

# Jocelyn Chanussot

## List of Publications by Year in descending order

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262  
papers

26,233  
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7568

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g-index

264  
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264  
docs citations

264  
times ranked

9313  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semisupervised Cross-Scale Graph Prototypical Network for Hyperspectral Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9337-9351.	11.3	30
2	A Triple-Double Convolutional Neural Network for Panchromatic Sharpening. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9088-9101.	11.3	32
3	Learning Tensor Low-Rank Representation for Hyperspectral Anomaly Detection. IEEE Transactions on Cybernetics, 2023, 53, 679-691.	9.5	54
4	Deep Encoder-Decoder Networks for Classification of Hyperspectral and LiDAR Data. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	55
5	Semi-Supervised Mixtures of Factor Analyzers Feature Extraction for Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
6	Using Low-Rank Representation of Abundance Maps and Nonnegative Tensor Factorization for Hyperspectral Nonlinear Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	35
7	Element-Wise Feature Relation Learning Network for Cross-Spectral Image Patch Matching. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3372-3386.	11.3	6
8	PolSAR Image Classification Based on Robust Low-Rank Feature Extraction and Markov Random Field. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	13
9	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.	6.3	10
10	Edge-Conditioned Feature Transform Network for Hyperspectral and Multispectral Image Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	11
11	CyCU-Net: Cycle-Consistency Unmixing Network by Learning Cascaded Autoencoders. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	59
12	Graph Convolutional Sparse Subspace Coclustering With Nonnegative Orthogonal Factorization for Large Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	5
13	Hyperspectral Image Super-Resolution via Deep Spatospectral Attention Convolutional Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7251-7265.	11.3	74
14	Rotation Equivariant Feature Image Pyramid Network for Object Detection in Optical Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	15
15	A Bipartite Graph Partition-Based Coclustering Approach With Graph Nonnegative Matrix Factorization for Large Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	1
16	Unsupervised and Unregistered Hyperspectral Image Super-Resolution With Mutual Dirichlet-Net. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	21
17	Endmember-Guided Unmixing Network (EGU-Net): A General Deep Learning Framework for Self-Supervised Hyperspectral Unmixing. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6518-6531.	11.3	98
18	Total Variation Regularized Weighted Tensor Ring Decomposition for Missing Data Recovery in High-Dimensional Optical Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7

#	ARTICLE	IF	CITATIONS
19	Sparsity-Enhanced Convolutional Decomposition: A Novel Tensor-Based Paradigm for Blind Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	32
20	N-Cluster Loss and Hard Sample Generative Deep Metric Learning for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	1
21	Multipatch Feature Pyramid Network for Weakly Supervised Object Detection in Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	21
22	Local Similarity-Based Spatial-Spectral Fusion Hyperspectral Image Classification With Deep CNN and Gabor Filtering. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	110
23	Modality Translation in Remote Sensing Time Series. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	15
24	Revisiting Deep Hyperspectral Feature Extraction Networks via Gradient Centralized Convolution. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	18
25	Super Resolution Guided Deep Network for Land Cover Classification From Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	19
26	Learning Locality-Constrained Sparse Coding for Spectral Enhancement of Multispectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	0
27	Reconstruction Error-Based Decomposition Feature Selection for PolSAR Image. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	2
28	Hyperspectral Imagery Classification via Random Multigraphs Ensemble Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 641-653.	4.9	8
29	SpectralFormer: Rethinking Hyperspectral Image Classification With Transformers. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	414
30	ArBRPN: A Bidirectional Recurrent Pansharpening Network for Multispectral Images With Arbitrary Numbers of Bands. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	7
31	Hyperspectral Image Classification—Traditional to Deep Models: A Survey for Future Prospects. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 968-999.	4.9	123
32	Convolutional Neural Networks for Multimodal Remote Sensing Data Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	122
33	NonRegSRNet: A Nonrigid Registration Hyperspectral Super-Resolution Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	36
34	CNN-Based Hyperspectral Pansharpening With Arbitrary Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21.	6.3	13
35	MiSiCNet: Minimum Simplex Convolutional Network for Deep Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	30
36	Hyperspectral Image Denoising Using Spectral-Spatial Transform-Based Sparse and Low-Rank Representations. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-25.	6.3	13

