

Chein-I Chang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207
papers

7,331
citations

41
h-index

81
g-index

258
ext. papers

8,883
ext. citations

5.9
avg, IF

6.82
L-index

#	Paper	IF	Citations
207	Band Sampling of Kernel Constrained Energy Minimization Using Training Samples for Hyperspectral Mixed Pixel Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	1
206	Unsupervised Domain Adaptation With Content-Wise Alignment for Hyperspectral Imagery Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022 , 19, 1-5	4.1	3
205	Hyperspectral Anomaly Detection by Data Sphering and Sparsity Density Peaks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	3
204	Bi-endmember Semi-NMF Based on Low-Rank and Sparse Matrix Decomposition. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	1
203	Effective Anomaly Space for Hyperspectral Anomaly Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	6
202	Unsupervised Hyperspectral Band Selection via Hybrid Graph Convolutional Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	2
201	Estimating Optimal Number of Compressively Sensed Bands for Hyperspectral Classification via Feature Selection. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 11775-11788	4.7	1
200	Unsupervised Domain Adaptation With Dense-Based Compaction for Hyperspectral Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 12287-12299	4.7	5
199	Constrained Energy Minimization Anomaly Detection for Hyperspectral Imagery via Dummy Variable Trick. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	6
198	Component Decomposition Analysis for Hyperspectral Anomaly Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-22	8.1	3
197	Progressive Compressively Sensed Band Processing for Hyperspectral Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 2378-2390	8.1	3
196	An Iterative Random Training Sample Selection Approach to Constrained Energy Minimization for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 18, 1625-1629	4.1	4
195	Iterative Scale-Invariant Feature Transform for Remote Sensing Image Registration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 3244-3265	8.1	12
194	Target-Constrained Interference-Minimized Band Selection for Hyperspectral Target Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 6044-6064	8.1	16
193	Fusion of SpectralSpatial Classifiers for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 5008-5027	8.1	5
192	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 5979-5997	8.1	11
191	An Effective Evaluation Tool for Hyperspectral Target Detection: 3D Receiver Operating Characteristic Curve Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 5131-5153	8.1	43

190	Orthogonal Subspace Projection-Based Go-Decomposition Approach to Finding Low-Rank and Sparsity Matrices for Hyperspectral Anomaly Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 2403-2429	8.1	21
189	Kernel-Based Constrained Energy Minimization for Hyperspectral Mixed Pixel Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-23	8.1	4
188	Hyperspectral Target Detection: Hypothesis Testing, Signal-to-Noise Ratio, and Spectral Angle Theories. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-23	8.1	13
187	Multispatial Filtering Module Cascaded System for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-21	8.1	1
186	Orthogonal Subspace Projection Using Data Sphering and Low-Rank and Sparse Matrix Decomposition for Hyperspectral Target Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 8704-8722	8.1	12
185	Iterative Training Sampling Coupled With Active Learning for Semisupervised Spectral-Spatial Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 8672-8692	8.1	7
184	Hyperspectral Anomaly Detection: A Dual Theory of Hyperspectral Target Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-20	8.1	9
183	Feedback Attention-Based Dense CNN for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-16	8.1	25
182	Sequential Band Fusion for Hyperspectral Anomaly Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-16	8.1	3
181	Orthogonal Subspace Projection Target Detector for Hyperspectral Anomaly Detection. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 4915-4932	4.7	15
180	Semisupervised Hyperspectral Band Selection Based on Dual-Constrained Low-Rank Representation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	4
179	Restricted Entropy and Spectrum Properties for the Compressively Sensed Domain in Hyperspectral Imaging. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 5642-5652	8.1	2
178	N-FINDER for Finding Endmembers in Compressively Sensed Band Domain. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 1087-1101	8.1	2
177	A Simplified 2D-3D CNN Architecture for Hyperspectral Image Classification Based on Spatial-Spectral Fusion. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 2485-2501	4.7	71
176	Underwater Hyperspectral Target Detection with Band Selection. <i>Remote Sensing</i> , 2020 , 12, 1056	5	7
175	Discriminative Reconstruction for Hyperspectral Anomaly Detection With Spectral Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 7406-7417	8.1	22
174	Hyperspectral Band Selection for Spectral-Spatial Anomaly Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 3426-3436	8.1	19
173	Spectral Adversarial Feature Learning for Anomaly Detection in Hyperspectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 2352-2365	8.1	25

