

# Xuelong Li

## List of Publications by Year in descending order

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756  
papers

46,480  
citations

1606

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179  
g-index

763  
all docs

763  
docs citations

763  
times ranked

26361  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Detection of Small Aerial Object Using Random Projection Feature With Region Clustering. IEEE Transactions on Cybernetics, 2022, 52, 3957-3970.                                       | 6.2 | 12        |
| 2  | Learning Cross-Modal Common Representations by Private-Shared Subspaces Separation. IEEE Transactions on Cybernetics, 2022, 52, 3261-3275.  | 6.2 | 24        |
| 3  | Subspace Sparse Discriminative Feature Selection. IEEE Transactions on Cybernetics, 2022, 52, 4221-4233.  | 6.2 | 26        |
| 4  | Enhanced Discrete Multi-Modal Hashing: More Constraints Yet Less Time to Learn. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 1177-1190.                             | 4.0 | 13        |
| 5  | Evolutionary Markov Dynamics for Network Community Detection. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 1206-1220.   | 4.0 | 52        |
| 6  | Unsupervised Discriminative Projection for Feature Selection. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 942-953.   | 4.0 | 18        |
| 7  | Multi-View K-Means Clustering With Adaptive Sparse Memberships and Weight Allocation. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 816-827.                         | 4.0 | 30        |
| 8  | Style Transformation-Based Spatial-Spectral Feature Learning for Unsupervised Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.                   | 2.7 | 18        |
| 9  | Locality Adaptive Discriminant Analysis Framework. IEEE Transactions on Cybernetics, 2022, 52, 7291-7302.   | 6.2 | 11        |
| 10 | Unsupervised Feature Selection With Extended OLSDA via Embedding Nonnegative Manifold Structure. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2274-2280.      | 7.2 | 8         |
| 11 | Spatio-Temporal Online Matrix Factorization for Multi-Scale Moving Objects Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 743-757.              | 5.6 | 6         |
| 12 | Truncated Robust Principle Component Analysis With A General Optimization Framework. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1081-1097.             | 9.7 | 22        |
| 13 | Fast Fuzzy Clustering Based on Anchor Graph. IEEE Transactions on Fuzzy Systems, 2022, 30, 2375-2387.   | 6.5 | 19        |
| 14 | Unsupervised Feature Selection via Adaptive Graph Learning and Constraint. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1355-1362.                            | 7.2 | 34        |
| 15 | Real-Time Video Emotion Recognition Based on Reinforcement Learning and Domain Knowledge. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1034-1047.        | 5.6 | 80        |
| 16 | Hyperspectral Unmixing Using Nonlocal Similarity-Regularized Low-Rank Tensor Factorization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.                       | 2.7 | 10        |
| 17 | Learning Adaptive Target-and-Surrounding Soft Mask for Correlation Filter Based Visual Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3708-3721. | 5.6 | 1         |
| 18 | Adaptive Relationship Preserving Sparse NMF for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.   | 2.7 | 11        |

