# Chengchao Li

List of Publications by Year
in descending order

| 273 papers | 21,517 citations | 12597<br>71 h-index | 11946<br>139 g-index |
|---|---|---|---|
| 275 all docs | 275 docs citations | 275 times ranked | 11152 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | Facial Expression Recognition With Visual Transformers and Attentional Selective Fusion. IEEE Transactions on Affective Computing, 2023, 14, 1236-1248. | 5.7 | 74 |
| 2 | Multimodal Sparse Transformer Network for Audio-Visual Speech Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10028-10038. | 7.2 | 16 |
| 3 | Hallucinating Color Face Image by Learning Graph Representation in Quaternion Space. IEEE Transactions on Cybernetics, 2022, 52, 265-277. | 6.2 | 9 |
| 4 | Adaptive Rank and Structured Sparsity Corrections for Hyperspectral Image Restoration. IEEE Transactions on Cybernetics, 2022, 52, 8729-8740. | 6.2 | 5 |
| 5 | Fog Model-Based Hyperspectral Image Defogging. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12. | 2.7 | 15 |
| 6 | A Blind Full-Resolution Quality Evaluation Method for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16. | 2.7 | 12 |
| 7 | SARF: A Simple, Adjustable, and Robust Fusion Method. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 1.4 | 5 |
| 8 | Edge-Guided Recurrent Convolutional Neural Network for Multitemporal Remote Sensing Image Building Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13. | 2.7 | 38 |
| 9 | Curvature Filters-Based Multiscale Feature Extraction for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16. | 2.7 | 8 |
| 10 | A novel fusion paradigm for multi-channel image denoising. Information Fusion, 2022, 77, 62-69. | 11.7 | 7 |
| 11 | Polygon Structure-Guided Hyperspectral Image Classification With Single Sample for Strong Geometric Characteristics Scenes. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12. | 2.7 | 14 |
| 12 | Super Resolution Guided Deep Network for Land Cover Classification From Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12. | 2.7 | 19 |
| 13 | One-Step High-Quality NDVI Time-Series Reconstruction by Joint Modeling of Gradual Vegetation Change and Negatively Biased Atmospheric Contamination. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17. | 2.7 | 3 |
| 14 | A Robust UAV Hyperspectral Image Stitching Method Based on Deep Feature Matching. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14. | 2.7 | 6 |
| 15 | Human–Machine Interaction in Intelligent and Connected Vehicles: A Review of Status Quo, Issues, and Opportunities. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13954-13975. | 4.7 | 16 |
| 16 | Multilayer Global Spectral–Spatial Attention Network for Wetland Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13. | 2.7 | 15 |
| 17 | Semisupervised Semantic Segmentation of Remote Sensing Images With Consistency Self-Training. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11. | 2.7 | 8 |
| 18 | Superpixel-Based Brownian Descriptor for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12. | 2.7 | 5 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | PSTAF-GAN: Progressive Spatio-Temporal Attention Fusion Method Based on Generative Adversarial Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13. | 2.7 | 8 |
| 20 | Self-supervised learning-based oil spill detection of hyperspectral images. Science China Technological Sciences, 2022, 65, 793-801. | 2.0 | 40 |
| 21 | Vision Transformer for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11. | 2.7 | 28 |
| 22 | Spatio–Temporal–Spectral Collaborative Learning for Spatio–Temporal Fusion with Land Cover Changes. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16. | 2.7 | 11 |
| 23 | Deep Fusion of Spectral–Spatial Priors for Cropland Segmentation in Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 1.4 | 0 |
| 24 | Naive Gabor Networks for Hyperspectral Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 376-390. | 7.2 | 40 |
| 25 | Recent advances and new guidelines on hyperspectral and multispectral image fusion. Information Fusion, 2021, 69, 40-51. | 11.7 | 106 |
| 26 | Unsupervised Denoising of Optical Coherence Tomography Images With Nonlocal-Generative Adversarial Network. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12. | 2.4 | 18 |
| 27 | Intrinsic Graph Learning With Discrete Constrained Diffusion-Fusion. IEEE Transactions on Neural Networks and Learning Systems, 2021, PP, 1-14. | 7.2 | 0 |
| 28 | Multifeature Selective Fusion Network for Real-Time Driving Scene Parsing. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12. | 2.4 | 6 |
| 29 | Deep Hashing Learning for Visual and Semantic Retrieval of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9661-9672. | 2.7 | 43 |
