

# Yipeng Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

126  
papers

8,369  
citations

76196

40  
h-index

49773

87  
g-index

129  
all docs

129  
docs citations

129  
times ranked

7100  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Stagewise Unsupervised Domain Adaptation With Adversarial Self-Training for Road Segmentation of Remote-Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.   | 2.7 | 59        |
| 2  | Hyperspectral Anomaly Detection Based on Machine Learning: An Overview. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3351-3364.  | 2.3 | 31        |
| 3  | Artificial Intelligence for Remote Sensing Data Analysis: A review of challenges and opportunities. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 270-294.   | 4.9 | 140       |
| 4  | Nonlocal Low-Rank Tensor Completion for Visual Data. IEEE Transactions on Cybernetics, 2021, 51, 673-685.   | 6.2 | 105       |
| 5  | Discriminative subspace matrix factorization for multiview data clustering. Pattern Recognition, 2021, 111, 107676.   | 5.1 | 56        |
| 6  | Incorporating Distribution Matching into Uncertainty for Multiple Kernel Active Learning. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 128-142.   | 4.0 | 37        |
| 7  | LocalDrop: A Hybrid Regularization for Deep Neural Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.   | 9.7 | 4         |
| 8  | Dynamic Selection Network for Image Inpainting. IEEE Transactions on Image Processing, 2021, 30, 1784-1798.   | 6.0 | 87        |
| 9  | Traffic Density Reduction Caused by City Lockdowns Across the World During the COVID-19 Epidemic: From the View of High-Resolution Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5180-5193. | 2.3 | 8         |
| 10 | Homologous Component Analysis for Domain Adaptation. IEEE Transactions on Image Processing, 2020, 29, 1074-1089.  | 6.0 | 22        |
| 11 | Transferable heterogeneous feature subspace learning for JPEG mismatched steganalysis. Pattern Recognition, 2020, 100, 107105.  | 5.1 | 12        |
| 12 | Multiscale Dynamic Graph Convolutional Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3162-3177.   | 2.7 | 279       |
| 13 | Robust face alignment by cascaded regression and de-occlusion. Neural Networks, 2020, 123, 261-272.   | 3.3 | 24        |
| 14 | Recurrent Feature Reasoning for Image Inpainting. , 2020, , .   |     | 240       |
| 15 | Data-augmented matched subspace detector for hyperspectral subpixel target detection. Pattern Recognition, 2020, 106, 107464.   | 5.1 | 16        |
| 16 | Multistage attention network for image inpainting. Pattern Recognition, 2020, 106, 107448.  | 5.1 | 88        |
| 17 | Learning From Synthetic Images via Active Pseudo-Labeling. IEEE Transactions on Image Processing, 2020, 29, 6452-6465.  | 6.0 | 24        |
| 18 | Parallel discriminative subspace for city target detection from high dimension images. Geoinformatica, 2020, , 1.   | 2.0 | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Robust learning with imperfect privileged information. <i>Artificial Intelligence</i> , 2020, 282, 103246.  | 3.9 | 26        |
| 20 | Unsupervised domain adaptive re-identification: Theory and practice. <i>Pattern Recognition</i> , 2020, 102, 107173.  | 5.1 | 230       |
| 21 | Dimensionality Reduction With Enhanced Hybrid-Graph Discriminant Learning for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 5336-5353.        | 2.7 | 180       |
| 22 | Learning selection channels for image steganalysis in spatial domain. <i>Neurocomputing</i> , 2020, 401, 78-90.   | 3.5 | 14        |
| 23 | Global context based automatic road segmentation via dilated convolutional neural network. <i>Information Sciences</i> , 2020, 535, 156-171.  | 4.0 | 119       |
| 24 | On combining active and transfer learning for medical data classification. <i>IET Computer Vision</i> , 2019, 13, 194-205.  | 1.3 | 16        |
| 25 | Can We Track Targets From Space? A Hybrid Kernel Correlation Filter Tracker for Satellite Video. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 8719-8731.                         | 2.7 | 46        |
| 26 | Self-Paced Subspace Clustering. , 2019, , .   |     | 1         |
| 27 | MSDH: Matched subspace detector with heterogeneous noise. <i>Pattern Recognition Letters</i> , 2019, 125, 701-707.  | 2.6 | 5         |
| 28 | A robust dimensionality reduction and matrix factorization framework for data clustering. <i>Pattern Recognition Letters</i> , 2019, 128, 440-446.  | 2.6 | 13        |
| 29 | Regularised transfer learning for hyperspectral image classification. <i>IET Computer Vision</i> , 2019, 13, 188-193.   | 1.3 | 11        |
| 30 | Locally Weighted Discriminant Analysis for Hyperspectral Image Classification. <i>Remote Sensing</i> , 2019, 11, 109.   | 1.8 | 15        |
| 31 | Tracking Objects From Satellite Videos: A Velocity Feature Based Correlation Filter. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 7860-7871.                                     | 2.7 | 62        |
| 32 | Domain Transfer Learning for Hyperspectral Image Super-Resolution. <i>Remote Sensing</i> , 2019, 11, 694.   | 1.8 | 13        |
| 33 | Hyperspectral image unsupervised classification by robust manifold matrix factorization. <i>Information Sciences</i> , 2019, 485, 154-169.  | 4.0 | 204       |
| 34 | Progressive Reconstruction of Visual Structure for Image Inpainting. , 2019, , .  |     | 105       |
| 35 | Fast Spatio-Temporal Residual Network for Video Super-Resolution. , 2019, , .   |     | 88        |
| 36 | On Gleaning Knowledge From Cross Domains by Sparse Subspace Correlation Analysis for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 3204-3220. | 2.7 | 14        |