172	Progressive Band Selection Processing of Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1762-1766	4.1	8
171	Optical Remote Sensing Image Registration Using Spatial-Consistency and Average Regional Information Divergence Minimization via Quantum-Behaved Particle Swarm Optimization. <i>Remote Sensing</i> , 2020 , 12, 3066	5	1
170	Iterative Random Training Sampling Spectral Spatial Classification for Hyperspectral Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 3986-4007	4.7	8
169	3-D Receiver Operating Characteristic Analysis for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 8093-8115	8.1	31
168	Deep 2D Convolutional Neural Network with Deconvolution Layer for Hyperspectral Image Classification. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 149-156	0.2	2
167	Breast Tumor Detection and Classification Using Intravoxel Incoherent Motion Hyperspectral Imaging Techniques. <i>BioMed Research International</i> , 2019 , 2019, 3843295	3	4
166	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 10056-10069	8.1	9
165	Fusion of Various Band Selection Methods for Hyperspectral Imagery. <i>Remote Sensing</i> , 2019 , 11, 2125	5	8
164	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 1866-1881	4.7	45
163	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 8131-8143	8.1	41
162	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 6079-6103	8.1	19
161	Unsupervised Hyperspectral Band Selection Method Based on Low-Rank Representation. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 1053-1061	0.2	
160	Discriminative Feature Learning With Distance Constrained Stacked Sparse Autoencoder for Hyperspectral Target Detection. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 1462-1466	4.1	18
159	A Novel FPGA-Based Architecture for Fast Automatic Target Detection in Hyperspectral Images. <i>Remote Sensing</i> , 2019 , 11, 146	5	7
158	Class Information-Based Band Selection for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 8394-8416	8.1	11
157	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 8290-8303	8.1	28
156	. <i>IEEE Access</i> , 2019 , 7, 124674-124687	3.5	3
155	A compressed sensing approach to hyperspectral classification 2019 ,		2

154	Unsupervised hyperspectral band selection in the compressive sensing domain 2019 ,			1
153	A universal sensing model for compressed hyperspectral image analysis 2019 ,			2
152	Uniform Band Interval Divided Band Selection 2019 ,			1
151	Iterative Random Training Sample Selection for Hyperspectral Image Classification 2019 ,			1
150	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 4728-4745	4-7		12
149	Quality Inspection of Phalaenopsis Hybrids Using Hyperspectral Band Selection Techniques 2019 ,			2
148	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 2057-2074		8.1	28
147	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 14-31		8.1	35
146	Band-Specified Virtual Dimensionality for Band Selection: An Orthogonal Subspace Projection Approach. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 2822-2832		8.1	21
145	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 1095-1117	4-7		32
144	Spectral Inter-Band Discrimination Capacity of Hyperspectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 1749-1766		8.1	9
143	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 1285-1305	4-7		57
142	A Posteriori Hyperspectral Anomaly Detection for Unlabeled Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 3091-3106		8.1	25
141	A Deep Pipelined Implementation of Hyperspectral Target Detection Algorithm on FPGA Using HLS. <i>Remote Sensing</i> , 2018 , 10, 516		5	10
140	A Semantic Feature Extraction Method For Hyperspectral Image Classification Based On Hashing Learning 2018 ,			3
139	A Multilevel Slicing Based Coding Method for Tree Detection 2018 ,			3
138	Iterative Support Vector Machine for Hyperspectral Image Classification 2018 ,			13
137	Band Subset Selection for Hyperspectral Image Classification. <i>Remote Sensing</i> , 2018 , 10, 113		5	14