#	ARTICLE	IF	CITATIONS
37	Tensor representation for remote sensing images. , 2022, , 483-536.		0
38	SGML: A Symmetric Graph Metric Learning Framework for Efficient Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 609-622.	4.9	7
39	Progress and Challenges in Intelligent Remote Sensing Satellite Systems. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1814-1822.	4.9	102
40	Optical Remote Sensing Image Understanding With Weak Supervision: Concepts, methods, and perspectives. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 250-269.	9.6	24
41	Siamese Transformer Network for Hyperspectral Image Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	46
42	Multimodal Hyperspectral Unmixing: Insights From Attention Networks. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	38
43	Graph Learning Based on Signal Smoothness Representation for Homogeneous and Heterogeneous Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	11
44	Hyperspectral Anomaly Detection Using Deep Learning: A Review. Remote Sensing, 2022, 14, 1973.	4.0	36
45	A Quadratic Morphological Deep Neural Network Fusing Radar and Optical Data for the Mapping of Burned Areas. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4194-4216.	4.9	5
46	Multigraph-Based Low-Rank Tensor Approximation for Hyperspectral Image Restoration. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	7
47	Hyperspectral and LiDAR Data Classification Using Joint CNNs and Morphological Feature Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	19
48	Burnt-Net: Wildfire burned area mapping with single post-fire Sentinel-2 data and deep learning morphological neural network. Ecological Indicators, 2022, 140, 108999.	6.3	21
49	An Optimization Procedure for Robust Regression-Based Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	3
50	Full-Resolution Quality Assessment of Pansharpening: Theoretical and hands-on approaches. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 168-201.	9.6	26
51	Cluster-Memory Augmented Deep Autoencoder via Optimal Transportation for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	8
52	Variable Subpixel Convolution Based Arbitrary-Resolution Hyperspectral Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	6
53	AutoNAS: Automatic Neural Architecture Search for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	24
54	PolSAR Scene Classification via Low-Rank Constrained Multimodal Tensor Representation. Remote Sensing, 2022, 14, 3117.	4.0	0

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55	A dual-stream high resolution network: Deep fusion of GF-2 and GF-3 data for land cover classification. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102896.	1.9	3
56	Joint and Progressive Subspace Analysis (JPSA) With Spatial Spectral Manifold Alignment for Semisupervised Hyperspectral Dimensionality Reduction. IEEE Transactions on Cybernetics, 2021, 51, 3602-3615.	9.5	71
57	Hyperspectral Computational Imaging via Collaborative Tucker3 Tensor Decomposition. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 98-111.	8.3	27
58	Hyperspectral Image Mixed Noise Removal Based on Multidirectional Low-Rank Modeling and Spatial Spectral Total Variation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 488-507.	6.3	33
59	Hyperspectral Sharpening Approaches Using Satellite Multiplatform Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 578-596.	6.3	10
60	Coupled Convolutional Neural Network With Adaptive Response Function Learning for Unsupervised Hyperspectral Super Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2487-2502.	6.3	103
61	Spectral Superresolution of Multispectral Imagery With Joint Sparse and Low-Rank Learning. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2269-2280.	6.3	114
62	Semisupervised charting for spectral multimodal manifold learning and alignment. Pattern Recognition, 2021, 111, 107645.	8.1	14
63	A Graph-Based Approach for Data Fusion and Segmentation of Multimodal Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4419-4429.	6.3	10
64	Blind Hyperspectral Unmixing Based on Graph Total Variation Regularization. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3338-3351.	6.3	18
65	Graph-Induced Aligned Learning on Subspaces for Hyperspectral and Multispectral Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4407-4418.	6.3	6
66	Deep Half-Siamese Networks for Hyperspectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1996-2000.	3.1	33
67	Graph Relation Network: Modeling Relations Between Scenes for Multilabel Remote-Sensing Image Classification and Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4355-4369.	6.3	52
68	Capacity and Limits of Multimodal Remote Sensing: Theoretical Aspects and Automatic Information Theory-Based Image Selection. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5598-5618.	6.3	4
69	Graph Convolutional Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5966-5978.	6.3	974
70	Keypoint-Based Local Descriptors for Target Recognition in SAR Images: A Comparative Analysis. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 139-166.	9.6	8
71	More Diverse Means Better: Multimodal Deep Learning Meets Remote-Sensing Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4340-4354.	6.3	781
72	An Introduction to Deep Morphological Networks. IEEE Access, 2021, 9, 114308-114324.	4.2	14

