Xiaofeng Zhu

List of Publications by Citations

139 papers	4,910 citations	38 h-index	68 g-index
152 ext. papers	6,076 ext. citations	4.4 avg, IF	6.49 L-index

#	Paper	IF	Citations
139	Efficient kNN Classification With Different Numbers of Nearest Neighbors. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 1774-1785	10.3	401
138	Block-Row Sparse Multiview Multilabel Learning for Image Classification. *IEEE Transactions on Cybernetics*, **2016**, 46, 450-61	10.2	239
137	Robust Joint Graph Sparse Coding for Unsupervised Spectral Feature Selection. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 1263-1275	10.3	236
136	. *IEEE Transactions on Knowledge and Data Engineering*, **2011**, 23, 110-121	4.2	190
135	A sparse embedding and least variance encoding approach to hashing. *IEEE Transactions on Image Processing*, **2014**, 23, 3737-50	8.7	178
134	Linear cross-modal hashing for efficient multimedia search **2013**,		166
133	Subspace Regularized Sparse Multitask Learning for Multiclass Neurodegenerative Disease Identification. *IEEE Transactions on Biomedical Engineering*, **2016**, 63, 607-18	5	144
132	. *IEEE Transactions on Multimedia*, **2017**, 19, 2033-2044	6.6	144
131	A novel matrix-similarity based loss function for joint regression and classification in AD diagnosis. *NeuroImage*, **2014**, 100, 91-105	7.9	139
130	A novel relational regularization feature selection method for joint regression and classification in AD diagnosis. *Medical Image Analysis*, **2017**, 38, 205-214	15.4	137
129	Quantization-based hashing: a general framework for scalable image and video retrieval. *Pattern Recognition*, **2018**, 75, 175-187	7.7	129
128	Local and Global Structure Preservation for Robust Unsupervised Spectral Feature Selection. *IEEE Transactions on Knowledge and Data Engineering*, **2018**, 30, 517-529	4.2	119
127	Self-taught dimensionality reduction on the high-dimensional small-sized data. *Pattern Recognition*, **2013**, 46, 215-229	7.7	112
126	. *IEEE Transactions on Multimedia*, **2014**, 16, 1677-1689	6.6	111
125	Graph self-representation method for unsupervised feature selection. *Neurocomputing*, **2017**, 220, 130-137		110
124	Learning k for kNN Classification. *ACM Transactions on Intelligent Systems and Technology*, **2017**, 8, 1-19	8	109
123	Dimensionality reduction by Mixed Kernel Canonical Correlation Analysis. *Pattern Recognition*, **2012**, 45, 3003-3016	7.7	109

122	Effective feature learning and fusion of multimodality data using stage-wise deep neural network for dementia diagnosis. *Human Brain Mapping*, **2019**, 40, 1001-1016	5.9	96
121	One-Step Multi-View Spectral Clustering. *IEEE Transactions on Knowledge and Data Engineering*, **2019**, 31, 2022-2034	4.2	94
120	Low-Rank Sparse Subspace for Spectral Clustering. *IEEE Transactions on Knowledge and Data Engineering*, **2019**, 31, 1532-1543	4.2	91
119	Sparse hashing for fast multimedia search. *ACM Transactions on Information Systems*, **2013**, 31, 1-24	4.8	86
118	Semi-parametric optimization for missing data imputation. *Applied Intelligence*, **2007**, 27, 79-88	4.9	78
117	Unsupervised feature selection by self-paced learning regularization. *Pattern Recognition Letters*, **2020**, 132, 4-11	4.7	71
116	Strength and Similarity Guided Group-level Brain Functional Network Construction for MCI Diagnosis. *Pattern Recognition*, **2019**, 88, 421-430	7.7	70
115	Canonical feature selection for joint regression and multi-class identification in Alzheimer's disease diagnosis. *Brain Imaging and Behavior*, **2016**, 10, 818-28	4.1	64
114	Missing data imputation by utilizing information within incomplete instances. *Journal of Systems and Software*, **2011**, 84, 452-459	3.3	63
113	Robust SVM with adaptive graph learning. *World Wide Web*, **2020**, 23, 1945-1968	2.9	59
112	Spectral clustering via half-quadratic optimization. *World Wide Web*, **2020**, 23, 1969-1988	2.9	54
111	Dynamic graph learning for spectral feature selection. *Multimedia Tools and Applications*, **2018**, 77, 29739-29755	2.3	53
110	Low-Rank Graph-Regularized Structured Sparse Regression for Identifying Genetic Biomarkers. *IEEE Transactions on Big Data*, **2017**, 3, 405-414	3.2	49
109	Matrix-Similarity Based Loss Function and Feature Selection for Alzheimer's Disease Diagnosis. *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, **2014**, 2014, 3089-3096	6	49
108	Online human gesture recognition from motion data streams **2013**,		49
107	Spectral rotation for deep one-step clustering. *Pattern Recognition*, **2020**, 105, 107175	7.7	44
106	. *IEEE Transactions on Multimedia*, **2013**, 15, 633-646	6.6	43
105	Joint prediction and time estimation of COVID-19 developing severe symptoms using chest CT scan. *Medical Image Analysis*, **2021**, 67, 101824	15.4	41