136	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 4887-4898	8.1	29
135	Adaptive Linear Spectral Mixture Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 1240-1253	8.1	4
134	Progressive Band Processing of Fast Iterative Pixel Purity Index for Finding Endmembers. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 1464-1468	4.1	6
133	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 5093-5114	8.1	49
132	Constrained Band Subset Selection for Hyperspectral Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 2032-2036	4.1	14
131	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 4630-4644	4.7	14
130	Multi-class constrained background suppression approach to hyperspectral image classification 2017 ,		6
129	A Hyperspectral Imaging Approach to White Matter Hyperintensities Detection in Brain Magnetic Resonance Images. <i>Remote Sensing</i> , 2017 , 9, 1174	5	3
128	Constrained multiple band selection for hyperspectral imagery 2016 ,		8
127	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 4280-4306	4.7	33
126	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 5081-5094	8.1	14
125	Recursive Band Processing of Orthogonal Subspace Projection for Hyperspectral Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 3-7	4.1	7
124	Multiple band selection for anomaly detection in hyperspectral imagery 2016 ,		4
123	An information theoretical approach to multiple-band selection for hyperspectral imagery 2016 ,		2
122	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 3780-3793	8.1	8
121	Real-Time Progressive Hyperspectral Image Processing 2016 ,		56
120	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 3055-3072	8.1	12
119	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 3558-3571	4.7	11

118	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 3260-3270	4.7	28
117	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 2583-2597	4.7	8
116	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 1626-1637	8.1	16
115	Pesticide residue detection by hyperspectral imaging sensors 2015 ,		1
114	Anomaly discrimination and classification for hyperspectral imagery 2015 ,		1
113	Linear spectral unmixing using least squares error, orthogonal projection and simplex volume for hyperspectral images 2015 ,		4
112	Progressive endmember finding by fully constrained least squares method 2015 ,		1
111	Classification of Tree Species in Overstorey Canopy of Subtropical Forest Using QuickBird Images. <i>PLoS ONE</i> , 2015 , 10, e0125554	3.7	26
110	Band weighting spectral measurement for detection of pesticide residues using hyperspectral remote sensing 2015 ,		2
109	Magnetic resonance brain tissue classification and volume calculation 2015 , 38, 1055-1066		2
108	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 188-208	8.1	34
107	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2014 , 50, 1511-1534	3.7	39
106	Anomaly detection using sliding causal windows 2014 ,		1
105	Recursive unsupervised fully constrained least squares methods 2014 ,		1
104	Progressive Band Selection of Spectral Unmixing for Hyperspectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 2002-2017	8.1	49
103	Low-rank decomposition-based anomaly detection 2013 ,		27
102	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013 , 6, 644-658	4.7	68
101	2013 ,		237

100	Kernel-Based Linear Spectral Mixture Analysis. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2012 , 9, 129-133	4.3	14
99	Iterative Pixel Purity Index 2012 ,		3
98	Real-time N-finder processing algorithms for hyperspectral imagery. <i>Journal of Real-Time Image Processing</i> , 2012 , 7, 105-129	1.9	12
97	Weighted radial basis function kernels-based support vector machines for multispectral image classification 2012 ,		1
96	A unified theory for target-specified virtual dimensionality of hyperspectral imagery 2012 ,		6
95	Progressive hyperspectral imaging 2012 ,		2
94	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2011 , 4, 591-614	4.7	23
93	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2011 , 4, 545-564	4.7	81
92	Maximum Orthogonal Subspace Projection Approach to Estimating the Number of Spectral Signal Sources in Hyperspectral Imagery. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2011 , 5, 504-520	7.5	46
91	Random N-finder (N-FINDR) endmember extraction algorithms for hyperspectral imagery. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 641-56	8.7	44
90	Progressive dimensionality reduction by transform for hyperspectral imagery. <i>Pattern Recognition</i> , 2011 , 44, 2760-2773	7.7	21
89	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011 , 49, 4123-4137	8.1	41
88	Progressive band selection for satellite hyperspectral data compression and transmission. <i>Journal of Applied Remote Sensing</i> , 2010 , 4, 041770	1.4	4
87	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010 , 48, 1834-1850	8.1	48
86	Applications of Kalman Filtering to Single Hyperspectral Signature Analysis. <i>IEEE Sensors Journal</i> , 2010 , 10, 547-563	4	8
85	Multiparameter Receiver Operating Characteristic Analysis for Signal Detection and Classification. <i>IEEE Sensors Journal</i> , 2010 , 10, 423-442	4	92
84	A Review of Unsupervised Spectral Target Analysis for Hyperspectral Imagery. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010 , 2010,	1.9	36
83	Random Pixel Purity Index. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2010 , 7, 324-328	4.1	29