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|----|--|-----|-----------|
| 37 | Robust Graph-Based Semisupervised Learning for Noisy Labeled Data via Maximum Correntropy Criterion. IEEE Transactions on Cybernetics, 2019, 49, 1440-1453.                | 6.2 | 75        |
| 38 | Feature Learning Using Spatial-Spectral Hypergraph Discriminant Analysis for Hyperspectral Image. IEEE Transactions on Cybernetics, 2019, 49, 2406-2419.                   | 6.2 | 254       |
| 39 | Self-Ensembling Attention Networks: Addressing Domain Shift for Semantic Segmentation. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5581-5588. | 3.6 | 44        |
| 40 | MUSICAL: Multi-Scale Image Contextual Attention Learning for Inpainting. , 2019, , .   |     | 61        |
| 41 | Accelerated Inference Framework of Sparse Neural Network Based on Nested Bitmask Structure. , 2019, , .  |     | 4         |
| 42 | Pseudo Supervised Matrix Factorization in Discriminative Subspace. , 2019, , .   |     | 2         |
| 43 | Simultaneous Spectral-Spatial Feature Selection and Extraction for Hyperspectral Images. IEEE Transactions on Cybernetics, 2018, 48, 16-28.                                | 6.2 | 217       |
| 44 | Evaluation of constraints to water quality improvements in the Western Lake Erie Basin. Journal of Environmental Management, 2018, 205, 85-98.                             | 3.8 | 21        |
| 45 | Discriminatively guided filtering (DGF) for hyperspectral image classification. Neurocomputing, 2018, 275, 1981-1987.  | 3.5 | 7         |
| 46 | Defect Detection from UAV Images Based on Region-Based CNNs. , 2018, , .   |     | 15        |
| 47 | TLR: Transfer Latent Representation for Unsupervised Domain Adaptation. , 2018, , .  |     | 9         |
| 48 | Independent Feature and Label Components for Multi-label Classification. , 2018, , .   |     | 2         |
| 49 | Discriminant Spatial-Spectral Hypergraph Learning for Hyperspectral Image Classification. , 2018, , .  |     | 2         |
| 50 | Hyperspectral Image Classification Based on Two-Stage Subspace Projection. Remote Sensing, 2018, 10, 1565.   | 1.8 | 11        |
| 51 | A novel co-training approach for urban land cover mapping with unclear Landsat time series imagery. Remote Sensing of Environment, 2018, 217, 144-157.                     | 4.6 | 32        |
| 52 | R-SVM+: Robust Learning with Privileged Information. , 2018, , .   |     | 7         |
| 53 | Self-Representative Manifold Concept Factorization with Adaptive Neighbors for Clustering. , 2018, , .   |     | 13        |
| 54 | Exploring Representativeness and Informativeness for Active Learning. IEEE Transactions on Cybernetics, 2017, 47, 14-26.   | 6.2 | 136       |

