

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.

109 papers	1,087 citations	14 h-index	29 g-index
176 ext. papers	1,303 ext. citations	4.3 avg, IF	4.89 L-index

#	Paper	IF	Citations
109	Target Localization for Monostatic MIMO Radar Based on a Double Polynomial Rooting Technique. <i>IEEE Communications Letters</i> , 2022 , 26, 454-457	3.8	1
108	Hierarchical CNN Classification of Hyperspectral Images Based on 3D Attention Soft Augmentation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022 , 1-1	4.7	1
107	Deep Multiscale Siamese Network with Parallel Convolutional Structure and Self-Attention for Change Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	8
106	Potential Target Region Extraction and Isolated Forest with Statistical Correlation Representation for Hyperspectral Anomaly Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	
105	Hyperspectral Anomaly Detection via Image Super-Resolution Processing and Spatial Correlation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 2307-2320	8.1	6
104	Multitemporal Images Change Detection Based on AMMF and Spectral Constraint Strategy. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 3444-3457	8.1	9
103	Attention Symbiotic Neural Network for Hyperspectral Image Refined Classification Based on Relative Water Content Retrieval. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 5998-6016	8.1	3
102	Auxiliary Bounding Box Regression for Object Detection in Optical Remote Sensing Imagery. <i>Sensing and Imaging</i> , 2021 , 22, 1	1.4	0
101	A Relation-Augmented Embedded Graph Attention Network for Remote Sensing Object Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-18	8.1	7
100	Subpixel Temperature Estimation by Information Transfer With Adaptive Ensemble Extreme Learning Machine (IT-AEELM). <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 6743-6754	4.7	0
99	Multitemporal Hyperspectral Images Change Detection Based on Joint Unmixing and Information Coguidance Strategy. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-13	8.1	7
98	A Shadow Detection Algorithm Based on Multiscale Spatial Attention Mechanism for Aerial Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	0
97	Water Retrieval Embedded Attention Network With Multiscale Receptive Fields for Hyperspectral Image Refined Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-22	8.1	1
96	Attention Multisource Fusion-Based Deep Few-Shot Learning for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 8773-8788	4.7	7
95	A Multiview Spectral-Spatial Feature Extraction and Fusion Framework for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	2
94	Improving Sparse Noise Removal via L ₂ Norm Optimization for Hyperspectral Image Restoration. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	
93	Thermal Hyperspectral Image Denoising Using Total Variation Based on Bidirectional Estimation and Brightness Temperature Smoothing. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	

92	A Novel Thin Cloud Removal Method Based on Multiscale Dark Channel Prior (MDCP). <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	2
91	Hyperspectral Anomaly Detection for Spectral Anomaly Targets via Spatial and Spectral Constraints. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-15	8.1	3
90	Spectral-Spatial Joint Feature Extraction for Hyperspectral Image Based on High-Reliable Neighborhood Structure. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 1-1	4.7	0
89	Cross-Scene Deep Transfer Learning With Spectral Feature Adaptation for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 2861-2873	4.7	11
88	A Target-Oriented Multisource Association Model Based on Triple-Unit-Graph and Feature Constraint Representation Learning for SAR Target Detection Tasks. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 1-5	4.1	
87	A New Hyperspectral Anomaly Detection Method Based on Higher Order Statistics and Adaptive Cosine Estimator. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 661-665	4.1	6
86	Cloud-Aware Generative Network: Removing Cloud From Optical Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 691-695	4.1	7
85	An Iterative Training Sample Updating Approach for Domain Adaptation in Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 1-5	4.1	6
84	Multiscale Feature Extraction Based on Convolutional Sparse Decomposition for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 4960-4972	4.7	4
83	Contour Refinement and EG-GHT-Based Inshore Ship Detection in Optical Remote Sensing Image. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 8458-8478	8.1	13
82	Region search based on hybrid convolutional neural network in optical remote sensing images. <i>International Journal of Distributed Sensor Networks</i> , 2019 , 15, 155014771985203	1.7	16
81	Hyper-Sharpening Based on Spectral Modulation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 1534-1548	4.7	6
80	Robust building boundary extraction method based on dual-scale feature classification and decision fusion with satellite image. <i>International Journal of Remote Sensing</i> , 2019 , 40, 5497-5529	3.1	1
79	A Comparison: Different DCNN Models for Intelligent Object Detection in Remote Sensing Images. <i>Neural Processing Letters</i> , 2019 , 49, 1369-1379	2.4	7
78	Singular value decomposition-based anisotropic diffusion for fusion of infrared and visible images. <i>International Journal of Image and Data Fusion</i> , 2019 , 10, 146-163	1.8	12
77	Impact of compressed and down-scaled training images on vehicle detection in remote sensing imagery. <i>Multimedia Tools and Applications</i> , 2019 , 78, 32565-32583	2.5	11
76	Transfer and Association: A Novel Detection Method for Targets without Prior Homogeneous Samples. <i>Remote Sensing</i> , 2019 , 11, 1492	5	1
75	Temperature and Emissivity Smoothing Separation with Nonlinear Relation of Brightness Temperature and Emissivity for Thermal Infrared Sensors. <i>Remote Sensing</i> , 2019 , 11, 2959	5	

