Yipeng Zhang

List of Publications by Year
in descending order

| 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	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
2	On Combining Multiple Features for Hyperspectral Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 879-893.	2.7	367
3	Stacked Convolutional Denoising Auto-Encoders for Feature Representation. IEEE Transactions on Cybernetics, 2017, 47, 1017-1027.	6.2	328
4	Multiscale Dynamic Graph Convolutional Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3162-3177.	2.7	279
5	Ensemble manifold regularized sparse low-rank approximation for multiview feature embedding. Pattern Recognition, 2015, 48, 3102-3112.	5.1	260
6	Feature Learning Using Spatial-Spectral Hypergraph Discriminant Analysis for Hyperspectral Image. IEEE Transactions on Cybernetics, 2019, 49, 2406-2419.	6.2	254
7	Tensor Discriminative Locality Alignment for Hyperspectral Image Spectralâ€"Spatial Feature Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 242-256.	2.7	251
8	Recurrent Feature Reasoning for Image Inpainting. , 2020, , .		240
9	Unsupervised domain adaptive re-identification: Theory and practice. Pattern Recognition, 2020, 102, 107173.	5.1	230
10	Simultaneous Spectral-Spatial Feature Selection and Extraction for Hyperspectral Images. IEEE Transactions on Cybernetics, 2018, 48, 16-28.	6.2	217
11	Hyperspectral image unsupervised classification by robust manifold matrix factorization. Information Sciences, 2019, 485, 154-169.	4.0	204
12	Dimensionality Reduction With Enhanced Hybrid-Graph Discriminant Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5336-5353.	2.7	180
13	Sparse Transfer Manifold Embedding for Hyperspectral Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1030-1043.	2.7	173
14	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
15	Compression of hyperspectral remote sensing images by tensor approach. Neurocomputing, 2015, 147, 358-363.	3.5	154
16	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
17	PLTD: Patch-Based Low-Rank Tensor Decomposition for Hyperspectral Images. IEEE Transactions on Multimedia, 2017, 19, 67-79.	5.2	137
18	Exploring Representativeness and Informativeness for Active Learning. IEEE Transactions on Cybernetics, 2017, 47, 14-26.	6.2	136

#	Article	IF	Citations
19	Support Tensor Machines for Classification of Hyperspectral Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3248-3264.	2.7	131
20	Global context based automatic road segmentation via dilated convolutional neural network. Information Sciences, 2020, 535, 156-171.	4.0	119
21	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
22	Progressive Reconstruction of Visual Structure for Image Inpainting. , 2019, , .		105
23	Nonlocal Low-Rank Tensor Completion for Visual Data. IEEE Transactions on Cybernetics, 2021, 51, 673-685.	6.2	105
24	A Novel Semisupervised Active-Learning Algorithm for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3071-3083.	2.7	98
25	Hyperspectral image noise reduction based on rank-1 tensor decomposition. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 83, 50-63.	4.9	96
26	Fast Spatio-Temporal Residual Network for Video Super-Resolution. , 2019, , .		88
27	Multistage attention network for image inpainting. Pattern Recognition, 2020, 106, 107448.	5.1	88
28	Dynamic Selection Network for Image Inpainting. IEEE Transactions on Image Processing, 2021, 30, 1784-1798.	6.0	87
29	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
30	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
31	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
32	A scene change detection framework for multi-temporal very high resolution remote sensing images. Signal Processing, 2016, 124, 184-197.	2.1	75
33	Robust Graph-Based Semisupervised Learning for Noisy Labeled Data via Maximum Correntropy Criterion. IEEE Transactions on Cybernetics, 2019, 49, 1440-1453.	6.2	75
34	A spectral-spatial based local summation anomaly detection method for hyperspectral images. Signal Processing, 2016, 124, 115-131.	2.1	72
35	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
36	A Multifeature Tensor for Remote-Sensing Target Recognition. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 374-378.	1.4	68