| 30 | Regularizing Hyperspectral and Multispectral Image Fusion by CNN Denoiser. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1124-1135. | 7.2 | 179 |
| 31 | Fusion of Dual Spatial Information for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7726-7738. | 2.7 | 87 |
| 32 | Attribute filter based infrared and visible image fusion. Information Fusion, 2021, 75, 41-54. | 11.7 | 36 |
| 33 | Fusing Multiple Deep Models for *In Vivo* Human Brain Hyperspectral Image Classification to Identify Glioblastoma Tumor. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14. | 2.4 | 27 |
| 34 | Polygonal Partition-Based Hyperspectral Image Classification with Single Labeled Sample. , 2021, , . | | 0 |
| 35 | HNU-HMiF: A UAV-Borne Dataset for Hyperspectral and Multispectral Image Fusion. , 2021, , . | | 0 |
| 36 | Local Brownian Descriptor Based Feature Extraction Method for Hyperspectral Image Classification. , 2021, , . | | 0 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | Joint Image Registration and Blur Kernel Learning for Pansharpening. , 2021, , . | | 0 |
| 38 | A Comparative Study of Noise Sensitivity on Different Hyperspectral Classification Methods. , 2021, , . | | 1 |
| 39 | Seam-Cutting Based Unmanned Aerial Vehicle Hyperspectral Image Stitching. , 2021, , . | | 0 |
| 40 | Context-Aware Compressed Sensing of Hyperspectral Image. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 268-280. | 2.7 | 9 |
| 41 | Hyperspectral Anomaly Detection With Kernel Isolation Forest. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 319-329. | 2.7 | 104 |
| 42 | Perceptual Evaluation for Multi-Exposure Image Fusion of Dynamic Scenes. IEEE Transactions on Image Processing, 2020, 29, 1127-1138. | 6.0 | 29 |
| 43 | Face hallucination via multiple feature learning with hierarchical structure. Information Sciences, 2020, 512, 416-430. | 4.0 | 6 |
| 44 | Hyperspectral Images Denoising via Nonconvex Regularized Low-Rank and Sparse Matrix Decomposition. IEEE Transactions on Image Processing, 2020, 29, 44-56. | 6.0 | 59 |
| 45 | Skip-Connected Covariance Network for Remote Sensing Scene Classification. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1461-1474. | 7.2 | 146 |
| 46 | Robust face hallucination via locality-constrained multiscale coding. Information Sciences, 2020, 512, 369-380. | 4.0 | 2 |
| 47 | Game Theory-Based Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2965-2976. | 2.7 | 16 |
| 48 | Multichannel Pulse-Coupled Neural Network-Based Hyperspectral Image Visualization. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2444-2456. | 2.7 | 34 |
| 49 | Nonlocal Sparse Tensor Factorization for Semiblind Hyperspectral and Multispectral Image Fusion. IEEE Transactions on Cybernetics, 2020, 50, 4469-4480. | 6.2 | 107 |
| 50 | Hyperspectral image visualization with edge-preserving filtering and principal component analysis. Information Fusion, 2020, 57, 130-143. | 11.7 | 42 |
| 51 | Curvelet Transform Domain-Based Sparse Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4908-4924. | 2.3 | 16 |
| 52 | Subpixel-Pixel-Superpixel-Based Multiview Active Learning for Hyperspectral Images Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4976-4988. | 2.7 | 28 |
| 53 | Texture-aware total variation-based removal of sun glint in hyperspectral images. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 166, 359-372. | 4.9 | 47 |
| 54 | Subpixel-Pixel-Superpixel Guided Fusion for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5998-6007. | 2.7 | 22 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 55 | Hyperspectral Image Spectral–Spatial-Range Gabor Filtering. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4818-4836. | 2.7 | 21 |
| 56 | Generalized Morphological Component Analysis for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2817-2832. | 2.7 | 15 |
| 57 | Multispectral Change Detection With Bilinear Convolutional Neural Networks. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1757-1761. | 1.4 | 36 |
| 58 | Multiscale Feature Extraction with Gaussian Curvature Filter for Hyperspectral Image Classification. , 2020, , . | | 5 |
| 59 | Multilabel Sample Augmentation-Based Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4263-4278. | 2.7 | 15 |
| 60 | Vehicle Detection with Partial Anchors in Remote Sensing Images. , 2020, , . | | 0 |
| 61 | Sun Glint Removal of Hyperspectral Images via Texture-Aware Total Variation. , 2020, , . | | 2 |
| 62 | Noise Analysis of Hyperspectral Images Captured by Different Sensors. , 2020, , . | | 0 |
| 63 | Intrinsic Image Decomposition-Based Resolution Enhancement for Mineral Mapping. , 2020, , . | | 3 |
| 64 | Unsupervised Blur Kernel Learning for Pansharpening. , 2020, , . | | 8 |
