

# Jon Atli Benediktsson

## List of Publications by Year in descending order

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453  
papers

34,534  
citations

3933

88  
h-index

4015

176  
g-index

462  
all docs

462  
docs citations

462  
times ranked

14895  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Landslide Inventory Mapping Approach Based on Change Detection Technique With Very-High-Resolution Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
2	BS-McL: Bilevel Segmentation Framework With Metacognitive Learning for Detection of the Power Lines in UAV Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	8
3	Training Samples Enriching Approach for Classification Improvement of VHR Remote Sensing Image. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
4	Land Cover Change Detection Techniques: Very-high-resolution optical images: A review. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 44-63.	9.6	101
5	Novel Automatic Approach for Land Cover Change Detection by Using VHR Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
6	Asymmetric Hash Code Learning for Remote Sensing Image Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	22
7	Object-Based Sorted-Histogram Similarity Measurement for Detecting Land Cover Change With VHR Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	9
8	Simple Multiscale UNet for Change Detection With Heterogeneous Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	38
9	Predicting Classification Performance for Benchmark Hyperspectral Datasets. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4180-4193.	4.9	1
10	A General Spline-Based Method for Centerline Extraction from Different Segmented Road Maps in Remote Sensing Imagery. Remote Sensing, 2022, 14, 2074.	4.0	1
11	A Pan-Sharpener Method with Beta-Divergence Non-Negative Matrix Factorization in Non-Subsampled Shear Transform Domain. Remote Sensing, 2022, 14, 2921.	4.0	6
12	Scheduling-Guided Automatic Processing of Massive Hyperspectral Image Classification on Cloud Computing Architectures. IEEE Transactions on Cybernetics, 2021, 51, 3588-3601.	9.5	54
13	Iterative Training Sample Expansion to Increase and Balance the Accuracy of Land Classification From VHR Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 139-150.	6.3	57
14	Local Histogram-Based Analysis for Detecting Land Cover Change Using VHR Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1284-1287.	3.1	24
15	Change Detection From Very-High-Spatial-Resolution Optical Remote Sensing Images: Methods, applications, and future directions. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 68-101.	9.6	85
16	Deep Hashing Learning for Visual and Semantic Retrieval of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9661-9672.	6.3	43
17	Diagnostic Analysis on Change Vector Analysis Methods for LCCD Using Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10199-10212.	4.9	11
18	Adaptive region-based post-classification framework for land-cover mapping improvement using very high spatial resolution optical imagery. Journal of Applied Remote Sensing, 2021, 15, .	1.3	1

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19	A novel optimal multi-pattern matching method with wildcards for DNA sequence. <i>Technology and Health Care</i> , 2021, 29, 115-124.	1.2	2
20	Distributed Computing for Remotely Sensed Data Processing [Scanning the Section]. <i>Proceedings of the IEEE</i> , 2021, 109, 1278-1281.	21.3	1
21	Functional Feature Extraction for Hyperspectral Image Classification With Adaptive Rational Function Approximation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 7680-7694.	6.3	5
22	A Multispectral and Multiangle 3-D Convolutional Neural Network for the Classification of ZY-3 Satellite Images Over Urban Areas. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 10266-10285.	6.3	12
23	Practice and Experience in Using Parallel and Scalable Machine Learning in Remote Sensing from HPC Over Cloud to Quantum Computing. , 2021, , .		8
24	Supervised Functional Data Discriminant Analysis for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 841-851.	6.3	11
25	Hyperspectral Mixed Gaussian and Sparse Noise Reduction. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 474-478.	3.1	33
26	Lunar impact crater identification and age estimation with Changâ€™E data by deep and transfer learning. <i>Nature Communications</i> , 2020, 11, 6358.	12.8	79
27	Object-Oriented Key Point Vector Distance for Binary Land Cover Change Detection Using VHR Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 6524-6533.	6.3	38
28	Feature Extraction for Hyperspectral Imagery: The Evolution From Shallow to Deep: Overview and Toolbox. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2020, 8, 60-88.	9.6	373
29	An Object-Oriented Color Visualization Method with Controllable Separation for Hyperspectral Imagery. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3581.	2.5	3
30	Deep TEC: Deep Transfer Learning with Ensemble Classifier for Road Extraction from UAV Imagery. <i>Remote Sensing</i> , 2020, 12, 245.	4.0	42
31	Spatially Enhanced Spectral Unmixing Through Data Fusion of Spectral and Visible Images from Different Sensors. <i>Remote Sensing</i> , 2020, 12, 1255.	4.0	8
32	Landslide Inventory Mapping With Bitemporal Aerial Remote Sensing Images Based on the Dual-Path Fully Convolutional Network. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 4575-4584.	4.9	27
33	HYPERSPECTRAL AND SPATIALLY ADAPTIVE UNMIXING FOR AN ANALYTICAL RECONSTRUCTION OF FRACTION SURFACES FROM DATA WITH CORRUPTED PIXELS. , 2020, , 209-230.		0
34	Metrological hyperspectral image analysis through spectral differences. , 2020, , 319-340.		0
35	Nomination-favoured opinion pool for optical-SAR-synergistic rice mapping in face of weakened flooding signals. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 155, 187-205.	11.1	26
36	Novel Adaptive Histogram Trend Similarity Approach for Land Cover Change Detection by Using Bitemporal Very-High-Resolution Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 9554-9574.	6.3	63