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37	Supervised Graph Embedding for Polarimetric SAR Image Classification. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 216-220.	1.4	67
38	Tracking Objects From Satellite Videos: A Velocity Feature Based Correlation Filter. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7860-7871.	2.7	62
39	MUSICAL: Multi-Scale Image Contextual Attention Learning for Inpainting. , 2019, , .		61
40	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
41	Discriminative subspace matrix factorization for multiview data clustering. Pattern Recognition, 2021, 111, 107676.	5.1	56
42	Can We Track Targets From Space? A Hybrid Kernel Correlation Filter Tracker for Satellite Video. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8719-8731.	2.7	46
43	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
44	Hierarchical feature learning with dropout k-means for hyperspectral image classification. Neurocomputing, 2016, 187, 75-82.	3.5	43
45	GPU Parallel Implementation of Isometric Mapping for Hyperspectral Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1532-1536.	1.4	38
46	Incorporating Distribution Matching into Uncertainty for Multiple Kernel Active Learning. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 128-142.	4.0	37
47	Adaptive Manifold Regularized Matrix Factorization for Data Clustering. , 2017, , .		35
48	Joint Collaborative Representation With Multitask Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5923-5936.	2.7	34
49	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
50	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
51	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
52	A Mutation Operator Accelerated Quantum-Behaved Particle Swarm Optimization Algorithm for Hyperspectral Endmember Extraction. Remote Sensing, 2017, 9, 197.	1.8	29
53	Maximum margin metric learning based target detection for hyperspectral images. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 108, 138-150.	4.9	27
54	A hypothesis independent subpixel target detector for hyperspectral Images. Signal Processing, 2015, 110, 244-249.	2.1	27

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55	Robust Dual Clustering with Adaptive Manifold Regularization. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2498-2509.	4.0	27
56	Combining local and global: Rich and robust feature pooling for visual recognition. Pattern Recognition, 2017, 62, 225-235.	5.1	27
57	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
58	A batch-mode active learning framework by querying discriminative and representative samples for hyperspectral image classification. Neurocomputing, 2016, 179, 88-100.	3.5	26
59	Robust learning with imperfect privileged information. Artificial Intelligence, 2020, 282, 103246.	3.9	26
60	Local Patch Discriminative Metric Learning for Hyperspectral Image Feature Extraction. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 612-616.	1.4	25
61	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
62	Robust face alignment by cascaded regression and de-occlusion. Neural Networks, 2020, 123, 261-272.	3.3	24
63	Learning From Synthetic Images via Active Pseudo-Labeling. IEEE Transactions on Image Processing, 2020, 29, 6452-6465.	6.0	24
64	Hyperspectral signal unmixing based on constrained non-negative matrix factorization approach. Neurocomputing, 2016, 204, 153-161.	3.5	23
65	Regularizing Deep Convolutional Neural Networks with a Structured Decorrelation Constraint. , 2016, , .		22
66	Homologous Component Analysis for Domain Adaptation. IEEE Transactions on Image Processing, 2020, 29, 1074-1089.	6.0	22
67	A sparse and discriminative tensor to vector projection for human gait feature representation. Signal Processing, 2015, 106, 245-252.	2.1	21
68	Evaluation of constraints to water quality improvements in the Western Lake Erie Basin. Journal of Environmental Management, 2018, 205, 85-98.	3.8	21
69	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
70	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
71	On combining active and transfer learning for medical data classification. IET Computer Vision, 2019, 13, 194-205.	1.3	16
72	Data-augmented matched subspace detector for hyperspectral subpixel target detection. Pattern Recognition, 2020, 106, 107464.	5.1	16

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73	Defect Detection from UAV Images Based on Region-Based CNNs. , 2018, , .		15
74	Locally Weighted Discriminant Analysis for Hyperspectral Image Classification. Remote Sensing, 2019, 11, 109.	1.8	15
75	Multidomain Subspace Classification for Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6138-6150.	2.7	14
76	Adaptive Laplacian Eigenmap-Based Dimension Reduction for Ocean Target Discrimination. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 902-906.	1.4	14
77	On Gleaning Knowledge From Cross Domains by Sparse Subspace Correlation Analysis for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3204-3220.	2.7	14
78	Learning selection channels for image steganalysis in spatial domain. Neurocomputing, 2020, 401, 78-90.	3.5	14
79	A robust dimensionality reduction and matrix factorization framework for data clustering. Pattern Recognition Letters, 2019, 128, 440-446.	2.6	13
80	Domain Transfer Learning for Hyperspectral Image Super-Resolution. Remote Sensing, 2019, 11, 694.	1.8	13
81	Self-Representative Manifold Concept Factorization with Adaptive Neighbors for Clustering. , 2018, , .		13
82	Transferable heterogeneous feature subspace learning for JPEG mismatched steganalysis. Pattern Recognition, 2020, 100, 107105.	5.1	12
83	Regularized set-to-set distance metric learning for hyperspectral image classification. Pattern Recognition Letters, 2016, 83, 143-151.	2.6	11
84	Hyperspectral Image Classification Based on Two-Stage Subspace Projection. Remote Sensing, 2018, 10, 1565.	1.8	11
85	Regularised transfer learning for hyperspectral image classification. IET Computer Vision, 2019, 13, 188-193.	1.3	11
86	Real-time tracking based on weighted compressive tracking and a cognitive memory model. Signal Processing, 2017, 139, 173-181.	2.1	10
87	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
88	An image-based endmember bundle extraction algorithm using reconstruction error for hyperspectral imagery. Neurocomputing, 2016, 173, 397-405.	3.5	9
89	TLR: Transfer Latent Representation for Unsupervised Domain Adaptation. , 2018, , .		9
90	A spectral clustering based method for hyperspectral urban image. , 2017, , .		8