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|----|--|-----|-----------|
| 19 | Convex Non-Negative Matrix Factorization With Adaptive Graph for Unsupervised Feature Selection. IEEE Transactions on Cybernetics, 2022, 52, 5522-5534.  | 6.2 | 36        |
| 20 | Looking Closer at the Scene: Multiscale Representation Learning for Remote Sensing Image Scene Classification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1414-1428. | 7.2 | 86        |
| 21 | Unsupervised Feature Selection With Constrained $\hat{a}$ , $\hat{a}$ , $\hat{a}$ -Norm and Optimized Graph. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1702-1713.   | 7.2 | 21        |
| 22 | Multiview Clustering: A Scalable and Parameter-Free Bipartite Graph Fusion Method. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 330-344.                          | 9.7 | 125       |
| 23 | Unsupervised Hyperspectral Band Selection Based on Hypergraph Spectral Clustering. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.  | 1.4 | 8         |
| 24 | Hierarchical multimodal transformer to summarize videos. Neurocomputing, 2022, 468, 360-369.   | 3.5 | 31        |
| 25 | Knowledge tensor embedding framework with association enhancement for breast ultrasound diagnosis of limited labeled samples. Neurocomputing, 2022, 468, 60-70.                                | 3.5 | 19        |
| 26 | Noise Removal in Embedded Image With Bit Approximation. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 1359-1369.  | 4.0 | 4         |
| 27 | Self-weighting multi-view spectral clustering based on nuclear norm. Pattern Recognition, 2022, 124, 108429.   | 5.1 | 14        |
| 28 | Robust doubly stochastic graph clustering. Neurocomputing, 2022, 475, 15-25.   | 3.5 | 1         |
| 29 | Entropy regularization for unsupervised clustering with adaptive neighbors. Pattern Recognition, 2022, 125, 108517.  | 5.1 | 15        |
| 30 | Adaptive-order proximity learning for graph-based clustering. Pattern Recognition, 2022, 126, 108550.  | 5.1 | 9         |
| 31 | Semi-supervised learning based on intra-view heterogeneity and inter-view compatibility for image classification. Neurocomputing, 2022, 488, 248-260.  | 3.5 | 6         |
| 32 | Locality Constrained Low Rank Representation and Automatic Dictionary Learning for Hyperspectral Anomaly Detection. Remote Sensing, 2022, 14, 1327.  | 1.8 | 7         |
| 33 | Eagle-Eye-Inspired Attention for Object Detection in Remote Sensing. Remote Sensing, 2022, 14, 1743.   | 1.8 | 5         |
| 34 | When multi-view classification meets ensemble learning. Neurocomputing, 2022, 490, 17-29.  | 3.5 | 2         |
| 35 | A general soft-balanced clustering framework based on a novel balance regularizer. Signal Processing, 2022, 198, 108572.   | 2.1 | 2         |
| 36 | Multiple Kernel K-Means Clustering with Simultaneous Spectral Rotation. , 2022, , .  |     | 6         |

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|----|--|-----|-----------|
| 37 | Robust kernel principal component analysis with optimal mean. <i>Neural Networks</i> , 2022, 152, 347-352.   | 3.3 | 18        |
| 38 | Anatomical prior based vertebra modelling for reappearance of human spines. <i>Neurocomputing</i> , 2022, 500, 750-760.  | 3.5 | 41        |
| 39 | Unified dual-label semi-supervised learning with top-k feature selection. <i>Neurocomputing</i> , 2022, 501, 875-888.  | 3.5 | 3         |
| 40 | Synchronous Fault-Tolerant Near-Optimal Control for Discrete-Time Nonlinear PE Game. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 4432-4444.       | 7.2 | 10        |
| 41 | Manifold Transfer Learning via Discriminant Regression Analysis. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 2056-2070.   | 5.2 | 22        |
| 42 | Regularized Regression With Fuzzy Membership Embedding for Unsupervised Feature Selection. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 3743-3753.                        | 6.5 | 13        |
| 43 | Concept Factorization With Local Centroids. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 5247-5253.  | 7.2 | 8         |
| 44 | Large Graph Clustering With Simultaneous Spectral Embedding and Discretization. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021, 43, 4426-4440.       | 9.7 | 46        |
| 45 | Fast Semi-Supervised Learning With Optimal Bipartite Graph. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021, 33, 3245-3257.                                      | 4.0 | 14        |
| 46 | TTH-RNN: Tensor-Train Hierarchical Recurrent Neural Network for Video Summarization. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 3629-3637.                     | 5.2 | 46        |
| 47 | Autoencoder Constrained Clustering With Adaptive Neighbors. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 443-449.                                  | 7.2 | 36        |
| 48 | Data Clustering via Uncorrelated Ridge Regression. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 450-456.   | 7.2 | 7         |
| 49 | Denoising-Based Multiscale Feature Fusion for Remote Sensing Image Captioning. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 436-440.                              | 1.4 | 43        |
| 50 | Vision-to-Language Tasks Based on Attributes and Attention Mechanism. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 913-926.   | 6.2 | 31        |
| 51 | A Fast Neighborhood Grouping Method for Hyperspectral Band Selection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 5028-5039.                             | 2.7 | 80        |
| 52 | Compact Interchannel Sampling Difference Descriptor for Color Texture Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 1684-1696. | 5.6 | 3         |
| 53 | Robust Multi-Task Learning With Flexible Manifold Constraint. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021, 43, 2150-2157.                         | 9.7 | 20        |
| 54 | Low Rank Regularization: A review. <i>Neural Networks</i> , 2021, 136, 218-232.  | 3.3 | 40        |