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37	Fusion of Multiple Edge-Preserving Operations for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 10336-10349.	6.3	92
38	Vegetation Cover Estimation Using Convolutional Neural Networks. IEEE Access, 2019, 7, 132563-132576.	4.2	14
39	Novel Land Cover Change Detection Method Based on k-Means Clustering and Adaptive Majority Voting Using Bitemporal Remote Sensing Images. IEEE Access, 2019, 7, 34425-34437.	4.2	79
40	Deep Convolutional Capsule Network for Hyperspectral Image Spectral and Spectral-Spatial Classification. Remote Sensing, 2019, 11, 223.	4.0	77
41	FPA clust: evaluation of the flower pollination algorithm for data clustering. Evolutionary Intelligence, 2019, 14, 1189.	3.6	6
42	Spatial Density Peak Clustering for Hyperspectral Image Classification With Noisy Labels. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5085-5097.	6.3	71
43	Automatic Design of Convolutional Neural Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7048-7066.	6.3	145
44	Deep Learning for Hyperspectral Image Classification: An Overview. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6690-6709.	6.3	977
45	Multisource and Multitemporal Data Fusion in Remote Sensing: A Comprehensive Review of the State of the Art. IEEE Geoscience and Remote Sensing Magazine, 2019, 7, 6-39.	9.6	302
46	A Novel Unsupervised Sample Collection Method for Urban Land-Cover Mapping Using Landsat Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3933-3951.	6.3	15
47	A Semi-Supervised Approach Towards Land Cover Mapping with Sentinel-2 Desnse Time-Series Imagery. , 2019, , .		0
48	A Class-Oriented Visualization Method for Hyperspectral Imagery. , 2019, , .		0
49	Novel Multi-Scale Filter Profile-Based Framework for VHR Remote Sensing Image Classification. Remote Sensing, 2019, 11, 2153.	4.0	4
50	Remote Sensing Big Data Classification with High Performance Distributed Deep Learning. Remote Sensing, 2019, 11, 3056.	4.0	25
51	Remotely sensed big data: evolution in model development for information extraction [point of view]. Proceedings of the IEEE, 2019, 107, 2294-2301.	21.3	60
52	Hyperspectral Image Classification With Squeeze Multibias Network. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1291-1301.	6.3	79
53	Hierarchical clustering approaches for flood assessment using multi-sensor satellite images. International Journal of Image and Data Fusion, 2019, 10, 28-44.	1.7	6
54	Feature extraction from hyperspectral images using learned edge structures. Remote Sensing Letters, 2019, 10, 244-253.	1.4	9