82	Improved Process for Use of a Simplex Growing Algorithm for Endmember Extraction. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009 , 6, 523-527	4.1	24
81	Real-time processing of simplex growing algorithm 2009 ,		2
80	Virtual dimensionality for hyperspectral imagery. <i>SPIE Newsroom</i> , 2009 ,		7
79	A PYRAMID-BASED BLOCK OF SKEWERS FOR PIXEL PURITY INDEX FOR ENDMEMBER EXTRACTION IN HYPERSPECTRAL IMAGERY. <i>Selected Topics in Electronics and Systems</i> , 2009 , 241-254	0	1
78	Multiple-Window Anomaly Detection for Hyperspectral Imagery 2008 ,		6
77	Semi-Supervised Linear Spectral Unmixing Using a Hierarchical Bayesian Model for Hyperspectral Imagery. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 2684-2695	4.8	125
76	A PYRAMID-BASED BLOCK OF SKEWERS FOR PIXEL PURITY INDEX FOR ENDMEMBER EXTRACTION IN HYPERSPECTRAL IMAGERY. <i>International Journal of High Speed Electronics and Systems</i> , 2008 , 18, 469-482	0.5	1
75	Sequential N-FINDR algorithms 2008 ,		21
74	Kernel-based constrained energy minimization (K-CEM) 2008 ,		14
73	3D combinational curves for accuracy and performance analysis of positive biometrics identification. <i>Optics and Lasers in Engineering</i> , 2008 , 46, 477-490	4.6	10
72	Variable-Number Variable-Band Selection for Feature Characterization in Hyperspectral Signatures. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007 , 45, 2979-2992	8.1	26
71	Variants of Principal Components Analysis 2007 ,		8
70	Weighted abundance-constrained linear spectral mixture analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 378-388	8.1	50
69	Independent component analysis-based dimensionality reduction with applications in hyperspectral image analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 1586-1600	8.1	387
68	Constrained band selection for hyperspectral imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 1575-1585	8.1	311
67	Fisher's linear spectral mixture analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 2292-2304	8.1	15
66	Parallel implementation of endmember extraction algorithms from hyperspectral data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2006 , 3, 334-338	4.1	44
65	A fast iterative algorithm for implementation of pixel purity index. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2006 , 3, 63-67	4.1	179

64	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2006 , 42, 1372-1385	3.7	45
63	Exploration of virtual dimensionality in hyperspectral image analysis 2006 ,		5
62	Hand-held device detects chemical and biological warfare agents. <i>SPIE Newsroom</i> , 2006 ,		3
61	A COMPUTER-AIDED SYSTEM FOR MASS DETECTION AND CLASSIFICATION IN DIGITIZED MAMMOGRAMS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2005 , 17, 215-228	0.6	28
60	3D ROC analysis for detection software used in water monitoring 2005 , 5995, 87		3
59	Orthogonal subspace projection (OSP) revisited: a comprehensive study and analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2005 , 43, 502-518	8.1	169
58	New hyperspectral discrimination measure for spectral characterization. <i>Optical Engineering</i> , 2004 , 43, 1777	1.1	254
57	Linear mixture analysis-based compression for hyperspectral image analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2004 , 42, 875-891	8.1	28
56	Estimation of number of spectrally distinct signal sources in hyperspectral imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2004 , 42, 608-619	8.1	592
55	A signal-decomposed and interference-annihilated approach to hyperspectral target detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2004 , 42, 892-906	8.1	33
54	Estimation of subpixel target size for remotely sensed imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2004 , 42, 1309-1320	8.1	29
53	Detection of spectral signatures in multispectral MR images for classification. <i>IEEE Transactions on Medical Imaging</i> , 2003 , 22, 50-61	11.7	27
52	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2003 , 39, 1232-1249	3.7	263
51	An unsupervised approach to color video thresholding 2003 ,		5
50	A comparative study for orthogonal subspace projection and constrained energy minimization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2003 , 41, 1525-1529	8.1	80
49	Target signature-constrained mixed pixel classification for hyperspectral imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2002 , 40, 1065-1081	8.1	68
48	Anomaly detection and classification for hyperspectral imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2002 , 40, 1314-1325	8.1	308
47	Linear spectral random mixture analysis for hyperspectral imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2002 , 40, 375-392	8.1	69