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|----|--|-----|-----------|
| 55 | Hyperspectral and Multispectral Image Fusion via Nonlocal Low-Rank Tensor Approximation and Sparse Representation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 550-562.                | 2.7 | 37        |
| 56 | SSR-NET: Spatial Spectral Reconstruction Network for Hyperspectral and Multispectral Image Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5953-5965.                              | 2.7 | 87        |
| 57 | Towards Robust Discriminative Projections Learning via Non-Greedy $\ell_1$ -Norm MinMax. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2086-2100.                            | 9.7 | 53        |
| 58 | Reconstructive Sequence-Graph Network for Video Summarization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.  | 9.7 | 36        |
| 59 | Tilt Correction Toward Building Detection of Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5854-5866.                               | 2.3 | 8         |
| 60 | Hierarchical Edge Refinement Network for Saliency Detection. IEEE Transactions on Image Processing, 2021, 30, 7567-7577.   | 6.0 | 9         |
| 61 | Coordinate Descent Method for k-means. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.  | 9.7 | 11        |
| 62 | Triple discriminator generative adversarial network for zero-shot image classification. Science China Information Sciences, 2021, 64, 1.   | 2.7 | 16        |
| 63 | Dense Prediction and Local Fusion of Superpixels: A Framework for Breast Anatomy Segmentation in Ultrasound Image With Scarce Data. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8. | 2.4 | 28        |
| 64 | Unsupervised and Semisupervised Projection With Graph Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1547-1559.  | 7.2 | 32        |
| 65 | Dependence-Guided Multi-View Clustering. , 2021, , .   |     | 1         |
| 66 | Tolerating Data Missing in Breast Cancer Diagnosis from Clinical Ultrasound Reports via Knowledge Graph Inference. , 2021, , .   |     | 13        |
| 67 | Effective Gait Feature Extraction Using Temporal Fusion And Spatial Partial. , 2021, , .   |     | 2         |
| 68 | Progressive Spatio-Temporal Feature Extraction Model For Gait Recognition. , 2021, , .   |     | 2         |
| 69 | Simultaneous Segmentation of Fetal Hearts and Lungs for Medical Ultrasound Images via an Efficient Multi-scale Model Integrated With Attention Mechanism. Ultrasonic Imaging, 2021, 43, 308-319.         | 1.4 | 10        |
| 70 | Robust hyperspectral unmixing based on dual views with adaptive weights. Neurocomputing, 2021, 461, 204-216.   | 3.5 | 4         |
| 71 | Joint nonlinear feature selection and continuous values regression network. Pattern Recognition Letters, 2021, 150, 197-206.   | 2.6 | 2         |
| 72 | Exploring the Relationship Between 2D/3D Convolution for Hyperspectral Image Super-Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8693-8703.                                  | 2.7 | 82        |