104	Unsupervised feature selection via local structure learning and sparse learning. *Multimedia Tools and Applications*, **2018**, 77, 29605-29622	2.5	39
103	POP algorithm: Kernel-based imputation to treat missing values in knowledge discovery from databases. *Expert Systems With Applications*, **2009**, 36, 2794-2804	7.8	39
102	Structured sparsity regularized multiple kernel learning for Alzheimer's disease diagnosis. *Pattern Recognition*, **2019**, 88, 370-382	7.7	38
101	Efficient Utilization of Missing Data in Cost-Sensitive Learning. *IEEE Transactions on Knowledge and Data Engineering*, **2021**, 33, 2425-2436	4.2	38
100	Heterogeneous data fusion for predicting mild cognitive impairment conversion. *Information Fusion* , **2021**, 66, 54-63	16.7	37
99	Unsupervised Spectral Feature Selection with Dynamic Hyper-graph Learning. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 1-1	4.2	35
98	Multi-modal classification of neurodegenerative disease by progressive graph-based transductive learning. *Medical Image Analysis*, **2017**, 39, 218-230	15.4	33
97	Missing Value Imputation Based on Data Clustering **2008**, 128-138		31
96	Clustering-based Missing Value Imputation for Data Preprocessing **2006**,		31
95	Half-Quadratic Minimization for Unsupervised Feature Selection on Incomplete Data. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 3122-3135	10.3	29
94	kNN Algorithm with Data-Driven k Value. *Lecture Notes in Computer Science*, **2014**, 499-512	0.9	27
93	Structured Graph Learning for Scalable Subspace Clustering: From Single View to Multiview. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	23
92	Multi-modality canonical feature selection for Alzheimer's disease diagnosis. *Lecture Notes in Computer Science*, **2014**, 17, 162-9	0.9	22
91	GBKII: An Imputation Method for Missing Values **2007**, 1080-1087		21
90	A novel low-rank hypergraph feature selection for multi-view classification. *Neurocomputing*, **2017**, 253, 115-121	5.4	20
89	Reveal Consistent Spatial-Temporal Patterns from Dynamic Functional Connectivity for Autism Spectrum Disorder Identification. *Lecture Notes in Computer Science*, **2016**, 9900, 106-114	0.9	20
88	Multi-view Classification for Identification of Alzheimer's Disease. *Lecture Notes in Computer Science*, **2015**, 9352, 255-262	0.9	20
87	Interpretable learning based Dynamic Graph Convolutional Networks for Alzheimer Disease analysis. *Information Fusion*, **2022**, 77, 53-61	16.7	18