| 65 | Tensor Completion via Nonlocal Low-Rank Regularization. IEEE Transactions on Cybernetics, 2019, 49, 2344-2354. | 6.2 | 43 |
| 66 | Iterative Relaxed Collaborative Representation With Adaptive Weights Learning for Noise Robust Face Hallucination. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1284-1295. | 5.6 | 20 |
| 67 | Reconstruction of Retinal OCT Images with Sparse Representation. Biological and Medical Physics Series, 2019, , 73-103. | 0.3 | 0 |
| 68 | Hyperspectral Image Super-Resolution via Subspace-Based Low Tensor Multi-Rank Regularization. IEEE Transactions on Image Processing, 2019, 28, 5135-5146. | 6.0 | 164 |
| 69 | From Difference to Similarity: A Manifold Ranking-Based Hyperspectral Anomaly Detection Framework. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8118-8130. | 2.7 | 15 |
| 70 | Graph-matching-based character recognition for Chinese seal images. Science China Information Sciences, 2019, 62, 1. | 2.7 | 5 |
| 71 | Fusion of Multiple Edge-Preserving Operations for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 10336-10349. | 2.7 | 92 |
| 72 | Multispectral and hyperspectral image fusion with spatial-spectral sparse representation. Information Fusion, 2019, 49, 262-270. | 11.7 | 95 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 73 | Noise-Robust Hyperspectral Image Classification via Multi-Scale Total Variation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1948-1962. | 2.3 | 87 |
| 74 | Subpixel Component Analysis for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5564-5579. | 2.7 | 12 |
| 75 | Deep Learning for Hyperspectral Image Classification: An Overview. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6690-6709. | 2.7 | 977 |
| 76 | Attention to Lesion: Lesion-Aware Convolutional Neural Network for Retinal Optical Coherence Tomography Image Classification. IEEE Transactions on Medical Imaging, 2019, 38, 1959-1970. | 5.4 | 146 |
| 77 | Morphological Random Walker for Hyperspectral Anomaly Detection. , 2019, , . | | 2 |
| 78 | Hyperspectral and Multispectral Image Fusion Based on Spectral Low Rank and Non-Local Spatial Similarities. , 2019, , . | | 2 |
| 79 | Color Face Hallucination Using Neighbor Locality Representation and Inter-Channel Correlation. , 2019, , . | | 1 |
| 80 | Convolutional Neural Network for Natural Color Visualization of Hyperspectral Images. , 2019, , . | | 6 |
| 81 | The Utilization of Multi-Label Samples For Hyperspectral Image Classification. , 2019, , . | | 0 |
| 82 | Hyperspectral Compressive Sensing Via Spatial-Spectral Total Variation Regularized Low-Rank Tensor Decomposition. , 2019, , . | | 2 |
| 83 | Sea-Land Segmentation for Harbour Images with Superpixel CRF. , 2019, , . | | 3 |
| 84 | Isolation Forest for Anomaly Detection in Hyperspectral Images. , 2019, , . | | 10 |
| 85 | Feature Extraction With Multiscale Covariance Maps for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 755-769. | 2.7 | 182 |
| 86 | Hyperspectral Image Classification With Squeeze Multibias Network. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1291-1301. | 2.7 | 79 |
| 87 | A Coarse-to-Fine Method for Cloud Detection in Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 110-114. | 1.4 | 19 |
| 88 | Weighted Tensor Rank-1 Decomposition for Nonlocal Image Denoising. IEEE Transactions on Image Processing, 2019, 28, 2719-2730. | 6.0 | 27 |
| 89 | A CNN With Multiscale Convolution and Diversified Metric for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3599-3618. | 2.7 | 174 |
| 90 | Feature extraction from hyperspectral images using learned edge structures. Remote Sensing Letters, 2019, 10, 244-253. | 0.6 | 9 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 91 | Learning a Low Tensor-Train Rank Representation for Hyperspectral Image Super-Resolution. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2672-2683. | 7.2 | 247 |
| 92 | Density Peak-Based Noisy Label Detection for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1573-1584. | 2.7 | 59 |
| 93 | Supervised classification methods in hyperspectral imaging—recent advances. Data Handling in Science and Technology, 2019, 32, 247-279. | 3.1 | 5 |
| 94 | Learning Quaternion Graph for Color Face Image Super-Resolution. , 2019, , . | | 2 |
| 95 | Hyperspectral Image Classification With Deep Feature Fusion Network. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3173-3184. | 2.7 | 388 |
| 96 | Deep Hyperspectral Image Sharpening. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5345-5355. | 7.2 | 266 |
| 97 | Contextual Online Dictionary Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1336-1347. | 2.7 | 22 |