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|----|--|------|-----------|
| 73 | Density saliency for clustered building detection and population capacity estimation. <i>Neurocomputing</i> , 2021, 458, 127-140.  | 3.5  | 7         |
| 74 | A semi-supervised zero-shot image classification method based on soft-target. <i>Neural Networks</i> , 2021, 143, 88-96.   | 3.3  | 8         |
| 75 | Robust Matrix Factorization With Spectral Embedding. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 5698-5707.                                     | 7.2  | 12        |
| 76 | Adaptive Flexible Optimal Graph for Unsupervised Dimensionality Reduction. <i>IEEE Signal Processing Letters</i> , 2021, 28, 2162-2166.  | 2.1  | 5         |
| 77 | Spatial-Spectral Hyperspectral Image Classification Via Multiple Random Anchor Graphs Ensemble Learning. , 2021, , .   |      | 2         |
| 78 | New Tight Relaxations of Rank Minimization for Multi-Task Learning. , 2021, , .  |      | 1         |
| 79 | Semisupervised Band Selection With Graph Optimization for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 10298-10311. | 2.7  | 20        |
| 80 | Wordâ€“Sentence Framework for Remote Sensing Image Captioning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 10532-10543.                                | 2.7  | 43        |
| 81 | OpenMRE: A Numerical Platform for MRE Study. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 1111-1121.   | 5.9  | 5         |
| 82 | Spectral Clustering by Joint Spectral Embedding and Spectral Rotation. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 247-258.  | 6.2  | 60        |
| 83 | Double Relaxed Regression for Image Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020, 30, 307-319.                                   | 5.6  | 29        |
| 84 | On Combining Biclustering Mining and AdaBoost for Breast Tumor Classification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020, 32, 728-738.                   | 4.0  | 101       |
| 85 | Multiview Semi-Supervised Learning Model for Image Classification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020, 32, 2389-2400.                             | 4.0  | 34        |
| 86 | Canonical Correlation Analysis With $L_{2,1}$ -Norm for Multiview Data Representation. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 4772-4782.                            | 6.2  | 26        |
| 87 | Video Summarization With Attention-Based Encoderâ€“Decoder Networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020, 30, 1709-1717.                | 5.6  | 196       |
| 88 | Parameter-Free Weighted Multi-View Projected Clustering with Structured Graph Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020, 32, 2014-2025.        | 4.0  | 48        |
| 89 | Automated Trading Point Forecasting Based on Bicluster Mining and Fuzzy Inference. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 259-272.                                | 6.5  | 19        |
| 90 | Multi-view spectral clustering via integrating nonnegative embedding and spectral embedding. <i>Information Fusion</i> , 2020, 55, 251-259.                                      | 11.7 | 123       |

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|-----|--|-----|-----------|
| 91  | Meta Learning for Task-Driven Video Summarization. IEEE Transactions on Industrial Electronics, 2020, 67, 5778-5786.   | 5.2 | 11        |
| 92  | Supervised Dimensionality Reduction Methods via Recursive Regression. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3269-3279.                                | 7.2 | 14        |
| 93  | Discriminative and Uncorrelated Feature Selection With Constrained Spectral Analysis in Unsupervised Learning. IEEE Transactions on Image Processing, 2020, 29, 2139-2149.           | 6.0 | 35        |
| 94  | Adaptive Robust Low-Rank 2-D Reconstruction With Steerable Sparsity. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3754-3759.                                 | 7.2 | 2         |
| 95  | Latent Elastic-Net Transfer Learning. IEEE Transactions on Image Processing, 2020, 29, 2820-2833.  | 6.0 | 15        |
| 96  | Robust Flexible Preserving Embedding. IEEE Transactions on Cybernetics, 2020, 50, 4495-4507.   | 6.2 | 15        |
| 97  | Property-Constrained Dual Learning for Video Summarization. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3989-4000.  | 7.2 | 47        |
| 98  | High-Level Semantic Networks for Multi-Scale Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3372-3386.                                  | 5.6 | 53        |
| 99  | SRSC: Selective, Robust, and Supervised Constrained Feature Representation for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4290-4302. | 7.2 | 26        |
| 100 | Classification of breast ultrasound with human-rating BI-RADS scores using mined diagnostic patterns and optimized neuro-network. Neurocomputing, 2020, 417, 536-542.                | 3.5 | 4         |
| 101 | Hierarchical Feature Fusion Network for Salient Object Detection. IEEE Transactions on Image Processing, 2020, 29, 9165-9175.  | 6.0 | 37        |
| 102 | Projective Double Reconstructions Based Dictionary Learning Algorithm for Cross-Domain Recognition. IEEE Transactions on Image Processing, 2020, 29, 9220-9233.                      | 6.0 | 10        |
| 103 | Hyperspectral Band Selection via Optimal Neighborhood Reconstruction. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8465-8476.                                       | 2.7 | 66        |
| 104 | Mixed 2D/3D Convolutional Network for Hyperspectral Image Super-Resolution. Remote Sensing, 2020, 12, 1660.  | 1.8 | 79        |
| 105 | Nonlocal Graph Convolutional Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8246-8257.                               | 2.7 | 165       |
| 106 | Cross-diffusion on multiplex networks. New Journal of Physics, 2020, 22, 053047.   | 1.2 | 17        |
| 107 | Multiple Features and Isolation Forest-Based Fast Anomaly Detector for Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6664-6676.               | 2.7 | 29        |
| 108 | Robust Bi-stochastic Graph Regularized Matrix Factorization for Data Clustering. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 44, 1-1.                      | 9.7 | 40        |