74	Hyperspectral Anomaly Detection Based on Improved RX with CNN Framework 2019 ,		3
73	Real-Valued DOA Estimation for Non-Circular Sources via Reduced-Order Polynomial Rooting. <i>IEEE Access</i> , 2019 , 7, 158892-158903	3.5	2
72	Vehicle Detection in High-Resolution Images Using Superpixel Segmentation and CNN Iteration Strategy. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 105-109	4.1	6
71	Point-and-Shoot Strategy for Identification of Alcoholic Beverages. <i>Analytical Chemistry</i> , 2018 , 90, 9838-9844	7.84	12
70	Hyperspectral Image Resolution Enhancement Approach Based on Local Adaptive Sparse Unmixing and Subpixel Calibration. <i>Remote Sensing</i> , 2018 , 10, 592	5	2
69	Hyperspectral Image Refined Plant Classification By Graph Based Composite Kernel 2018 ,		4
68	Feature Matching Improvement through Merging Features for Remote Sensing Imagery. <i>3D Research</i> , 2018 , 9, 1	2.4	0
67	Iterative Support Vector Machine for Hyperspectral Image Classification 2018 ,		13
66	Holistic quaternion vector convolution filter for RGB-depth video contour detection. <i>Journal of Electronic Imaging</i> , 2017 , 26, 033010	0.7	
65	Target Detection for Polarized Hyperspectral Images Based on Tensor Decomposition. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 674-678	4.1	9
64	SDBD: A Hierarchical Region-of-Interest Detection Approach in Large-Scale Remote Sensing Image. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 699-703	4.1	12
63	An improved non-subsampled contourlet transform-based hybrid pan-sharpening algorithm 2017 ,		4
62	A Novel Deep Embedding Network for Building Shape Recognition. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 2127-2131	4.1	4
61	Investigation of multi-frame image super-resolution based on adaptive self-learning methods. <i>Journal of Modern Optics</i> , 2017 , 64, 111-121	1.1	
60	Joint Sparse Tensor Representation for the Target Detection of Polarized Hyperspectral Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 2235-2239	4.1	2
59	Efficient detection of vehicle on the road for GF-2 satellite image with 1-meter spatial resolution 2017 ,		1
58	Hyperspectral Image Classification Based on Semi-Supervised Rotation Forest. <i>Remote Sensing</i> , 2017 , 9, 924	5	10
57	Surrogate Based Optimization of Aerodynamic Noise for Streamlined Shape of High Speed Trains. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 196	2.6	8

56	Combining Component Substitution and Multiresolution Analysis: A Novel Generalized BDSD Pansharpening Algorithm. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 2867-2875	4.7	45
55	Comparative analysis of feature extraction methods in satellite imagery. <i>Journal of Applied Remote Sensing</i> , 2017 , 11, 1	1.4	10
54	Three-level parallel-set partitioning in hierarchical trees coding based on the collaborative CPU and GPU for remote sensing images compression. <i>Journal of Applied Remote Sensing</i> , 2017 , 11, 1	1.4	0
53	Influences of affiliated components and train length on the train wind. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2016 , 32, 191-205	2	23
52	Shadow Detection and Removal for Occluded Object Information Recovery in Urban High-Resolution Panchromatic Satellite Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 2568-2582	4.7	31
51	A Novel Synergetic Classification Approach for Hyperspectral and Panchromatic Images Based on Self-Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 4917-4928	8.1	12
50	A Novel Vision-Based Adaptive Scanning for the Compression of Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 1336-1348	8.1	14
49	An improved parameter estimation scheme for image modification detection based on DCT coefficient analysis. <i>Forensic Science International</i> , 2016 , 259, 200-9	2.6	15
48	Phase Analysis of Three-Dimensional Zernike Moment for Building Classification and Orientation in Digital Surface Model. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 58-62	4.1	4
47	Incorporating Diversity into Self-Learning for Synergetic Classification of Hyperspectral and Panchromatic Images. <i>Remote Sensing</i> , 2016 , 8, 804	5	7
46	Implentation of onboard JPEG XR compression on a low clock frequency FPGA 2016 ,		3
45	Building extraction from stereo aerial images based on multi-layer line grouping with height constraint 2016 ,		3
44	Pan-Sharpening by Multilevel Interband Structure Modeling. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 892-896	4.1	9
43	Remote haptic sensing using sliding-mode assist disturbance observer as force detector. <i>IET Control Theory and Applications</i> , 2015 , 9, 1517-1524	2.5	5
42	Adaptive quantized PCA with 3D prediction and positive packing for lossless compression of ultraspectral sounder data. <i>International Journal of Remote Sensing</i> , 2015 , 36, 1689-1704	3.1	2
41	Multiframe Superresolution Reconstruction Based on Self-Learning Method. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-12	1.1	1
40	A Novel Hybrid Method for Remote Sensing Image Approximation Using the Tetrolet Transform. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 4949-4959	4.7	7
39	Three-Dimensional Reconstruction of Multiplatform Stereo Data With Variance Component Estimation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 4211-4226	8.1	5