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|----|---|-----|-----------|
| 55 | Stacked Convolutional Denoising Auto-Encoders for Feature Representation. IEEE Transactions on Cybernetics, 2017, 47, 1017-1027.  | 6.2 | 328       |
| 56 | Iterative Reweighting Heterogeneous Transfer Learning Framework for Supervised Remote Sensing Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2022-2035.                  | 2.3 | 77        |
| 57 | Dimensionality Reduction and Classification of Hyperspectral Images Using Ensemble Discriminative Local Metric Learning. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 2509-2524.   | 2.7 | 110       |
| 58 | Real-time tracking based on weighted compressive tracking and a cognitive memory model. Signal Processing, 2017, 139, 173-181.  | 2.1 | 10        |
| 59 | A Sparse and Low-Rank Near-Isometric Linear Embedding Method for Feature Extraction in Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4032-4046.                                       | 2.7 | 81        |
| 60 | A spectral clustering based method for hyperspectral urban image. , 2017, , .   |     | 8         |
| 61 | A Novel Semisupervised Active-Learning Algorithm for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3071-3083.   | 2.7 | 98        |
| 62 | LAM3L: Locally adaptive maximum margin metric learning for visual data classification. Neurocomputing, 2017, 235, 1-9.  | 3.5 | 8         |
| 63 | GPU Parallel Implementation of Isometric Mapping for Hyperspectral Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1532-1536.   | 1.4 | 38        |
| 64 | Robust Dual Clustering with Adaptive Manifold Regularization. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2498-2509.   | 4.0 | 27        |
| 65 | PLTD: Patch-Based Low-Rank Tensor Decomposition for Hyperspectral Images. IEEE Transactions on Multimedia, 2017, 19, 67-79.   | 5.2 | 137       |
| 66 | Exploring Locally Adaptive Dimensionality Reduction for Hyperspectral Image Classification: A Maximum Margin Metric Learning Aspect. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1136-1150. | 2.3 | 19        |
| 67 | Combining local and global: Rich and robust feature pooling for visual recognition. Pattern Recognition, 2017, 62, 225-235.   | 5.1 | 27        |
| 68 | A Mutation Operator Accelerated Quantum-Behaved Particle Swarm Optimization Algorithm for Hyperspectral Endmember Extraction. Remote Sensing, 2017, 9, 197.   | 1.8 | 29        |
| 69 | Multi-class active learning: A hybrid informative and representative criterion inspired approach. , 2017, , .   |     | 1         |
| 70 | Robust and Discriminative Labeling for Multi-Label Active Learning Based on Maximum Correntropy Criterion. IEEE Transactions on Image Processing, 2017, 26, 1694-1707.  | 6.0 | 77        |
| 71 | On Gleaning Knowledge from Multiple Domains for Active Learning. , 2017, , .  |     | 3         |
| 72 | Adaptive Manifold Regularized Matrix Factorization for Data Clustering. , 2017, , .   |     | 35        |