46	A linear constrained distance-based discriminant analysis for hyperspectral image classification. <i>Pattern Recognition</i> , 2001 , 34, 361-373	7.7	102
45	Real-time processing algorithms for target detection and classification in hyperspectral imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2001 , 39, 760-768	8.1	76
44	A quantitative and comparative analysis of linear and nonlinear spectral mixture models using radial basis function neural networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2001 , 39, 2314-2318	8.1	83
43	An information-theoretic approach to spectral variability, similarity, and discrimination for hyperspectral image analysis. <i>IEEE Transactions on Information Theory</i> , 2000 , 46, 1927-1932	2.8	322
42	An experiment-based quantitative and comparative analysis of target detection and image classification algorithms for hyperspectral imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2000 , 38, 1044-1063	8.1	79
41	Constrained subpixel target detection for remotely sensed imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2000 , 38, 1144-1159	8.1	217
40	A generalized orthogonal subspace projection approach to unsupervised multispectral image classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2000 , 38, 2515-2528	8.1	56
39	Unsupervised hyperspectral image analysis with projection pursuit. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2000 , 38, 2529-2538	8.1	90
38	A Kalman filtering approach to multispectral image classification and detection of changes in signature abundance. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1999 , 37, 257-268	8.1	22
37	An unsupervised vector quantization-based target subspace projection approach to mixed pixel detection and classification in unknown background for remotely sensed imagery. <i>Pattern Recognition</i> , 1999 , 32, 1161-1174	7.7	18
36	An oblique subspace projection approach for mixed pixel classification in hyperspectral images. <i>Pattern Recognition</i> , 1999 , 32, 1399-1408	7.7	10
35	A joint band prioritization and band-decorrelation approach to band selection for hyperspectral image classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1999 , 37, 2631-2641	8.1	375
34	A noise subspace projection approach to target signature detection and extraction in an unknown background for hyperspectral images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1998 , 36, 171-181	8.1	24
33	A fast two-stage classification method for high-dimensional remote sensing data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1998 , 36, 182-191	8.1	27
32	Further results on relationship between spectral unmixing and subspace projection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1998 , 36, 1030-1032	8.1	37
31	An interference rejection approach to noise adjusted principal components transform 1998 ,		1
30	Unsupervised linear unmixing Kalman filtering approach to signature extraction and estimation for remotely sensed imagery 1998 ,		2
29	A posteriori least squares orthogonal subspace projection approach to desired signature extraction and detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1997 , 35, 127-139	8.1	61

28	. <i>IEEE Transactions on Information Theory</i> , 1988 , 34, 1004-1010	2.8	16
27	Maximum Volume Transform for Endmember Spectra Determination179-203		
26	Hyperspectral Data Representation205-225		2
25	Semisupervised Support Vector Machines for Classification of Hyperspectral Remote Sensing Images275-311		8
24	Feature Reduction for Classification Purpose245-274		1
23	Decision Fusion for Hyperspectral Classification313-351		
22	Stochastic Mixture Modeling107-148		11
21	Hyperspectral Imaging Systems17-45		7
20	An Optical Real-Time Adaptive Spectral Identification System (ORASIS)75-106		5
19	Unmixing Hyperspectral Data: Independent and Dependent Component Analysis149-177		0
18	Morphological Hyperspectral Image Classification: A Parallel Processing Perspective353-378		
17	Three-Dimensional Wavelet-Based Compression of Hyperspectral Imagery379-407		52
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