38	Classification of hyperspectral image based on deep belief networks 2014 ,		95
37	A rapid compression technology for remote sensing image based on different ground scenes 2013 ,		1
36	Modeling and Simulation of Polarimetric Hyperspectral Imaging Process. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012 , 50, 2238-2253	8.1	4
35	Reversible image watermarking by rhombus prediction and histogram modification 2012 ,		4
34	Multi-sensor image classification based on active learning 2012 ,		1
33	Linear spectral unmixing with generalized constraint for hyperspectral imagery 2012 ,		1
32	An optimal-truncation-based tucker decomposition method for hyperspectral image compression 2012 ,		2
31	BUILT-IN TEST SIGNAL FEATURE EXTRACTION METHOD BASED ON HILBERT-POUANG TRANSFORM. <i>Advances in Adaptive Data Analysis</i> , 2012 , 04, 1250005		
30	Robust Hyperspectral Classification Using Relevance Vector Machine. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011 , 49, 2100-2112	8.1	76
29	Enhanced Self-Training Superresolution Mapping Technique for Hyperspectral Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011 , 8, 671-675	4.1	15
28	SVM-Based Unmixing-to-Classification Conversion for Hyperspectral Abundance Quantification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011 , 49, 4318-4327	8.1	24
27	Fusion of multispectral and panchromatic images based on transferable parameters. <i>International Journal of Image and Data Fusion</i> , 2011 , 2, 191-215	1.8	1
26	A novel super-resolution method of PolSAR images based on target decomposition and polarimetric spatial correlation. <i>International Journal of Remote Sensing</i> , 2011 , 32, 4893-4913	3.1	7
25	An improved spectral reflectance and derivative feature fusion for hyperspectral image classification 2011 ,		3
24	A robust spectral target recognition method for hyperspectral data based on combined spectral signatures 2011 ,		5
23	Ground topography estimation over forests using PolInSAR image by means of coherence set 2011 ,		1
22	Restoration of an atmospherically blurred image based on physical model fusion approach 2010 ,		4
21	A Composite Kernel Regression Method Integrating Spatial and Gray Information for Infrared Small Target Detection 2010 ,		3

20	Hyperspectral image segmentation method based on spatial-spectral constrained region active contour 2010 ,		1
19	Automatic registration of sar and optical image based on multi-features and multi-constraints 2010 ,		3
18	Target detection based on granularity computing of quotient space theory using SAR image 2010 ,		1
17	An Iterative Weighing Algorithm for Image Reconstruction in Compressive Sensing 2010 ,		2
16	Comparative Analysis of Feature Extraction Algorithms with Different Rules for Hyperspectral Anomaly Detection 2010 ,		4
15	A BOI-Preserving-Based Compression Method for Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010 ,	8.1	6
14	A Kernel-Based Nonparametric Regression Method for Clutter Removal in Infrared Small-Target Detection Applications. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2010 , 7, 469-473	4.1	119
13	Kernel regression-based background predicting method for target detection in SAR image 2009 ,		1
12	An extended multiple-component scattering model for PolSAR images. <i>International Journal of Remote Sensing</i> , 2009 , 30, 5515-5525	3.1	4
11	Polarimetric SAR image classification using Multiple-Component Scattering Model and Support Vector Machine 2009 ,		2
10	Integration of Spatial&Spectral Information for Resolution Enhancement in Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008 , 46, 1347-1358	8.1	71
9	Multiple-Component Scattering Model for Polarimetric SAR Image Decomposition. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2008 , 5, 603-607	4.1	69
8	Registration of remote sensing images based on Gaussian fitting 2008 ,		1
7	Simplifying SPIHT for More Memory Efficient Onboard Machine-Vision Codec and the Parallel Processing Architecture 2007 ,		2
6	A Novel Geometry-Based Feature-Selection Technique for Hyperspectral Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2007 , 4, 171-175	4.1	43
5	Band Selection Based On A New Seperability Measure For Hyperspectral Images Classification 2006 ,		1
4	Adaptive subspace decomposition for hyperspectral data dimensionality reduction 1999 ,		4
3	A Selective Kernel PCA Algorithm for Anomaly Detection in Hyperspectral Imagery		1

2	Using Dependent Regions for Object Categorization in a Generative Framework	40
1	Remote sensing image fusion based on ridgelet transform	7