| 98 | Extinction Profiles Fusion for Hyperspectral Images Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1803-1815. | 2.7 | 104 |
| 99 | Hyperspectral Image Denoising With Group Sparse and Low-Rank Tensor Decomposition. IEEE Access, 2018, 6, 1380-1390. | 2.6 | 38 |
| 100 | Multiview Intensity-Based Active Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 669-680. | 2.7 | 34 |
| 101 | Recent Advances on Spectral–Spatial Hyperspectral Image Classification: An Overview and New Guidelines. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1579-1597. | 2.7 | 438 |
| 102 | Classification of Hyperspectral Images by Gabor Filtering Based Deep Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1166-1178. | 2.3 | 129 |
| 103 | Detection and Correction of Mislabeled Training Samples for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5673-5686. | 2.7 | 75 |
| 104 | A New Spatial–Spectral Feature Extraction Method for Hyperspectral Images Using Local Covariance Matrix Representation. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3534-3546. | 2.7 | 153 |
| 105 | Robust Face Hallucination via Locality-Constrained Bi-Layer Representation. IEEE Transactions on Cybernetics, 2018, 48, 1189-1201. | 6.2 | 51 |
| 106 | Quaternion Locality-Constrained Coding for Color Face Hallucination. IEEE Transactions on Cybernetics, 2018, 48, 1474-1485. | 6.2 | 24 |
| 107 | Mixed Noise Removal via Robust Constrained Sparse Representation. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2177-2189. | 5.6 | 23 |
| 108 | Super-resolution of hyperspectral image via superpixel-based sparse representation. Neurocomputing, 2018, 273, 171-177. | 3.5 | 100 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 109 | Extended Random Walker for Shadow Detection in Very High Resolution Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 867-876. | 2.7 | 55 |
| 110 | Face Image Super-Resolution via K-NN Regularized Collaborative Representation with Importance Reweighting. , 2018, , . | | 0 |
| 111 | A Subpixel Spatial-Spectral Feature Mining for Hyperspectral Image Classification. , 2018, , . | | 2 |
| 112 | Hyperspectral Band Selection Using Pair-Wise Constraint and Band-Wise Correlation. , 2018, , . | | 1 |
| 113 | Similarity-Preserving Deep Features for Hyperspectral Image Classification. , 2018, , . | | 1 |
| 114 | Fusing Information from Subpixel to Superpixel for Hyperspectral Anomaly Detection. , 2018, , . | | 4 |
| 115 | A Novel Nonconvex Sparsity Measure for Hyperspectral Images Restoration. , 2018, , . | | 0 |
| 116 | Semi-Tensor Compressed Sensing for Hyperspectral Image. , 2018, , . | | 3 |
| 117 | Hyperspectral Image Super-Resolution via Local Low-Rank and Sparse Representations. , 2018, , . | | 17 |
| 118 | Covariance Matrix Based Feature Fusion for Scene Classification. , 2018, , . | | 7 |
| 119 | The Effect of Ground Truth on Accuracy Indexes in Hyperspectral Image Classification. , 2018, , . | | 0 |
| 120 | Multi-Scale Structure Extraction for Hyperspectral Image Classification. , 2018, , . | | 1 |
| 121 | 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. | 4.9 | 255 |
| 122 | Fusing Hyperspectral and Multispectral Images via Coupled Sparse Tensor Factorization. IEEE Transactions on Image Processing, 2018, 27, 4118-4130. | 6.0 | 353 |
| 123 | Hyperspectral Anomaly Detection With Multiscale Attribute and Edge-Preserving Filters. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1605-1609. | 1.4 | 61 |
| 124 | Remote Sensing Scene Classification Using Multilayer Stacked Covariance Pooling. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6899-6910. | 2.7 | 232 |
| 125 | The Effect of Ground Truth on Performance Evaluation of Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 7195-7206. | 2.7 | 22 |
| 126 | Decolorization-Based Hyperspectral Image Visualization. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4346-4360. | 2.7 | 44 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 127 | Gaussian Pyramid Based Multiscale Feature Fusion for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3312-3324. | 2.3 | 56 |
| 128 | Pixel-level image fusion: A survey of the state of the art. Information Fusion, 2017, 33, 100-112. | 11.7 | 880 |
| 129 | Social Media: New Perspectives to Improve Remote Sensing for Emergency Response. Proceedings of the IEEE, 2017, 105, 1900-1912. | 16.4 | 45 |
| 130 | From Subpixel to Superpixel: A Novel Fusion Framework for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4398-4411. | 2.7 | 71 |
| 131 | Learning to Diversify Deep Belief Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3516-3530. | 2.7 | 270 |
| 132 | Hyperspectral Image Classification via Multiple-Feature-Based Adaptive Sparse Representation. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1646-1657. | 2.4 | 147 |