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55	Multisensor Composite Kernels Based on Extreme Learning Machines. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 196-200.	3.1	14
56	Supervised classification methods in hyperspectral imaging—recent advances. Data Handling in Science and Technology, 2019, 32, 247-279.	3.1	5
57	Training sample refining method using an adaptive neighbor to improve the classification performance of very high-spatial resolution remote sensing images. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	5
58	Landslide Inventory Mapping From Bitemporal High-Resolution Remote Sensing Images Using Change Detection and Multiscale Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1520-1532.	4.9	87
59	Contextual Online Dictionary Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1336-1347.	6.3	22
60	Extinction Profiles Fusion for Hyperspectral Images Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1803-1815.	6.3	104
61	Hyperspectral Image Denoising With Group Sparse and Low-Rank Tensor Decomposition. IEEE Access, 2018, 6, 1380-1390.	4.2	38
62	Hekla Volcano, Iceland, in the 20th Century: Lava Volumes, Production Rates, and Effusion Rates. Geophysical Research Letters, 2018, 45, 1805-1813.	4.0	19
63	Detection and Correction of Mislabeled Training Samples for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5673-5686.	6.3	75
64	Generative Adversarial Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5046-5063.	6.3	497
65	Mapping Urban Areas in China Using Multisource Data With a Novel Ensemble SVM Method. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4258-4273.	6.3	40
66	A modified mean filter for improving the classification performance of very high-resolution remote-sensing imagery. International Journal of Remote Sensing, 2018, 39, 770-785.	2.9	21
67	Joint bilateral filtering and spectral similarity-based sparse representation: A generic framework for effective feature extraction and data classification in hyperspectral imaging. Pattern Recognition, 2018, 77, 316-328.	8.1	59
68	Extended Random Walker for Shadow Detection in Very High Resolution Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 867-876.	6.3	55
69	Classification of Multi-Spectral Satellite Image Using Hierarchical Clustering Algorithms. , 2018, , .		0
70	Multi-Scale Object Histogram Distance for LCCD Using Bi-Temporal Very-High-Resolution Remote Sensing Images. Remote Sensing, 2018, 10, 1809.	4.0	16
71	Multi-Scale Structure Extraction for Hyperspectral Image Classification. , 2018, , .		1
72	New Frontiers in Spectral-Spatial Hyperspectral Image Classification: The Latest Advances Based on Mathematical Morphology, Markov Random Fields, Segmentation, Sparse Representation, and Deep Learning. IEEE Geoscience and Remote Sensing Magazine, 2018, 6, 10-43.	9.6	255

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73	Of mosses and men: Plant succession, soil development and soil carbon accretion in the sub-Arctic volcanic landscape of Hekla, Iceland. <i>Progress in Physical Geography</i> , 2018, 42, 765-791.	3.2	3
74	Refining Land Cover Classification Maps Based on Dual-Adaptive Majority Voting Strategy for Very High Resolution Remote Sensing Images. <i>Remote Sensing</i> , 2018, 10, 1238.	4.0	21
75	Post-Processing Approach for Refining Raw Land Cover Change Detection of Very High-Resolution Remote Sensing Images. <i>Remote Sensing</i> , 2018, 10, 472.	4.0	46
76	Land Cover Change Detection Based on Adaptive Contextual Information Using Bi-Temporal Remote Sensing Images. <i>Remote Sensing</i> , 2018, 10, 901.	4.0	20
77	Decolorization-Based Hyperspectral Image Visualization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 4346-4360.	6.3	44
78	Sparse Representation-Based Augmented Multinomial Logistic Extreme Learning Machine With Weighted Composite Features for Spectral Spatial Classification of Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 6263-6279.	6.3	32
79	Gaussian Pyramid Based Multiscale Feature Fusion for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 3312-3324.	4.9	56
80	Simultaneous and Constrained Calibration of Multiple Hyperspectral Images Through a New Generalized Empirical Line Model. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 2047-2058.	4.9	5
81	Interactive multi-image colour visualization for hyperspectral imagery. <i>International Journal of Remote Sensing</i> , 2017, 38, 1062-1082.	2.9	4
82	Oil Spill Detection via Multitemporal Optical Remote Sensing Images: A Change Detection Perspective. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 324-328.	3.1	45
83	Automatic Attribute Profiles. <i>IEEE Transactions on Image Processing</i> , 2017, 26, 1859-1872.	9.8	35
84	From Subpixel to Superpixel: A Novel Fusion Framework for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 4398-4411.	6.3	71
85	A Stepwise Analytical Projected Gradient Descent Search for Hyperspectral Unmixing and Its Code Vectorization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 4925-4943.	6.3	22
86	Developing a general post-classification framework for land-cover mapping improvement using high-spatial-resolution remote sensing imagery. <i>Remote Sensing Letters</i> , 2017, 8, 607-616.	1.4	10
87	Hyperspectral Image Classification via Multiple-Feature-Based Adaptive Sparse Representation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 1646-1657.	4.7	147
88	Automatic selection of molecular descriptors using random forest: Application to drug discovery. <i>Expert Systems With Applications</i> , 2017, 72, 151-159.	7.6	96
89	PCA-Based Edge-Preserving Features for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 7140-7151.	6.3	273
90	Spatial Technology and Social Media in Remote Sensing: A Survey. <i>Proceedings of the IEEE</i> , 2017, 105, 1855-1864.	21.3	27