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73	Multimodal hyperspectral remote sensing: an overview and perspective. Science China Information Sciences, 2021, 64, 1.	4.3	47
74	Multi-Relation Attention Network for Image Patch Matching. IEEE Transactions on Image Processing, 2021, 30, 7127-7142.	9.8	16
75	Analysis of the Chemical and Physical Environmental Aspects that Promoted the Spread of SARS-CoV-2 in the Lombard Area. International Journal of Environmental Research and Public Health, 2021, 18, 1226.	2.6	18
76	2021 Data Fusion Contest: Geospatial Artificial Intelligence for Social Good [Technical Committees]. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 287-C3.	9.6	12
77	A New Benchmark Based on Recent Advances in Multispectral Pansharpening: Revisiting Pansharpening With Classical and Emerging Pansharpening Methods. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 53-81.	9.6	175
78	Tensor Low-Rank Constraint and $L_0$ Total Variation for Hyperspectral Image Mixed Noise Removal. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 718-733.	10.8	28
79	Spectral unmixing for exoplanet direct detection in hyperspectral data. Astronomy and Astrophysics, 2021, 649, A143.	5.1	2
80	Multimodal GANs: Toward Crossmodal Hyperspectral-Multispectral Image Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5103-5113.	6.3	71
81	Interpretable Hyperspectral Artificial Intelligence: When nonconvex modeling meets hyperspectral remote sensing. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 52-87.	9.6	157
82	An attention-fused network for semantic segmentation of very-high-resolution remote sensing imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 177, 238-262.	11.1	81
83	Detail Injection-Based Deep Convolutional Neural Networks for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6995-7010.	6.3	131
84	Multimodal remote sensing benchmark datasets for land cover classification with a shared and specific feature learning model. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 178, 68-80.	11.1	128
85	Hyperspectral Restoration and Fusion With Multispectral Imagery via Low-Rank Tensor-Approximation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7817-7830.	6.3	34
86	Hybrid Total Variation Regularization and its Applications on Hyperspectral Image Mixed Noise Removal and Compressed Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7695-7710.	6.3	46
87	Geometric Multimodal Learning Based on Local Signal Expansion for Joint Diagonalization. IEEE Transactions on Signal Processing, 2021, 69, 1271-1286.	5.3	4
88	A Mutual Information-Based Self-Supervised Learning Model for PolSAR Land Cover Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9224-9237.	6.3	26
89	Spectral Variability in Hyperspectral Data Unmixing: A comprehensive review. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 223-270.	9.6	92
90	Non-Local Means Low-Rank Approximation for Hyperspectral Denoising. , 2021, , .		0

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91	An Overview of Multimodal Remote Sensing Data Fusion: From Image to Feature, From Shallow to Deep. , 2021, , .		6
92	Multimodal Convolutional Neural Networks with Cross-Channel Reconstruction. , 2021, , .		0
93	EvoNAS: Evolvable Neural Architecture Search for Hyperspectral Unmixing. , 2021, , .		2
94	Transferable Deep Learning from Time Series of Landsat Data for National Land-Cover Mapping with Noisy Labels: A Case Study of China. Remote Sensing, 2021, 13, 4194.	4.0	5
95	The Outcome of the 2021 IEEE GRSS Data Fusion Contest - Track DSE: Detection of Settlements Without Electricity. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12375-12385.	4.9	8
96	DSMNN-Net: A Deep Siamese Morphological Neural Network Model for Burned Area Mapping Using Multispectral Sentinel-2 and Hyperspectral PRISMA Images. Remote Sensing, 2021, 13, 5138.	4.0	19
97	Report on the 2021 IEEE GRSS Data Fusion Contestâ€”Geospatial Artificial Intelligence for Social Good [Technical Committees]. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 274-277.	9.6	0
98	Nonlocal Coupled Tensor CP Decomposition for Hyperspectral and Multispectral Image Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 348-362.	6.3	98
99	Fourier-Based Rotation-Invariant Feature Boosting: An Efficient Framework for Geospatial Object Detection. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 302-306.	3.1	110
100	A Pansharpening Approach Based on Multiple Linear Regression Estimation of Injection Coefficients. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 102-106.	3.1	24
101	Global Spatial and Local Spectral Similarity-Based Manifold Learning Group Sparse Representation for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3043-3056.	6.3	52
102	Hyperspectral Images Super-Resolution via Learning High-Order Coupled Tensor Ring Representation. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4747-4760.	11.3	79
103	Towards perceptual image fusion: A novel two-layer framework. Information Fusion, 2020, 57, 102-114.	19.1	13
104	Applications in remote sensingâ€”natural landscapes. Data Handling in Science and Technology, 2020, 32, 371-410.	3.1	1
105	Spectral Unmixing: A Derivation of the Extended Linear Mixing Model From the Hapke Model. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1866-1870.	3.1	19
106	X-ModalNet: A semi-supervised deep cross-modal network for classification of remote sensing data. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 12-23.	11.1	163
107	A Data-Driven Model-Based Regression Applied to Panchromatic Sharpening. IEEE Transactions on Image Processing, 2020, 29, 7779-7794.	9.8	16
108	Non-Linear Spectral Unmixing for the Estimation of the Distribution of Graphene Oxide Deposition on 3D Printed Composites. Applied Sciences (Switzerland), 2020, 10, 7792.	2.5	2