| 133 | Path Searching Based Crease Detection for Large Scale Scanned Document Images. Sensing and Imaging, 2017, 18, 1. | 1.0 | 0 |
| 134 | PCA-Based Edge-Preserving Features for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 7140-7151. | 2.7 | 273 |
| 135 | Hyperspectral Anomaly Detection With Attribute and Edge-Preserving Filters. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5600-5611. | 2.7 | 291 |
| 136 | Automatic detection and recognition of multiple macular lesions in retinal optical coherence tomography images with multi-instance multilabel learning. Journal of Biomedical Optics, 2017, 22, 066014. | 1.4 | 10 |
| 137 | Adaptive Spectral–Spatial Compression of Hyperspectral Image With Sparse Representation. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 671-682. | 2.7 | 51 |
| 138 | Random-Walker-Based Collaborative Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 212-222. | 2.7 | 58 |
| 139 | Segmentation Based Sparse Reconstruction of Optical Coherence Tomography Images. IEEE Transactions on Medical Imaging, 2017, 36, 407-421. | 5.4 | 107 |
| 140 | Gabor filtering based deep network for hyperspectral image classification. , 2017, , . | | 10 |
| 141 | Hyperspectral images classification with hybrid deep residual network. , 2017, , . | | 2 |
| 142 | Hyperspectral Image Super-Resolution via Non-local Sparse Tensor Factorization. , 2017, , . | | 195 |
| 143 | Hyperspectral image denoising with multiscale low-rank matrix recovery. , 2017, , . | | 3 |
| 144 | Automatic segmentation of nine retinal layer boundaries in OCT images of non-exudative AMD patients using deep learning and graph search. Biomedical Optics Express, 2017, 8, 2732. | 1.5 | 396 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Multiscale Superpixel-Based Sparse Representation for Hyperspectral Image Classification. Remote Sensing, 2017, 9, 139. | 1.8 | 64 |
| 146 | Iterative clustering based active learning for hyperspectral image classification. , 2017, , . | | 4 |
| 147 | Hyperspectral images classification by fusing extinction profiles feature. , 2017, , . | | 4 |
| 148 | Shadow detection in very high-resolution satellite images by extended random walker. , 2017, , . | | 1 |
| 149 | Spectral-spatial online dictionary learning for hyperspectral image classification. , 2017, , . | | 2 |
| 150 | Hyperspectral image classification: A benchmark. , 2017, , . | | 5 |
| 151 | Automatic classification of retinal three-dimensional optical coherence tomography images using principal component analysis network with composite kernels. Journal of Biomedical Optics, 2017, 22, 1. | 1.4 | 19 |
| 152 | Spectral-spatial classification of hyperspectral images via multiscale superpixels based sparse representation. , 2016, , . | | 8 |
| 153 | A Real-Time System for Lane Detection Based on FPGA and DSP. Sensing and Imaging, 2016, 17, 1. | 1.0 | 16 |
| 154 | Blind bleed-through removal for scanned historical document image with conditional random fields. IEEE Transactions on Image Processing, 2016, 25, 5702-5712. | 6.0 | 20 |
| 155 | Non-local sparse representation for hyperspectral image super-resolution. , 2016, , . | | 6 |
| 156 | Hyperspectral image classification based on KNN sparse representation. , 2016, , . | | 30 |
| 157 | Probabilistic Fusion of Pixel-Level and Superpixel-Level Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7416-7430. | 2.7 | 71 |
| 158 | Set-to-Set Distance-Based Spectralâ€"Spatial Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7122-7134. | 2.7 | 52 |
| 159 | Decision fusion of pixel-level and superpixel-level hyperspectral image classifiers. , 2016, , . | | 1 |
| 160 | Global and Local Features Based Classification for Bleed-Through Removal. Sensing and Imaging, 2016, 17, 1. | 1.0 | 2 |
| 161 | Adaptive transmission compensation via human visual system for efficient single image dehazing. Visual Computer, 2016, 32, 653-662. | 2.5 | 9 |
| 162 | Spectralâ€"Spatial Hyperspectral Image Classification Based on KNN. Sensing and Imaging, 2016, 17, 1. | 1.0 | 111 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 163 | SAR Image Despeckling Via Structural Sparse Representation. Sensing and Imaging, 2016, 17, 1. | 1.0 | 27 |
| 164 | Spectral–Spatial Adaptive Sparse Representation for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 373-385. | 2.7 | 119 |
| 165 | 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. | 2.3 | 108 |
| 166 | Superpixel-based composite kernel for hyperspectral image classification. , 2015, , . | | 9 |
| 167 | Adaptive endmember extraction based sparse nonnegative matrix factorization with spatial local information. , 2015, , . | | 3 |
