

List of Publications by Citations

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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.

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|--------------------|-------------------------|----------------|-----------------|
| 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 | 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 |
| 108 | Classification of hyperspectral image based on deep belief networks 2014 , | | 95 |
| 107 | Robust Hyperspectral Classification Using Relevance Vector Machine. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011 , 49, 2100-2112 | 8.1 | 76 |
| 106 | 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 |
| 105 | Multiple-Component Scattering Model for Polarimetric SAR Image Decomposition. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2008 , 5, 603-607 | 4.1 | 69 |
| 104 | Combining Component Substitution and Multiresolution Analysis: A Novel Generalized BSDP Pan-sharpening Algorithm. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 2867-2875 | 4.7 | 45 |
| 103 | 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 |
| 102 | Using Dependent Regions for Object Categorization in a Generative Framework | | 40 |
| 101 | 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 |
| 100 | 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 |
| 99 | Influences of affiliated components and train length on the train wind. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2016 , 32, 191-205 | 2 | 23 |
| 98 | 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 |
| 97 | 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 |
| 96 | Enhanced Self-Training Superresolution Mapping Technique for Hyperspectral Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011 , 8, 671-675 | 4.1 | 15 |
| 95 | 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 |
| 94 | 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 |
| 93 | Iterative Support Vector Machine for Hyperspectral Image Classification 2018 , | | 13 |

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| 92 | 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 |
| 91 | 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 |
| 90 | Point-and-Shoot Strategy for Identification of Alcoholic Beverages. <i>Analytical Chemistry</i> , 2018 , 90, 9838-9844 | 7.4 | 12 |
| 89 | 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 |
| 88 | 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 |
| 87 | 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 |
| 86 | Hyperspectral Image Classification Based on Semi-Supervised Rotation Forest. <i>Remote Sensing</i> , 2017 , 9, 924 | 5 | 10 |
| 85 | Comparative analysis of feature extraction methods in satellite imagery. <i>Journal of Applied Remote Sensing</i> , 2017 , 11, 1 | 1.4 | 10 |
| 84 | 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 |
| 83 | Pan-Sharpening by Multilevel Interband Structure Modeling. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 892-896 | 4.1 | 9 |
| 82 | 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 |
| 81 | Surrogate Based Optimization of Aerodynamic Noise for Streamlined Shape of High Speed Trains. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 196 | 2.6 | 8 |
| 80 | 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 |
| 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 | 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 |
| 77 | 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 |
| 76 | Remote sensing image fusion based on ridgelet transform | | 7 |
| 75 | 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 |

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| 74 | Incorporating Diversity into Self-Learning for Synergetic Classification of Hyperspectral and Panchromatic Images. <i>Remote Sensing</i> , 2016 , 8, 804 | 5 | 7 |
| 73 | 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 |
| 72 | 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 |
| 71 | 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 |
| 70 | 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 |
| 69 | A BOI-Preserving-Based Compression Method for Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010 , | 8.1 | 6 |
| 68 | 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 |
| 67 | 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 |
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 62 | A robust spectral target recognition method for hyperspectral data based on combined spectral signatures 2011 , | | 5 |
| 61 | An improved non-subsampled contourlet transform-based hybrid pan-sharpening algorithm 2017 , | | 4 |
| 60 | 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 |
| 59 | A Novel Deep Embedding Network for Building Shape Recognition. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 2127-2131 | 4.1 | 4 |
| 58 | Modeling and Simulation of Polarimetric Hyperspectral Imaging Process. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012 , 50, 2238-2253 | 8.1 | 4 |
| 57 | Reversible image watermarking by rhombus prediction and histogram modification 2012 , | | 4 |