86	Structured Sparse Kernel Learning for Imaging Genetics Based Alzheimer's Disease Diagnosis. *Lecture Notes in Computer Science*, **2016**, 9901, 70-78	0.9	16
85	Early Diagnosis of Alzheimer's Disease by Joint Feature Selection and Classification on Temporally Structured Support Vector Machine. *Lecture Notes in Computer Science*, **2016**, 9900, 264-272	0.9	16
84	Feature Selection by Joint Graph Sparse Coding **2013**,		15
83	A novel multi-relation regularization method for regression and classification in AD diagnosis. *Lecture Notes in Computer Science*, **2014**, 17, 401-8	0.9	15
82	Brain functional connectivity analysis based on multi-graph fusion. *Medical Image Analysis*, **2021**, 71, 102057	13.4	15
81	Adaptive reverse graph learning for robust subspace learning. *Information Processing and Management*, **2021**, 58, 102733	6.3	15
80	Feature self-representation based hypergraph unsupervised feature selection via low-rank representation. *Neurocomputing*, **2017**, 253, 127-134	5.4	14
79	Multi-Band Brain Network Analysis for Functional Neuroimaging Biomarker Identification. *IEEE Transactions on Medical Imaging*, **2021**, 40, 3843-3855	11.7	14
78	Feature Learning and Fusion of Multimodality Neuroimaging and Genetic Data for Multi-status Dementia Diagnosis. *Lecture Notes in Computer Science*, **2017**, 10541, 132-140	0.9	13
77	Maximum Mean Discrepancy Based Multiple Kernel Learning for Incomplete Multimodality Neuroimaging Data. *Lecture Notes in Computer Science*, **2017**, 10435, 72-80	0.9	12
76	Hybrid swarm intelligent parallel algorithm research based on multi-core clusters. *Microprocessors and Microsystems*, **2016**, 47, 151-160	2.4	12
75	Multi-view multi-sparsity kernel reconstruction for multi-class image classification. *Neurocomputing*, **2015**, 169, 43-49	5.4	12
74	A Novel Dynamic Hyper-Graph Inference Framework for Computer Assisted Diagnosis of Neuro-Diseases. *Lecture Notes in Computer Science*, **2017**, 10265, 158-169	0.9	12
73	Identification of Multi-scale Hierarchical Brain Functional Networks Using Deep Matrix Factorization. *Lecture Notes in Computer Science*, **2018**, 11072, 223-231	0.9	12
72	Unsupervised feature selection for visual classification via feature-representation property. *Neurocomputing*, **2017**, 236, 5-13	5.4	11
71	Sparse Discriminative Feature Selection for Multi-class Alzheimer's Disease Classification. *Lecture Notes in Computer Science*, **2014**, 157-164	0.9	11
70	Structured Sparse Low-Rank Regression Model for Brain-Wide and Genome-Wide Associations. *Lecture Notes in Computer Science*, **2016**, 9900, 344-352	0.9	11
69	Long range early diagnosis of Alzheimer's disease using longitudinal MR imaging data. *Medical Image Analysis*, **2021**, 67, 101825	15.4	10

68	Zero-shot Image Categorization by Image Correlation Exploration **2015**,		9
67	Discriminative self-representation sparse regression for neuroimaging-based alzheimer's disease diagnosis. *Brain Imaging and Behavior*, **2019**, 13, 27-40	4.1	9
66	Adaptive structure learning for low-rank supervised feature selection. *Pattern Recognition Letters*, **2018**, 109, 89-96	4.7	8
65	Progressive Graph-Based Transductive Learning for Multi-modal Classification of Brain Disorder Disease. *Lecture Notes in Computer Science*, **2016**, 9900, 291-299	0.9	8
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61	Self-representation and PCA embedding for unsupervised feature selection. *World Wide Web*, **2018**, 21, 1675-1688	2.9	7
60	Missing Data Analysis: A Kernel-Based Multi-Imputation Approach. *Lecture Notes in Computer Science*, **2009**, 122-142	0.9	6
59	Personalized Diagnosis for Alzheimer's Disease. *Lecture Notes in Computer Science*, **2017**, 10435, 205-213	0.9	6
58	Reverse Graph Learning for Graph Neural Network.. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, PP,	10.3	6
57	A Robust Reduced Rank Graph Regression Method for Neuroimaging Genetic Analysis. *Neuroinformatics*, **2018**, 16, 351-361	3.2	5
56	Video-to-shot tag allocation by weighted sparse group lasso **2011**,		5
55	Mining follow-up correlation patterns from time-related databases. *Knowledge and Information Systems*, **2008**, 14, 81-100	2.4	5
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53	Identifying Follow-Correlation Itemset-Pairs. *IEEE International Conference on Data Mining*, **2006**,		5
52	Self-weighted Multi-view Fuzzy Clustering. *ACM Transactions on Knowledge Discovery From Data*, **2020**, 14, 1-17	4	5
51	Discriminative Dimensionality Reduction for Patch-Based Label Fusion. *Lecture Notes in Computer Science*, **2015**, 94-103	0.9	5