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|-----|--|-----|-----------|
| 109 | Deep reinforcement learning based lane detection and localization. Neurocomputing, 2020, 413, 328-338.   | 3.5 | 26        |
| 110 | Cross-modal guidance based auto-encoder for multi-video summarization. Pattern Recognition Letters, 2020, 135, 131-137.  | 2.6 | 13        |
| 111 | Low-rank discriminative regression learning for image classification. Neural Networks, 2020, 125, 245-257.   | 3.3 | 10        |
| 112 | Auto-weighted multi-view clustering via spectral embedding. Neurocomputing, 2020, 399, 369-379.  | 3.5 | 35        |
| 113 | Siamese Dilated Inception Hashing With Intra-Group Correlation Enhancement for Image Retrieval. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3032-3046.            | 7.2 | 5         |
| 114 | Auto-weighted multi-view co-clustering via fast matrix factorization. Pattern Recognition, 2020, 102, 107207.  | 5.1 | 55        |
| 115 | Toward improving ECG biometric identification using cascaded convolutional neural networks. Neurocomputing, 2020, 391, 83-95.  | 3.5 | 72        |
| 116 | Measurement of Quasi-Static 3-D Knee Joint Movement Based on the Registration From CT to US. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1141-1150. | 1.7 | 6         |
| 117 | Self-Weighted Clustering With Adaptive Neighbors. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3428-3441.  | 7.2 | 30        |
| 118 | Adaptive Hashing With Sparse Matrix Factorization. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4318-4329.   | 7.2 | 15        |
| 119 | Segmentation of breast ultrasound image with semantic classification of superpixels. Medical Image Analysis, 2020, 61, 101657.   | 7.0 | 146       |
| 120 | Quantifying and Detecting Collective Motion in Crowd Scenes. IEEE Transactions on Image Processing, 2020, 29, 5571-5583.   | 6.0 | 25        |
| 121 | Supervised deep hashing with a joint deep network. Pattern Recognition, 2020, 105, 107368.   | 5.1 | 30        |
| 122 | Double explosive transitions to synchronization and cooperation in intertwined dynamics and evolutionary games. New Journal of Physics, 2020, 22, 123026.                                  | 1.2 | 15        |
| 123 | Hyperspectral and Multispectral Image Fusion Using Non-Convex Relaxation Low Rank and Total Variation Regularization. , 2020, , .  |     | 3         |
| 124 | Relationships Excavating of Augmented Feature for Remote Sensing Scene Classification. , 2020, , .   |     | 0         |
| 125 | A Bilinear Ranking SVM for Knowledge Based Relation Prediction and Classification. IEEE Transactions on Big Data, 2019, 5, 588-600.  | 4.4 | 2         |
| 126 | Describing Video With Attention-Based Bidirectional LSTM. IEEE Transactions on Cybernetics, 2019, 49, 2631-2641.   | 6.2 | 179       |