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| 56 | Restoration of an atmospherically blurred image based on physical model fusion approach 2010 , | | 4 |
| 55 | Comparative Analysis of Feature Extraction Algorithms with Different Rules for Hyperspectral Anomaly Detection 2010 , | | 4 |
| 54 | An extended multiple-component scattering model for PolSAR images. <i>International Journal of Remote Sensing</i> , 2009 , 30, 5515-5525 | 3.1 | 4 |
| 53 | Adaptive subspace decomposition for hyperspectral data dimensionality reduction 1999 , | | 4 |
| 52 | 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 |
| 51 | Hyperspectral Image Refined Plant Classification By Graph Based Composite Kernel 2018 , | | 4 |
| 50 | A Composite Kernel Regression Method Integrating Spatial and Gray Information for Infrared Small Target Detection 2010 , | | 3 |
| 49 | Automatic registration of sar and optical image based on multi-features and multi-constraints 2010 , | | 3 |
| 48 | An improved spectral reflectance and derivative feature fusion for hyperspectral image classification 2011 , | | 3 |
| 47 | Implentation of onboard JPEG XR compression on a low clock frequency FPGA 2016 , | | 3 |
| 46 | Building extraction from stereo aerial images based on multi-layer line grouping with height constraint 2016 , | | 3 |
| 45 | Hyperspectral Anomaly Detection Based on Improved RX with CNN Framework 2019 , | | 3 |
| 44 | 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 |
| 43 | 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 |
| 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 | Hyperspectral Image Resolution Enhancement Approach Based on Local Adaptive Sparse Unmixing and Subpixel Calibration. <i>Remote Sensing</i> , 2018 , 10, 592 | 5 | 2 |
| 40 | 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 |
| 39 | An Iterative Weighing Algorithm for Image Reconstruction in Compressive Sensing 2010 , | | 2 |

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| 38 | An optimal-truncation-based tucker decomposition method for hyperspectral image compression 2012 , | | 2 |
| 37 | Polarimetric SAR image classification using Multiple-Component Scattering Model and Support Vector Machine 2009 , | | 2 |
| 36 | Simplifying SPIHT for More Memory Efficient Onboard Machine-Vision Codec and the Parallel Processing Architecture 2007 , | | 2 |
| 35 | Real-Valued DOA Estimation for Non-Circular Sources via Reduced-Order Polynomial Rooting. <i>IEEE Access</i> , 2019 , 7, 158892-158903 | 3.5 | 2 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 |
| 31 | Transfer and Association: A Novel Detection Method for Targets without Prior Homogeneous Samples. <i>Remote Sensing</i> , 2019 , 11, 1492 | 5 | 1 |
| 30 | Efficient detection of vehicle on the road for GF-2 satellite image with 1-meter spatial resolution 2017 , | | 1 |
| 29 | Multiframe Superresolution Reconstruction Based on Self-Learning Method. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-12 | 1.1 | 1 |
| 28 | A rapid compression technology for remote sensing image based on different ground scenes 2013 , | | 1 |
| 27 | Hyperspectral image segmentation method based on spatial-spectral constrained region active contour 2010 , | | 1 |
| 26 | Target detection based on granularity computing of quotient space theory using SAR image 2010 , | | 1 |
| 25 | Kernel regression-based background predicting method for target detection in SAR image 2009 , | | 1 |
| 24 | 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 |
| 23 | Ground topography estimation over forests using PolInSAR image by means of coherence set 2011 , | | 1 |
| 22 | Multi-sensor image classification based on active learning 2012 , | | 1 |
| 21 | Linear spectral unmixing with generalized constraint for hyperspectral imagery 2012 , | | 1 |

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| 20 | Registration of remote sensing images based on Gaussian fitting 2008 , | | 1 |
| 19 | A Selective Kernel PCA Algorithm for Anomaly Detection in Hyperspectral Imagery | | 1 |
| 18 | Band Selection Based On A New Seperability Measure For Hyperspectral Images Classification 2006 , | | 1 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | Auxiliary Bounding Box Regression for Object Detection in Optical Remote Sensing Imagery. <i>Sensing and Imaging</i> , 2021 , 22, 1 | 1.4 | 0 |
| 12 | 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 |
| 11 | 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 |
| 10 | Feature Matching Improvement through Merging Features for Remote Sensing Imagery. <i>3D Research</i> , 2018 , 9, 1 | 2.4 | 0 |
| 9 | 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 |
| 8 | Holistic quaternion vector convolution filter for RGB-depth video contour detection. <i>Journal of Electronic Imaging</i> , 2017 , 26, 033010 | 0.7 | |
| 7 | 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 | |
| 6 | BUILT-IN TEST SIGNAL FEATURE EXTRACTION METHOD BASED ON HILBERT-HUANG TRANSFORM. <i>Advances in Adaptive Data Analysis</i> , 2012 , 04, 1250005 | | |
| 5 | 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 | |
| 4 | 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 | |
| 3 | 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 | |

- 2 Improving Sparse Noise Removal via L₁Norm Optimization for Hyperspectral Image Restoration. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-5 4.1
- 1 Thermal Hyperspectral Image Denoising Using Total Variation Based on Bidirectional Estimation and Brightness Temperature Smoothing. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-5 4.1