| 168 | 3-D Adaptive Sparsity Based Image Compression With Applications to Optical Coherence Tomography. IEEE Transactions on Medical Imaging, 2015, 34, 1306-1320. | 5.4 | 26 |
| 169 | Spectral-spatial hyperspectral image classification via superpixel merging and sparse representation. , 2015, , . | | 6 |
| 170 | High resolution visible image completion of urban region using corresponding hyperspectral image. , 2015, , . | | 0 |
| 171 | Intrinsic Image Decomposition for Feature Extraction of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2241-2253. | 2.7 | 148 |
| 172 | Target Detection Using Sparse Representation With Element and Construction Combination Feature. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 290-298. | 2.4 | 13 |
| 173 | Pansharpening With Multiscale Normalized Nonlocal Means Filter: A Two-Step Approach. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5734-5745. | 2.7 | 29 |
| 174 | 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. | 2.7 | 326 |
| 175 | Robust Object Tracking Based on Principal Component Analysis and Local Sparse Representation. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2863-2875. | 2.4 | 34 |
| 176 | Novel Two-Dimensional Singular Spectrum Analysis for Effective Feature Extraction and Data Classification in Hyperspectral Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4418-4433. | 2.7 | 132 |
| 177 | Spectral–Spatial Classification of Hyperspectral Images With a Superpixel-Based Discriminative Sparse Model. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4186-4201. | 2.7 | 229 |
| 178 | Blind bleed-through removal for scanned historical document images with conditional random fields. , 2015, , . | | 2 |
| 179 | Face Recognition by Exploiting Local Gabor Features With Multitask Adaptive Sparse Representation. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2605-2615. | 2.4 | 29 |
| 180 | Remote Sensing Image Fusion Method Based on Nonsubsampled Shearlet Transform and Sparse Representation. Sensing and Imaging, 2015, 16, 1. | 1.0 | 30 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 181 | Extended Random Walker-Based Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 144-153. | 2.7 | 104 |
| 182 | Spectral-spatial hyperspectral classification via shape-adaptive sparse representation. , 2014, , . | | 0 |
| 183 | Extended random walkers for hyperspectral image classification. , 2014, , . | | 2 |
| 184 | Fusion Based Seamless Mosaic for Remote Sensing Images. Sensing and Imaging, 2014, 15, 1. | 1.0 | 8 |
| 185 | Spectralâ€"Spatial Hyperspectral Image Classification With Edge-Preserving Filtering. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2666-2677. | 2.7 | 614 |
| 186 | Extraction of lane markings using orientation and vanishing point constraints in structured road scenes. International Journal of Computer Mathematics, 2014, 91, 2359-2373. | 1.0 | 14 |
| 187 | Spectralâ€"Spatial Hyperspectral Image Classification via Multiscale Adaptive Sparse Representation. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7738-7749. | 2.7 | 286 |
| 188 | Visual attention guided image fusion with sparse representation. Optik, 2014, 125, 4881-4888. | 1.4 | 66 |
| 189 | Pansharpening With Matting Model. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5088-5099. | 2.7 | 94 |
| 190 | Pansharpening Based on Intrinsic Image Decomposition. Sensing and Imaging, 2014, 15, 1. | 1.0 | 5 |
| 191 | Scanned Image Descreening With Image Redundancy and Adaptive Filtering. IEEE Transactions on Image Processing, 2014, 23, 3698-3710. | 6.0 | 25 |
| 192 | Feature Extraction of Hyperspectral Images With Image Fusion and Recursive Filtering. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3742-3752. | 2.7 | 248 |
| 193 | Sparse representation with morphologic regularizations for single image super-resolution. Signal Processing, 2014, 98, 410-422. | 2.1 | 16 |
| 194 | Spectral-Spatial Hyperspectral Image Classification Using Superpixel and Extreme Learning Machines. Communications in Computer and Information Science, 2014, , 159-167. | 0.4 | 9 |
| 195 | Hyperspectral Image Classification by Exploiting the Spectral-Spatial Correlations in the Sparse Coefficients. Communications in Computer and Information Science, 2014, , 151-158. | 0.4 | 3 |
| 196 | Remote Sensing Image Fusion via Sparse Representations Over Learned Dictionaries. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4779-4789. | 2.7 | 268 |
| 197 | Multi-morphology image super-resolution via sparse representation. Neurocomputing, 2013, 120, 645-654. | 3.5 | 26 |
| 198 | Pansharpening of remote sensing images with a matting model. , 2013, , . | | 2 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 199 | Image matting for fusion of multi-focus images in dynamic scenes. Information Fusion, 2013, 14, 147-162. | 11.7 | 290 |