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|----|--|-----|-----------|
| 73 | The linear mixed model constrained particle swarm optimization for hyperspectral endmember extraction from highly mixed data. , 2016, , .  |     | 1         |
| 74 | Performance analysis of the return link for the hybrid satellite terrestrial communication systems. , 2016, , .  |     | 1         |
| 75 | A robust background regression based score estimation algorithm for hyperspectral anomaly detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 122, 126-144.   | 4.9 | 24        |
| 76 | Regularizing Deep Convolutional Neural Networks with a Structured Decorrelation Constraint. , 2016, , .  |     | 22        |
| 77 | Multiview clustering based on Robust and Regularized Matrix Approximation. , 2016, , .   |     | 0         |
| 78 | A minimal Munsell value error based laser printer model. Neurocomputing, 2016, 204, 231-239.   | 3.5 | 1         |
| 79 | A spectral-spatial based local summation anomaly detection method for hyperspectral images. Signal Processing, 2016, 124, 115-131.   | 2.1 | 72        |
| 80 | Regularized set-to-set distance metric learning for hyperspectral image classification. Pattern Recognition Letters, 2016, 83, 143-151.  | 2.6 | 11        |
| 81 | Multi-label Active Learning Based on Maximum Correntropy Criterion: Towards Robust and Discriminative Labeling. Lecture Notes in Computer Science, 2016, , 453-468.  | 1.0 | 9         |
| 82 | Multidomain Subspace Classification for Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6138-6150.   | 2.7 | 14        |
| 83 | Sparse tensor discriminative locality alignment for gait recognition. , 2016, , .  |     | 4         |
| 84 | Denosing auto-encoders toward robust unsupervised feature representation. , 2016, , .  |     | 3         |
| 85 | A quantum-behaved particle swarm optimization for hyperspectral endmember extraction. , 2016, , .  |     | 2         |
| 86 | Correntropy-based robust joint sparse representation for hyperspectral image classification. , 2016, , .   |     | 0         |
| 87 | Quality improvement of hyperspectral remote sensing images: A technical overview. , 2016, , .  |     | 1         |
| 88 | Adaptive Laplacian Eigenmap-Based Dimension Reduction for Ocean Target Discrimination. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 902-906.  | 1.4 | 14        |
| 89 | Hyperspectral signal unmixing based on constrained non-negative matrix factorization approach. Neurocomputing, 2016, 204, 153-161.   | 3.5 | 23        |
| 90 | A Dissimilarity-Weighted Sparse Self-Representation Method for Band Selection in Hyperspectral Imagery Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4374-4388. | 2.3 | 72        |

