in unknown background for remotely sensed imagery. Pattern Recognition, 1999, 32, 1161-1174.	8.1	23
94	Channel Capacity Approach to Hyperspectral Band Subset Selection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4630-4644.	4.9	22
95	Constrained Band Subset Selection for Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2032-2036.	3.1	21
96	Class Information-Based Band Selection for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8394-8416.	6.3	21
97	Underwater Hyperspectral Target Detection with Band Selection. Remote Sensing, 2020, 12, 1056.	4.0	21
98	Fisher's linear spectral mixture analysis. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 2292-2304.	6.3	20
99	Progressive Band Processing of Constrained Energy Minimization for Subpixel Detection. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1626-1637.	6.3	20
100	Iterative Training Sampling Coupled With Active Learning for Semisupervised Spectral–Spatial Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8672-8692.	6.3	20
101	Unsupervised hyperspectral image analysis using independent component analysis. , 0, , .		19
102	Stochastic Mixture Modeling. , 0, , 107-148.		19
103	3D combinational curves for accuracy and performance analysis of positive biometrics identification. Optics and Lasers in Engineering, 2008, 46, 477-490.	3.8	19
104	Image segmentation by local entropy methods. , 0, , .		17
105	Kernel-Based Linear Spectral Mixture Analysis. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 129-133.	3.1	17
106	A Theory of Recursive Orthogonal Subspace Projection for Hyperspectral Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3055-3072.	6.3	16
107	Unsupervised Domain Adaptation With Dense-Based Compaction for Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12287-12299.	4.9	16
108	Effective Anomaly Space for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-24.	6.3	16

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109	Hyperspectral Imaging Systems. , 0, , 17-45.		15
110	Real-time N-finder processing algorithms for hyperspectral imagery. Journal of Real-Time Image Processing, 2012, 7, 105-129.	3.5	15
111	Recursive Band Processing of Automatic Target Generation Process for Finding Unsupervised Targets in Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5081-5094.	6.3	15
112	Progressive Band Processing of Anomaly Detection in Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 3558-3571.	4.9	14
113	Real-Time Recursive Hyperspectral Sample and Band Processing. , 2017, , .		14
114	A Deep Pipelined Implementation of Hyperspectral Target Detection Algorithm on FPGA Using HLS. Remote Sensing, 2018, 10, 516.	4.0	14
115	Progressive Band Selection Processing of Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1762-1766.	3.1	14
116	Virtual dimensionality for hyperspectral imagery. SPIE Newsroom, 2009, , .	0.1	14
117	Constrained Energy Minimization Anomaly Detection for Hyperspectral Imagery via Dummy Variable Trick. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	14
118	An oblique subspace projection approach for mixed pixel classification in hyperspectral images. Pattern Recognition, 1999, 32, 1399-1408.	8.1	13
119	Relative entropy-based methods for image thresholding. , 0, , .		13
120	Progressive Band Processing of Linear Spectral Unmixing for Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2583-2597.	4.9	13
121	Recursive Orthogonal Projection-Based Simplex Growing Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3780-3793.	6.3	13
122	Spectral Inter-Band Discrimination Capacity of Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1749-1766.	6.3	13
123	Iterative Random Training Sampling Spectral Spatial Classification for Hyperspectral Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3986-4007.	4.9	13
124	Component Decomposition Analysis for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-22.	6.3	13
125	Unsupervised Domain Adaptation With Content-Wise Alignment for Hyperspectral Imagery Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	13
126	Applications of Kalman Filtering to Single Hyperspectral Signature Analysis. IEEE Sensors Journal, 2010, 10, 547-563.	4.7	12

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127	A Spectral–Spatial Feedback Close Network System for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 10056-10069.	6.3	12
128	Fusion of Spectral–Spatial Classifiers for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5008-5027.	6.3	12
129	Unsupervised Hyperspectral Band Selection via Hybrid Graph Convolutional Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	12
130	Comparison between constrained energy minimization based approaches for hyperspectral imagery. , 0, , .		11
131	Variants of Principal Components Analysis. , 2007, , .		11
132	Semisupervised Support Vector Machines for Classification of Hyperspectral Remote Sensing Images. , 0, , 275-311.		11
133	Constrained multiple band selection for hyperspectral imagery. , 2016, , .		11
134	Fusion of Various Band Selection Methods for Hyperspectral Imagery. Remote Sensing, 2019, 11, 2125.	4.0	11
135	Kernel-Based Constrained Energy Minimization for Hyperspectral Mixed Pixel Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-23.	6.3	11
136	Exploration of virtual dimensionality in hyperspectral image analysis. , 2006, , .		10
137	Multiple-Window Anomaly Detection for Hyperspectral Imagery. , 2008, , .		10
138	A Novel FPGA-Based Architecture for Fast Automatic Target Detection in Hyperspectral Images. Remote Sensing, 2019, 11, 146.	4.0	10
139	An Iterative Random Training Sample Selection Approach to Constrained Energy Minimization for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1625-1629.	3.1	10
140	An unsupervised approach to color video thresholding. , 2003, , .		9
141	An Iterative Mixed Pixel Classification for Brain Tissues and White Matter Hyperintensity in Magnetic Resonance Imaging. IEEE Access, 2019, 7, 124674-124687.	4.2	9
142	Semisupervised Hyperspectral Band Selection Based on Dual-Constrained Low-Rank Representation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	9
143	Hyperspectral Anomaly Detection by Data Sphering and Sparsity Density Peaks. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21.	6.3	9
144	An interference rejection-based radial basis function neural network for hyperspectral image classification. , 0, , .		8