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91	Multiple Kernel Learning for Hyperspectral Image Classification: A Review. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6547-6565.	6.3	194
92	A Novel Methodology to Label Urban Remote Sensing Images Based on Location-Based Social Media Photos. Proceedings of the IEEE, 2017, 105, 1926-1936.	21.3	23
93	Hyperspectral Anomaly Detection With Attribute and Edge-Preserving Filters. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5600-5611.	6.3	291
94	Effective Denoising and Classification of Hyperspectral Images Using Curvelet Transform and Singular Spectrum Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 119-133.	6.3	102
95	Adaptive Spectral-Spatial Compression of Hyperspectral Image With Sparse Representation. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 671-682.	6.3	51
96	Hyperspectral Image Classification Using Principal Components-Based Smooth Ordering and Multiple 1-D Interpolation. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1199-1209.	6.3	27
97	Random-Walker-Based Collaborative Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 212-222.	6.3	58
98	Spatial technology and social media in remote sensing: challenges and opportunities [point of view]. Proceedings of the IEEE, 2017, 105, 1583-1585.	21.3	5
99	Tree-based supervised feature extraction method based on self-dual attribute profiles. , 2017, , .		0
100	Spatial Technology and Social Media [Scanning the Issue]. Proceedings of the IEEE, 2017, 105, 1851-1854.	21.3	1
101	Semi-Automatic System for Land Cover Change Detection Using Bi-Temporal Remote Sensing Images. Remote Sensing, 2017, 9, 1112.	4.0	21
102	Iterative clustering based active learning for hyperspectral image classification. , 2017, , .		4
103	Hyperspectral images classification by fusing extinction profiles feature. , 2017, , .		4
104	Simultaneous empirical line calibration of multiple spectral images. , 2017, , .		3
105	Spectral-spatial online dictionary learning for hyperspectral image classification. , 2017, , .		2
106	Multiple composite kernel learning for hyperspectral image classification. , 2017, , .		4
107	Hyperspectral image classification: A benchmark. , 2017, , .		5
108	Automatic Object-Oriented, Spectral-Spatial Feature Extraction Driven by Tobler's First Law of Geography for Very High Resolution Aerial Imagery Classification. Remote Sensing, 2017, 9, 285.	4.0	29

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109	Hyperspectral Image Classification With Rotation Random Forest Via KPCA. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1601-1609.	4.9	93
110	Spectral-Spatial Hyperspectral Image Classification Using Subspace-Based Support Vector Machines and Adaptive Markov Random Fields. Remote Sensing, 2016, 8, 355.	4.0	69
111	A Generalized Image Scene Decomposition-Based System for Supervised Classification of Very High Resolution Remote Sensing Imagery. Remote Sensing, 2016, 8, 814.	4.0	10
112	Novel Object-Based Filter for Improving Land-Cover Classification of Aerial Imagery with Very High Spatial Resolution. Remote Sensing, 2016, 8, 1023.	4.0	15
113	Extinction profiles: A novel approach for the analysis of remote sensing data. , 2016, , .		3
114	Computational Efficiency Active Learning for classification of hyperspectral images. , 2016, , .		1
115	Unsupervised change detection analysis to multi-channel scenario based on morphological contextual analysis. , 2016, , .		7
116	A toolbox for unsupervised change detection analysis. International Journal of Remote Sensing, 2016, 37, 1505-1526.	2.9	20
117	Generalized Differential Morphological Profiles for Remote Sensing Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1736-1751.	4.9	39
118	Hyperspectral Data Classification Using Extended Extinction Profiles. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1641-1645.	3.1	61
119	Spatialâ€“Spectral Hyperspectral Image Classification Using Random Multiscale Representation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4129-4141.	4.9	8
120	Region-based classification of remote sensing images with the morphological tree of shapes. , 2016, , .		3
121	Extinction Profiles for the Classification of Remote Sensing Data. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5631-5645.	6.3	122
122	Probabilistic Fusion of Pixel-Level and Superpixel-Level Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7416-7430.	6.3	71
123	Big Data for Remote Sensing: Challenges and Opportunities. Proceedings of the IEEE, 2016, 104, 2207-2219.	21.3	351
124	Set-to-Set Distance-Based Spectralâ€“Spatial Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7122-7134.	6.3	52
125	Class-Specific Sparse Multiple Kernel Learning for Spectralâ€“Spatial Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7351-7365.	6.3	60
126	Big Data: Practical Applications [Scanning the Issue]. Proceedings of the IEEE, 2016, 104, 2082-2084.	21.3	2