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|-----|---|-----|-----------|
| 91  | Deep Learning for Remote Sensing Data: A Technical Tutorial on the State of the Art. IEEE Geoscience and Remote Sensing Magazine, 2016, 4, 22-40.   | 4.9 | 1,537     |
| 92  | Support Tensor Machines for Classification of Hyperspectral Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3248-3264.                              | 2.7 | 131       |
| 93  | A batch-mode active learning framework by querying discriminative and representative samples for hyperspectral image classification. Neurocomputing, 2016, 179, 88-100.                   | 3.5 | 26        |
| 94  | An image-based endmember bundle extraction algorithm using reconstruction error for hyperspectral imagery. Neurocomputing, 2016, 173, 397-405.  | 3.5 | 9         |
| 95  | Hierarchical feature learning with dropout k-means for hyperspectral image classification. Neurocomputing, 2016, 187, 75-82.  | 3.5 | 43        |
| 96  | Beyond Background Feature Extraction: An Anomaly Detection Algorithm Inspired by Slowly Varying Signal Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1757-1774. | 2.7 | 19        |
| 97  | A scene change detection framework for multi-temporal very high resolution remote sensing images. Signal Processing, 2016, 124, 184-197.  | 2.1 | 75        |
| 98  | A Low-Rank Tensor Decomposition Based Hyperspectral Image Compression Algorithm. Lecture Notes in Computer Science, 2016, , 141-149.  | 1.0 | 4         |
| 99  | MMFE: Multitask Multiview Feature Embedding. , 2015, , .  |     | 6         |
| 100 | R2FP: Rich and Robust Feature Pooling for Mining Visual Data. , 2015, , .   |     | 1         |
| 101 | Local decision maximum margin metric learning for hyperspectral target detection. , 2015, , .   |     | 0         |
| 102 | Ensemble manifold regularized sparse low-rank approximation for multiview feature embedding. Pattern Recognition, 2015, 48, 3102-3112.  | 5.1 | 260       |
| 103 | Maximum margin metric learning based target detection for hyperspectral images. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 108, 138-150.                                   | 4.9 | 27        |
| 104 | A sparse and discriminative tensor to vector projection for human gait feature representation. Signal Processing, 2015, 106, 245-252.   | 2.1 | 21        |
| 105 | A hypothesis independent subpixel target detector for hyperspectral Images. Signal Processing, 2015, 110, 244-249.  | 2.1 | 27        |
| 106 | Compression of hyperspectral remote sensing images by tensor approach. Neurocomputing, 2015, 147, 358-363.  | 3.5 | 154       |
| 107 | Batch Mode Active Learning for Geographical Image Classification. Lecture Notes in Computer Science, 2015, , 744-755.   | 1.0 | 0         |
| 108 | Hyperspectral biological images compression based on multiway tensor projection. , 2014, , .  |     | 4         |

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|-----|---|-----|-----------|
| 109 | A K-L divergence constrained sparse NMF for hyperspectral signal unmixing. , 2014, , .  |     | 4         |
| 110 | Joint Collaborative Representation With Multitask Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5923-5936.   | 2.7 | 34        |
| 111 | Local Patch Discriminative Metric Learning for Hyperspectral Image Feature Extraction. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 612-616.   | 1.4 | 25        |
| 112 | Sparse Transfer Manifold Embedding for Hyperspectral Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1030-1043.   | 2.7 | 173       |
| 113 | Hyperspectral Remote Sensing Image Subpixel Target Detection Based on Supervised Metric Learning. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4955-4965.  | 2.7 | 171       |
| 114 | Support tensor machine with local pixel neighborhood for hyperspectral image classification. , 2014, , .  |     | 1         |
| 115 | Hyperspectral image noise reduction based on rank-1 tensor decomposition. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 83, 50-63.  | 4.9 | 96        |
| 116 | Supervised Graph Embedding for Polarimetric SAR Image Classification. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 216-220.  | 1.4 | 67        |
| 117 | A modified stochastic neighbor embedding for multi-feature dimension reduction of remote sensing images. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 83, 30-39.   | 4.9 | 33        |
| 118 | The potential of linear discriminative Laplacian eigenmaps dimensionality reduction in polarimetric SAR classification for agricultural areas. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 86, 124-135. | 4.9 | 26        |
| 119 | Tensor Discriminative Locality Alignment for Hyperspectral Image Spectral-Spatial Feature Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 242-256.  | 2.7 | 251       |
| 120 | Nonnegative discriminative manifold learning for hyperspectral data dimension reduction. , 2013, , .  |     | 6         |
| 121 | A method for object identification in multispectral image based on tensor approach. , 2012, , .   |     | 0         |
| 122 | On Combining Multiple Features for Hyperspectral Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 879-893.  | 2.7 | 367       |
| 123 | Improvement of remote sensing classification method by multiway support tensor machine. , 2011, , .   |     | 1         |
| 124 | Detection of river ice using relevance vector machine. , 2011, , .  |     | 0         |
| 125 | A Multifeature Tensor for Remote-Sensing Target Recognition. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 374-378.  | 1.4 | 68        |
| 126 | A Study Of Wavelet Kernel In Support Vector Regression. Intelligent Automation and Soft Computing, 2010, 16, 777-785.   | 1.6 | 1         |