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|-----|--|-----|-----------|
| 127 | GETNET: A General End-to-End 2-D CNN Framework for Hyperspectral Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3-13.                                 | 2.7 | 392       |
| 128 | Does being multi-headed make you better at solving problems? A survey of Physarum-based models and computations. Physics of Life Reviews, 2019, 29, 1-26.                                    | 1.5 | 48        |
| 129 | Efficient Feature Selection via $\ell_{2,0}$ -norm Constrained Sparse Regression. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 880-893.                                    | 4.0 | 62        |
| 130 | Semisupervised Learning With Parameter-Free Similarity of Label and Side Information. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 405-414.                          | 7.2 | 13        |
| 131 | From Deterministic to Generative: Multimodal Stochastic RNNs for Video Captioning. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3047-3058.                           | 7.2 | 160       |
| 132 | Spectral Embedded Adaptive Neighbors Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1265-1271.   | 7.2 | 114       |
| 133 | Flexible Affinity Matrix Learning for Unsupervised and Semisupervised Classification. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1133-1149.                        | 7.2 | 31        |
| 134 | Locality and Structure Regularized Low Rank Representation for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 911-923.                    | 2.7 | 184       |
| 135 | Structurally Incoherent Low-Rank 2DLPP for Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1701-1714.  | 5.6 | 20        |
| 136 | K-Multiple-Means. , 2019, , .  |     | 62        |
| 137 | Semantic Descriptions of High-Resolution Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1274-1278.   | 1.4 | 74        |
| 138 | Physarum inspires research beyond biomimetic algorithms. Physics of Life Reviews, 2019, 29, 51-54.   | 1.5 | 3         |
| 139 | Scoliotic Imaging With a Novel Double-Sweep 2.5-Dimensional Extended Field-of-View Ultrasound. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1304-1315. | 1.7 | 18        |
| 140 | An efficient framework for unsupervised feature selection. Neurocomputing, 2019, 366, 194-207.   | 3.5 | 16        |
| 141 | Stacked Fisher autoencoder for SAR change detection. Pattern Recognition, 2019, 96, 106971.  | 5.1 | 54        |
| 142 | Weather recognition via classification labels and weather-cue maps. Pattern Recognition, 2019, 95, 272-284.  | 5.1 | 28        |
| 143 | A Three-Dimensional Quasi-static Ultrasound Strain Imaging System Using A 6-DoF Robotic Arm. , 2019, , .   |     | 1         |
| 144 | CAM-RNN: Co-Attention Model Based RNN for Video Captioning. IEEE Transactions on Image Processing, 2019, 28, 5552-5565.  | 6.0 | 97        |

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|-----|---|-----|-----------|
| 145 | A Classification-Based Model for Multi-Objective Hyperspectral Sparse Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9612-9625.                      | 2.7 | 26        |
| 146 | The effect of multigame on cooperation in spatial network. Applied Mathematics and Computation, 2019, 351, 162-167.   | 1.4 | 32        |
| 147 | Fusion by synthesizing: A multi-view deep neural network for zero-shot recognition. Signal Processing, 2019, 164, 354-367.  | 2.1 | 10        |
| 148 | Deep smoke segmentation. Neurocomputing, 2019, 357, 248-260.  | 3.5 | 85        |
| 149 | Scalable Graph-Based Clustering With Nonnegative Relaxation for Large Hyperspectral Image. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7352-7364.           | 2.7 | 56        |
| 150 | Weakly Supervised Adversarial Domain Adaptation for Semantic Segmentation in Urban Scenes. IEEE Transactions on Image Processing, 2019, 28, 4376-4386.                        | 6.0 | 177       |
| 151 | Unsupervised Deep Noise Modeling for Hyperspectral Image Change Detection. Remote Sensing, 2019, 11, 258.   | 1.8 | 87        |
| 152 | An Efficient Clustering Method for Hyperspectral Optimal Band Selection via Shared Nearest Neighbor. Remote Sensing, 2019, 11, 350.   | 1.8 | 27        |
| 153 | Automatic ultrasound scanning system based on robotic arm. Science China Information Sciences, 2019, 62, 1.   | 2.7 | 5         |
| 154 | Determination of Temporal Stock Investment Styles via Biclustering Trading Patterns. Cognitive Computation, 2019, 11, 799-808.  | 3.6 | 5         |
| 155 | Co-occurrence matching of local binary patterns for improving visual adaption and its application to smoke recognition. IET Computer Vision, 2019, 13, 178-187.               | 1.3 | 8         |
| 156 | Multi-video summarization with query-dependent weighted archetypal analysis. Neurocomputing, 2019, 332, 406-416.  | 3.5 | 14        |
| 157 | Exploiting spatial relation for fine-grained image classification. Pattern Recognition, 2019, 91, 47-55.  | 5.1 | 36        |
| 158 | A Multi-Task Architecture for Remote Sensing by Joint Scene Classification and Image Quality Assessment. , 2019, , .  |     | 1         |
| 159 | Hierarchical Shot Detector. , 2019, , .   |     | 55        |
| 160 | Triply Supervised Decoder Networks for Joint Detection and Segmentation. , 2019, , .  |     | 42        |
| 161 | Hyperspectral Band Selection via Adaptive Subspace Partition Strategy. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4940-4950. | 2.3 | 104       |
| 162 | Deeply Encoding Stable Patterns From Contaminated Data for Scenery Image Recognition. IEEE Transactions on Cybernetics, 2019, , 1-10.   | 6.2 | 2         |



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