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109	Individual Tree Segmentation Based on Mean Shift and Crown Shape Model for Temperate Forest. IEEE Geoscience and Remote Sensing Letters, 2020, , 1-5.	3.1	4
110	Toward Super-Resolution Image Construction Based on Joint Tensor Decomposition. Remote Sensing, 2020, 12, 2535.	4.0	3
111	A Two-Stream Multiscale Deep Learning Architecture for Pan-Sharpener. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5455-5465.	4.9	17
112	Graph-Based Data Fusion Applied to: Change Detection and Biomass Estimation in Rice Crops. Remote Sensing, 2020, 12, 2683.	4.0	29
113	Spectral-Fidelity Convolutional Neural Networks for Hyperspectral Pansharpening. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5898-5914.	4.9	32
114	Feature Extraction for Hyperspectral Imagery: The Evolution From Shallow to Deep: Overview and Toolbox. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 60-88.	9.6	373
115	Variability of the endmembers in spectral unmixing. Data Handling in Science and Technology, 2020, , 167-203.	3.1	6
116	Online Structured Sparsity-Based Moving-Object Detection From Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6420-6433.	6.3	16
117	Pansharpening: Context-Based Generalized Laplacian Pyramids by Robust Regression. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6152-6167.	6.3	61
118	Modified Tensor Distance-Based Multiview Spectral Embedding for PolSAR Land Cover Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 2095-2099.	3.1	10
119	Spectral Variability Aware Blind Hyperspectral Image Unmixing Based on Convex Geometry. IEEE Transactions on Image Processing, 2020, 29, 4568-4582.	9.8	24
120	CNN-Based Super-Resolution of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6106-6121.	6.3	52
121	Learning-Shared Cross-Modality Representation Using Multispectral-LiDAR and Hyperspectral Data. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1470-1474.	3.1	41
122	PolSAR Feature Extraction Via Tensor Embedding Framework for Land Cover Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2337-2351.	6.3	15
123	Invariant Attribute Profiles: A Spatial-Frequency Joint Feature Extractor for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3791-3808.	6.3	228
124	Fusion of short-wave infrared and visible near-infrared WorldView-3 data. Information Fusion, 2020, 61, 71-83.	19.1	17
125	Unsupervised and Supervised Feature Extraction Methods for Hyperspectral Images Based on Mixtures of Factor Analyzers. Remote Sensing, 2020, 12, 1179.	4.0	9
126	Cross-Attention in Coupled Unmixing Nets for Unsupervised Hyperspectral Super-Resolution. Lecture Notes in Computer Science, 2020, , 208-224.	1.3	79