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91	LAM3L: Locally adaptive maximum margin metric learning for visual data classification. Neurocomputing, 2017, 235, 1-9.	3.5	8
92	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
93	Discriminatively guided filtering (DGF) for hyperspectral image classification. Neurocomputing, 2018, 275, 1981-1987.	3.5	7
94	R-SVM+: Robust Learning with Privileged Information. , 2018, , .		7
95	Nonnegative discriminative manifold learning for hyperspectral data dimension reduction. , 2013, , .		6
96	MMFE: Multitask Multiview Feature Embedding. , 2015, , .		6
97	MSDH: Matched subspace detector with heterogeneous noise. Pattern Recognition Letters, 2019, 125, 701-707.	2.6	5
98	Hyperspectral biological images compression based on multiway tensor projection. , 2014, , .		4
99	A K-L divergence constrained sparse NMF for hyperspectral signal unmixing. , 2014, , .		4
100	Sparse tensor discriminative locality alignment for gait recognition. , 2016, , .		4
101	LocalDrop: A Hybrid Regularization for Deep Neural Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	4
102	A Low-Rank Tensor Decomposition Based Hyperspectral Image Compression Algorithm. Lecture Notes in Computer Science, 2016, , 141-149.	1.0	4
103	Accelerated Inference Framework of Sparse Neural Network Based on Nested Bitmask Structure. , 2019, , .		4
104	Denoising auto-encoders toward robust unsupervised feature representation. , 2016, , .		3
105	On Gleaning Knowledge from Multiple Domains for Active Learning. , 2017, , .		3
106	A quantum-behaved particle swarm optimization for hyperspectral endmember extraction. , 2016, , .		2
107	Independent Feature and Label Components for Multi-label Classification. , 2018, , .		2
108	Discriminant Spatial-Spectral Hypergraph Learning for Hyperspectral Image Classification. , 2018, , .		2

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109	Pseudo Supervised Matrix Factorization in Discriminative Subspace. , 2019, , .		2
110	A Study Of Wavelet Kernel In Support Vector Regression. Intelligent Automation and Soft Computing, 2010, 16, 777-785.	1.6	1
111	Improvement of remote sensing classification method by multiway support tensor machine. , 2011, , .		1
112	Support tensor machine with local pixel neighborhood for hyperspectral image classification. , 2014, , .		1
113	R2FP: Rich and Robust Feature Pooling for Mining Visual Data. , 2015, , .		1
114	The linear mixed model constrained particle swarm optimization for hyperspectral endmember extraction from highly mixed data. , 2016, , .		1
115	Performance analysis of the return link for the hybrid satellite terrestrial communication systems. , 2016, , .		1
116	A minimal Munsell value error based laser printer model. Neurocomputing, 2016, 204, 231-239.	3.5	1
117	Quality improvement of hyperspectral remote sensing images: A technical overview. , 2016, , .		1
118	Multi-class active learning: A hybrid informative and representative criterion inspired approach. , 2017, , .		1
119	Self-Paced Subspace Clustering. , 2019, , .		1
120	Parallel discriminative subspace for city target detection from high dimension images. GeoInformatica, 2020, , 1.	2.0	1
121	Detection of river ice using relevance vector machine. , 2011, , .		0
122	A method for object identification in multispectral image based on tensor approach. , 2012, , .		0
123	Local decision maximum margin metric learning for hyperspectral target detection. , 2015, , .		0
124	Multiview clustering based on Robust and Regularized Matrix Approximation. , 2016, , .		0
125	Correntropy-based robust joint sparse representation for hyperspectral image classification. , 2016, , .		0
126	Batch Mode Active Learning for Geographical Image Classification. Lecture Notes in Computer Science, 2015, , 744-755.	1.0	0