| 200 | Image Fusion With Guided Filtering. IEEE Transactions on Image Processing, 2013, 22, 2864-2875. | 6.0 | 1,240 |
| 201 | Decision fusion of sparse representation and support vector machine for SAR image target recognition. Neurocomputing, 2013, 113, 97-104. | 3.5 | 106 |
| 202 | Simultaneous image fusion and super-resolution using sparse representation. Information Fusion, 2013, 14, 229-240. | 11.7 | 92 |
| 203 | Lane detection algorithm based on local feature extraction. , 2013, , . | | 25 |
| 204 | Fast Acquisition and Reconstruction of Optical Coherence Tomography Images via Sparse Representation. IEEE Transactions on Medical Imaging, 2013, 32, 2034-2049. | 5.4 | 191 |
| 205 | Face recognition with kernel sparse representation on Gabor features. , 2013, , . | | 0 |
| 206 | Block-sparse compressed sensing: non-convex model and iterative re-weighted algorithm. Inverse Problems in Science and Engineering, 2013, 21, 141-154. | 1.2 | 3 |
| 207 | An Effective Lane Detection Algorithm for Structured Road in Urban. Lecture Notes in Computer Science, 2013, , 759-767. | 1.0 | 9 |
| 208 | Sparsity based denoising of spectral domain optical coherence tomography images. Biomedical Optics Express, 2012, 3, 927. | 1.5 | 225 |
| 209 | Multitemporal Image Change Detection Using a Detail-Enhancing Approach With Nonsubsampled Contourlet Transform. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 836-840. | 1.4 | 30 |
| 210 | Fast multi-exposure image fusion with median filter and recursive filter. IEEE Transactions on Consumer Electronics, 2012, 58, 626-632. | 3.0 | 204 |
| 211 | Group-Sparse Representation With Dictionary Learning for Medical Image Denoising and Fusion. IEEE Transactions on Biomedical Engineering, 2012, 59, 3450-3459. | 2.5 | 300 |
| 212 | Pixel-level image fusion with simultaneous orthogonal matching pursuit. Information Fusion, 2012, 13, 10-19. | 11.7 | 321 |
| 213 | The multiscale directional bilateral filter and its application to multisensor image fusion. Information Fusion, 2012, 13, 196-206. | 11.7 | 129 |
| 214 | An Efficient Dictionary Learning Algorithm and Its Application to 3-D Medical Image Denoising. IEEE Transactions on Biomedical Engineering, 2012, 59, 417-427. | 2.5 | 59 |
| 215 | Signal Denoising With Random Refined Orthogonal Matching Pursuit. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 26-34. | 2.4 | 17 |
| 216 | License plate detection based on improved Real Adaboost. , 2011, , . | | 2 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 217 | Face recognition using the Weber Local Descriptor. , 2011, , . | | 9 |
| 218 | A Semi-automatic Method for Vascular Image Segmentation. , 2011, , . | | 0 |
| 219 | Single image super resolution via texture constrained sparse representation. , 2011, , . | | 3 |
| 220 | Fusion of panchromatic and multispectral images using multiscale dual bilateral filter. , 2011, , . | | 11 |
| 221 | Multi-focus Image Fusion by Nonsubsampled Shearlet Transform. , 2011, , . | | 31 |
| 222 | Near Infrared Face Image Quality Assessment System of Video Sequences. , 2011, , . | | 8 |
| 223 | Image-based seat belt detection. , 2011, , . | | 25 |
| 224 | Gabor-LBP Based Region Covariance Descriptor for Person Re-identification. , 2011, , . | | 48 |
| 225 | A New Pan-Sharpening Method Using a Compressed Sensing Technique. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 738-746. | 2.7 | 371 |
| 226 | A vehicle-logo location approach based on edge detection and projection. , 2011, , . | | 11 |
| 227 | Parameter identification of electronic throttle using aÂhybridÂoptimization algorithm. Nonlinear Dynamics, 2011, 63, 549-557. | 2.7 | 13 |
| 228 | Performance comparison of different multi-resolution transforms for image fusion. Information Fusion, 2011, 12, 74-84. | 11.7 | 499 |
| 229 | Multitemporal image change detection with compressed sparse representation. , 2011, , . | | 11 |
| 230 | Segmentation of hippocampus based on ROI atlas registration. , 2011, , . | | 3 |
| 231 | Graph embedding based feature selection. , 2011, , . | | 0 |
| 232 | Text detection in images using sparse representation with discriminative dictionaries. Image and Vision Computing, 2010, 28, 1590-1599. | 2.7 | 88 |
| 233 | Multifocus Image Fusion and Restoration With Sparse Representation. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 884-892. | 2.4 | 569 |
| 234 | An efficient learned dictionary and its application to non-local denoising. , 2010, , . | | 2 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 235 | An Efficient Dictionary Learning Algorithm for Sparse Representation. , 2010, , . | | 4 |