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127	Remote Sensing Image Classification Using Attribute Filters Defined Over the Tree of Shapes. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3899-3911.	6.3	25
128	MTF-Based Deblurring Using a Wiener Filter for CS and MRA Pansharpening Methods. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2255-2269.	4.9	46
129	ANALYZING REMOTE SENSING IMAGES WITH HIERARCHIAL MORPHOLOGICAL REPRESENTATIONS. , 2016, , 313-330.		0
130	Nonlinear Multiple Kernel Learning With Multiple-Structure-Element Extended Morphological Profiles for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3235-3247.	6.3	203
131	One-Class Oriented Feature Selection and Classification of Heterogeneous Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1606-1612.	4.9	36
132	Support Tensor Machines for Classification of Hyperspectral Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3248-3264.	6.3	131
133	A novel semi-supervised learning framework for hyperspectral image classification. International Journal of Wavelets, Multiresolution and Information Processing, 2016, 14, 1640005.	1.3	8
134	Class-Separation-Based Rotation Forest for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 584-588.	3.1	20
135	A Novel Approach for Multispectral Satellite Image Classification Based on the Bat Algorithm. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 599-603.	3.1	88
136	SAR Image Despeckling Via Structural Sparse Representation. Sensing and Imaging, 2016, 17, 1.	1.5	27
137	Spectral- Spatial Adaptive Sparse Representation for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 373-385.	6.3	119
138	Hyperspectral Image Classification Via Shape-Adaptive Joint Sparse Representation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 556-567.	4.9	108
139	A Novel Automatic Change Detection Method for Urban High-Resolution Remotely Sensed Imagery Based on Multiindex Scene Representation. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 609-625.	6.3	77
140	Quantitative Quality Evaluation of Pansharpened Imagery: Consistency Versus Synthesis. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1247-1259.	6.3	70
141	A novel hierarchical clustering technique based on splitting and merging. International Journal of Image and Data Fusion, 2016, 7, 19-41.	1.7	16
142	An advanced classifier for the joint use of LiDAR and hyperspectral data: Case study in Queensland, Australia. , 2015, , .		0
143	On Scalable Data Mining Techniques for Earth Science. Procedia Computer Science, 2015, 51, 2188-2197.	2.0	6
144	Enabling intelligent copernicus services for carbon and water balance modeling of boreal forest ecosystems &#x2014; North state. , 2015, , .		2

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145	Foreword to the Special Issue on Big Data in Remote Sensing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4607-4609.	4.9	2
146	High resolution visible image completion of urban region using corresponding hyperspectral image. , 2015, , .		0
147	An interactive color visualization method with multi-image fusion for hyperspectral imagery. , 2015, , .		4
148	Scalable developments for big data analytics in remote sensing. , 2015, , .		6
149	Automatic morphological attribute profiles. , 2015, , .		1
150	Intrinsic Image Decomposition for Feature Extraction of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2241-2253.	6.3	148
151	A Novel Feature Selection Approach Based on FODPSO and SVM. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2935-2947.	6.3	98
152	Wavelet-Based Classification of Hyperspectral Images Using Extended Morphological Profiles on Graphics Processing Units. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2962-2970.	4.9	23
153	Processing high resolution images of urban areas with self-dual attribute filters. , 2015, , .		1
154	Classification of Hyperspectral Images by Exploiting Spectral-Spatial Information of Superpixel via Multiple Kernels. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6663-6674.	6.3	326
155	GPU Implementation of Iterative-Constrained Endmember Extraction from Remotely Sensed Hyperspectral Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2939-2949.	4.9	12
156	A Novel Evolutionary Swarm Fuzzy Clustering Approach for Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2447-2456.	4.9	29
157	Extended Self-Dual Attribute Profiles for the Classification of Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1690-1694.	3.1	33
158	Spectral-Spatial Classification of Hyperspectral Images With a Superpixel-Based Discriminative Sparse Model. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4186-4201.	6.3	229
159	Challenges and Opportunities of Multimodality and Data Fusion in Remote Sensing. Proceedings of the IEEE, 2015, 103, 1585-1601.	21.3	165
160	Spectral and Spatial Classification of Hyperspectral Images Based on ICA and Reduced Morphological Attribute Profiles. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6223-6240.	6.3	81
161	On Understanding Big Data Impacts in Remotely Sensed Image Classification Using Support Vector Machine Methods. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4634-4646.	4.9	71
162	A Novel MKL Model of Integrating LiDAR Data and MSI for Urban Area Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5312-5326.	6.3	90

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163	Land-cover classification using both hyperspectral and LiDAR data. International Journal of Image and Data Fusion, 2015, 6, 189-215.	1.7	66
164	Model-Based Fusion of Multi- and Hyperspectral Images Using PCA and Wavelets. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2652-2663.	6.3	135
165	A Survey on Spectral-Spatial Classification Techniques Based on Attribute Profiles. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2335-2353.	6.3	312
166	Multiple Feature Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1592-1606.	6.3	282
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