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145	Discrimination and identification for subpixel targets in hyperspectral imagery. , 0, , .		8
146	An Optical Real-Time Adaptive Spectral Identification System (ORASIS). , 0, , 75-106.		8
147	Band weighting spectral measurement for detection of pesticide residues using hyperspectral remote sensing. , 2015, , .		8
148	Recursive Band Processing of Orthogonal Subspace Projection for Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 3-7.	3.1	8
149	Adaptive Linear Spectral Mixture Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1240-1253.	6.3	8
150	Linear spectral unmixing using least squares error, orthogonal projection and simplex volume for hyperspectral images. , 2015, , .		7
151	Progressive Band Processing of Fast Iterative Pixel Purity Index for Finding Endmembers. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1464-1468.	3.1	7
152	Multi-class constrained background suppression approach to hyperspectral image classification. , 2017, , .		7
153	Breast Tumor Detection and Classification Using Intravoxel Incoherent Motion Hyperspectral Imaging Techniques. BioMed Research International, 2019, 2019, 1-15.	1.9	7
154	Sequential Band Fusion for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	7
155	A new application of texture unit coding to mass classification for mammograms. , 0, , .		6
156	A unified theory for target-specified virtual dimensionality of hyperspectral imagery. Proceedings of SPIE, 2012, , .	0.8	6
157	A Multilevel Slicing Based Coding Method for Tree Detection. , 2018, , .		6
158	Band Sampling of Kernel Constrained Energy Minimization Using Training Samples for Hyperspectral Mixed Pixel Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21.	6.3	6
159	Hidden Markov model approaches to hyperspectral image classification. , 0, , .		5
160	A nested spatial window-based approach to target detection for hyperspectral imagery. , 0, , .		5
161	Progressive band selection for satellite hyperspectral data compression and transmission. Journal of Applied Remote Sensing, 2010, 4, 041770.	1.3	5
162	A Hyperspectral Imaging Approach to White Matter Hyperintensities Detection in Brain Magnetic Resonance Images. Remote Sensing, 2017, 9, 1174.	4.0	5

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163	Progressive Compressively Sensed Band Processing for Hyperspectral Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2378-2390.	6.3	5
164	Adaptive causal anomaly detection for hyperspectral imagery. , 0, , .		4
165	3D ROC analysis for detection software used in water monitoring. , 2005, 5995, 87.		4
166	Does an endmember set really yield maximum simplex volume?. , 2007, , .		4
167	Hyperspectral Data Representation. , 0, , 205-225.		4
168	Gram-Schmidt orthogonal vector projection for hyperspectral unmixing. , 2014, , .		4
169	Multiple band selection for anomaly detection in hyperspectral imagery. , 2016, , .		4
170	A Semantic Feature Extraction Method For Hyperspectral Image Classification Based On Hashing Learning. , 2018, , .		4
171	Editorial for Special Issue "Hyperspectral Imaging and Applications". Remote Sensing, 2019, 11, 2012.	4.0	4
172	Deep 2D Convolutional Neural Network with Deconvolution Layer for Hyperspectral Image Classification. Lecture Notes in Electrical Engineering, 2020, , 149-156.	0.4	4
173	N-FINDER for Finding Endmembers in Compressively Sensed Band Domain. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1087-1101.	6.3	4
174	Multispatial Filtering Module Cascaded System for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21.	6.3	4
175	Progressive Band Subset Fusion for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-24.	6.3	4
176	A sigmoidal radial basis function neural network for function approximation. , 0, , .		3
177	Linearly constrained minimum variance beamforming approach to target detection and classification for hyperspectral imagery. , 0, , .		3
178	Unsupervised fully constrained squares linear spectral mixture analysis method for multispectral imagery. , 0, , .		3
179	A study between orthogonal subspace projection and generalized likelihood ratio test in hyperspectral image analysis. , 0, , .		3
180	How to effectively utilize information to design hyperspectral target detection and classification algorithms. , 0, , .		3

#	Article	IF	Citations
181	Unmixing Hyperspectral Data: Independent and Dependent Component Analysis. , 0, , 149-177.		3
182	Real-time processing of simplex growing algorithm. , 2009, , .		3
183	Iterative Pixel Purity Index. , 2012, , .		3
184	Recursive automatic target generation process for unsupervised hyperspectral target detection. , 2014, , .		3
185	An information theoretical approach to multiple-band selection for hyperspectral imagery. , 2016, , .		3
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187	Optical Remote Sensing Image Registration Using Spatial-Consistency and Average Regional Information Divergence Minimization via Quantum-Behaved Particle Swarm Optimization. Remote Sensing, 2020, 12, 3066.	4.0	3
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