| 236 | Remote Sensing Image Fusion Based on IHS Transform and Sparse Representation. , 2010, , . | | 4 |
| 237 | Moving Cast Shadow Detection of Vehicle Using Combined Color Models. , 2010, , . | | 39 |
| 238 | Hybrid Multiresolution Method for Multisensor Multimodal Image Fusion. IEEE Sensors Journal, 2010, 10, 1519-1526. | 2.4 | 133 |
| 239 | Hallucinating Faces by Interpolation and Principal Component Analysis. , 2009, , . | | 5 |
| 240 | Sparse Representation Classification for Image Text Detection. , 2009, , . | | 5 |
| 241 | Multifocus image fusion by combining curvelet and wavelet transform. Pattern Recognition Letters, 2008, 29, 1295-1301. | 2.6 | 187 |
| 242 | A novel excitation controller using support vector machines and approximate models. Journal of Control Theory and Applications, 2008, 6, 239-245. | 0.8 | 0 |
| 243 | Gene selection using genetic algorithm and support vectors machines. Soft Computing, 2008, 12, 693-698. | 2.1 | 55 |
| 244 | Gene selection using hybrid particle swarm optimization and genetic algorithm. Soft Computing, 2008, 12, 1039-1048. | 2.1 | 119 |
| 245 | Multifocus image fusion using region segmentation and spatial frequency. Image and Vision Computing, 2008, 26, 971-979. | 2.7 | 399 |
| 246 | MULTISENSOR REMOTE SENSING IMAGE FUSION USING STATIONARY WAVELET TRANSFORM: EFFECTS OF BASIS AND DECOMPOSITION LEVEL. International Journal of Wavelets, Multiresolution and Information Processing, 2008, 06, 37-50. | 0.9 | 24 |
| 247 | Region-Based Color Fusion Method for Visible and IR Image Sequences. , 2008, , . | | 9 |
| 248 | Region-based multi-focus image fusion. , 2008, , 343-365. | | 8 |
| 249 | Nonsubsampled Contourlet Transform for Texture Classifications using Support Vector Machines. , 2008, , . | | 3 |
| 250 | ADASYN: Adaptive synthetic sampling approach for imbalanced learning. , 2008, , . | | 656 |
| 251 | A Classification Method for the Dirty Factor of Banknotes Based on Neural Network with Sine Basis Functions. , 2008, , . | | 3 |
| 252 | Multi-source Remote Sensing Image Fusion Based on Nonsubsampled Contourlet Transform. , 2008, , . | | 0 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 253 | A new color image fusion method for visible and infrared images. , 2007, , . | | 2 |
| 254 | Gene Selection and Tissue Classification Based on Support Vector Machine and Genetic Algorithm. , 2007, , . | | 4 |
| 255 | A novel face recognition method based on Principal Component Analysis and Kernel Partial Least Squares. , 2007, , . | | 3 |
| 256 | Image Fusion Using Nonsubsampled Contourlet Transform. , 2007, , . | | 63 |
| 257 | Skew detection using wavelet decomposition and projection profile analysis. Pattern Recognition Letters, 2007, 28, 555-562. | 2.6 | 59 |
| 258 | Learning the Kernel in Mahalanobis One-Class Support Vector Machines. , 2006, , . | | 17 |
| 259 | Multimodal Registration using the Discrete Wavelet Frame Transform. , 2006, , . | | 4 |
| 260 | Gene Selection for Cancer Classification using Wilcoxon Rank Sum Test and Support Vector Machine. , 2006, , . | | 27 |
| 261 | Wavelet-Based Feature Extraction for Microarray Data Classification. , 2006, , . | | 16 |
| 262 | Comparison and fusion of multiresolution features for texture classification. Pattern Recognition Letters, 2005, 26, 633-638. | 2.6 | 62 |
| 263 | Page segmentation using mathematical morphology. , 2005, , . | | 0 |
| 264 | Fusing Images With Different Focuses Using Support Vector Machines. IEEE Transactions on Neural Networks, 2004, 15, 1555-1561. | 4.8 | 125 |
| 265 | Texture classification using the support vector machines. Pattern Recognition, 2003, 36, 2883-2893. | 5.1 | 180 |
| 266 | Using the discrete wavelet frame transform to merge Landsat TM and SPOT panchromatic images. Information Fusion, 2002, 3, 17-23. | 11.7 | 287 |
| 267 | Multifocus image fusion using artificial neural networks. Pattern Recognition Letters, 2002, 23, 985-997. | 2.6 | 273 |
| 268 | Design of low-voltage and low-power fully integrated filter based on log-domain current-mode integrator. Journal of Electronics, 2001, 18, 346-350. | 0.2 | 0 |
| 269 | Combination of images with diverse focuses using the spatial frequency. Information Fusion, 2001, 2, 169-176. | 11.7 | 374 |
| 270 | Discrete multiwavelet transform method to fusing Landsat-7 panchromatic image and multi-spectral images. , 0, , . | | 0 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 271 | Text extraction using edge detection and morphological dilation. , 0, , . | | 4 |
| 272 | Wavelet-Based Feature Extraction for Microarray Data Classification. , 0, , . | | 0 |
| 273 | Learning the Kernel in Mahalanobis One-Class Support Vector Machines. , 0, , . | | 0 |