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127	Hyperspectral Pansharpening Using Deep Prior and Dual Attention Residual Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8059-8076.	6.3	77
128	Local Spatial-Spectral Correlation Based Mixtures of Factor Analyzers for Hyperspectral Denoising. , 2020, , .		2
129	Locally Linear Reconstruction for Spectral Enhancement Using Limited Pixel-to-Pixel Multispectral and Hyperspectral Data. , 2020, , .		2
130	Unsupervised Hyperspectral Embedding by Learning a Deep Regression Network. , 2020, , .		2
131	Hyperspectral Images Denoising Based on Mixtures of Factor Analyzers. , 2020, , .		1
132	Pansharpening Based on Deconvolution for Multiband Filter Estimation. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 540-553.	6.3	47
133	Target recognition in SAR images via sparse representation in the frequency domain. Pattern Recognition, 2019, 96, 106972.	8.1	15
134	Hyperspectral Anomaly Detection via Global and Local Joint Modeling of Background. IEEE Transactions on Signal Processing, 2019, 67, 3858-3869.	5.3	66
135	HyperPNN: Hyperspectral Pansharpening via Spectrally Predictive Convolutional Neural Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3092-3100.	4.9	67
136	An Improved Stationarity Test Based on Surrogates. IEEE Signal Processing Letters, 2019, 26, 1431-1435.	3.6	2
137	Superresolution Land Cover Mapping Based on Pixel-, Subpixel-, and Superpixel-Scale Spatial Dependence With Pansharpening Technique. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4082-4098.	4.9	13
138	Learning to propagate labels on graphs: An iterative multitask regression framework for semi-supervised hyperspectral dimensionality reduction. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 158, 35-49.	11.1	124
139	Hyperspectral Image Unmixing With Endmember Bundles and Group Sparsity Inducing Mixed Norms. IEEE Transactions on Image Processing, 2019, 28, 3435-3450.	9.8	68
140	Assessment of Hyperspectral Sharpening Methods for the Monitoring of Natural Areas Using Multiplatform Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8208-8222.	6.3	15
141	Dynamic Multicontext Segmentation of Remote Sensing Images Based on Convolutional Networks. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7503-7520.	6.3	102
142	Braids of partitions for the hierarchical representation and segmentation of multimodal images. Pattern Recognition, 2019, 95, 162-172.	8.1	11
143	<i>StfNet</i>: A Two-Stream Convolutional Neural Network for Spatiotemporal Image Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6552-6564.	6.3	134
144	CoSpace: Common Subspace Learning From Hyperspectral-Multispectral Correspondences. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4349-4359.	6.3	180

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145	Hyperspectral Classification Through Unmixing Abundance Maps Addressing Spectral Variability. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4775-4788.	6.3	28
146	ORSIm Detector: A Novel Object Detection Framework in Optical Remote Sensing Imagery Using Spatial-Frequency Channel Features. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5146-5158.	6.3	181
147	Pansharpening via Detail Injection Based Convolutional Neural Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1188-1204.	4.9	131
148	Mixtures of Factor Analyzers and Deep Mixtures of Factor Analyzers Dimensionality Reduction Algorithms For Hyperspectral Images Classification. , 2019, , .		3
149	LiDAR Data-Aided Hypergraph Regularized Multi-Modal Unmixing. , 2019, , .		2
150	Mixed Noise Reduction in Hyperspectral Imagery. , 2019, , .		1
151	$L_{0}$ Gradient Regularized Low-Rank Tensor Model for Hyperspectral Image Denoising. , 2019, , .		6
152	WU-Net: A Weakly-Supervised Unmixing Network for Remotely Sensed Hyperspectral Imagery. , 2019, , .		16
153	Fast Blind Hyperspectral Unmixing Based On Graph Laplacian. , 2019, , .		6
154	Multimodal-Temporal Fusion: Blending Multimodal Remote Sensing Images to Generate Image Series With High Temporal Resolution. , 2019, , .		4
155	Conditional Random Field and Deep Feature Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1612-1628.	6.3	49
156	Scene Classification With Recurrent Attention of VHR Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1155-1167.	6.3	437
157	Soft-Then-Hard Super-Resolution Mapping Based on Pansharpening Technique for Remote Sensing Image. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 334-344.	4.9	17
158	A Combiner-Based Full Resolution Quality Assessment Index for Pansharpening. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 437-441.	3.1	14
159	An Augmented Linear Mixing Model to Address Spectral Variability for Hyperspectral Unmixing. IEEE Transactions on Image Processing, 2019, 28, 1923-1938.	9.8	643
160	Nonlocal Patch Tensor Sparse Representation for Hyperspectral Image Super-Resolution. IEEE Transactions on Image Processing, 2019, 28, 3034-3047.	9.8	154
161	Snow Cover Estimation From Image Time Series Based on Spectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 337-341.	3.1	1
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