50	Multi-View Visual Classification via a Mixed-Norm Regularizer. *Lecture Notes in Computer Science*, **2013**, 520-531	0.9	5
49	Probability Ordinal-Preserving Semantic Hashing for Large-Scale Image Retrieval. *ACM Transactions on Knowledge Discovery From Data*, **2021**, 15, 1-22	4	5
48	One-step spectral rotation clustering for imbalanced high-dimensional data. *Information Processing and Management*, **2021**, 58, 102388	6.3	5
47	Universal Weighting Metric Learning for Cross-Modal Retrieval. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, PP,	13.3	5
46	Low-rank feature selection for multi-view regression. *Multimedia Tools and Applications*, **2017**, 76, 17479-17495	2.5	4
45	Double sparse-representation feature selection algorithm for classification. *Multimedia Tools and Applications*, **2017**, 76, 17525-17539	2.5	4
44	Low-rank unsupervised graph feature selection via feature self-representation. *Multimedia Tools and Applications*, **2017**, 76, 12149-12164	2.5	4
43	Robust Multi-view Learning via Half-quadratic Minimization **2018**,		4
42	Cost-Time Sensitive Decision Tree with Missing Values **2007**, 447-459		4
41	Low-rank hypergraph feature selection for multi-output regression. *World Wide Web*, **2019**, 22, 517-531	2.9	4
40	Flow-Edge Guided Unsupervised Video Object Segmentation. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 1-1	6.4	4
39	Fusing functional connectivity with network nodal information for sparse network pattern learning of functional brain networks. *Information Fusion*, **2021**, 75, 131-139	16.7	4
38	Editorial learning for multimodal data. *Neurocomputing*, **2017**, 253, 1-5	5.4	3
37	. *IEEE Transactions on Multimedia*, **2015**, 17, 256-256	6.6	3
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35	Self-tuning clustering for high-dimensional data. *World Wide Web*, **2018**, 21, 1563-1573	2.9	3
34	Inter-subject Similarity Guided Brain Network Modeling for MCI Diagnosis. *Lecture Notes in Computer Science*, **2017**, 10541, 168-175	0.9	3
33	A Tensor Statistical Model for Quantifying Dynamic Functional Connectivity. *Lecture Notes in Computer Science*, **2017**, 10265, 398-410	0.9	3

32	Multi-task multi-modality SVM for early COVID-19 Diagnosis using chest CT data. *Information Processing and Management*, **2022**, 59, 102782	6.3	3
31	Mining Item Popularity for Recommender Systems. *Lecture Notes in Computer Science*, **2013**, 372-383	0.9	3
30	Connected graph decomposition for spectral clustering. *Multimedia Tools and Applications*, **2019**, 78, 33247-33259	2.5	3
29	Estimating confidence intervals for structural differences between contrast groups with missing data. *Expert Systems With Applications*, **2009**, 36, 6431-6438	7.8	2
28	Prediction of Mild Cognitive Impairment Conversion Using Auxiliary Information **2019**,		2
27	Sparse Graph Connectivity for Image Segmentation. *ACM Transactions on Knowledge Discovery From Data*, **2020**, 14, 1-19	4	2
26	Joint Discriminative and Representative Feature Selection for Alzheimer's Disease Diagnosis. *Lecture Notes in Computer Science*, **2016**, 10019, 77-85	0.9	2
25	Mixed-Norm Regression for Visual Classification. *Lecture Notes in Computer Science*, **2013**, 265-276	0.9	2
24	Image Super-Resolution by Supervised Adaption of Patchwise Self-similarity from High-Resolution Image. *Lecture Notes in Computer Science*, **2015**, 9467, 10-18	0.9	2
23	Global and local clustering with kNN and local PCA. *Multimedia Tools and Applications*, **2018**, 77, 29727-29738	2.5	2
22	Multigraph Fusion for Dynamic Graph Convolutional Network.. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, PP,	10.3	2
21	Self-representation dimensionality reduction for multi-model classification. *Neurocomputing*, **2017**, 253, 154-161	5.4	1
20	Robust Features Selection via Structure Learning and Multiple Subspace Learning **2017**,		1
19	Self-representation graph feature selection method for classification. *Multimedia Systems*, **2017**, 23, 351-356	2.2	1
18	Parameter-Free Centralized Multi-Task Learning for Characterizing Developmental Sex Differences in Resting State Functional Connectivity. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2018**, 2018, 2660-2667	5	1
17	Multi-Output Regression with Tag Correlation Analysis for Effective Image Tagging. *Lecture Notes in Computer Science*, **2014**, 31-46	0.9	1
16	Accurate and High Throughput Cell Segmentation Method for Mouse Brain Nuclei Using Cascaded Convolutional Neural Network. *Lecture Notes in Computer Science*, **2017**, 55-62	0.9	1
15	Fast Neuroimaging-Based Retrieval for Alzheimer's Disease Analysis. *Lecture Notes in Computer Science*, **2016**, 10019, 313-321	0.9	1

LIST OF PUBLICATIONS

14	Global and Local Structure Preservation for Nonlinear High-dimensional Spectral Clustering. *Computer Journal*, **2021**, 64, 993-1004	1.3	1
13	Initialization-similarity clustering algorithm. *Multimedia Tools and Applications*, **2019**, 78, 33279-33296	2.5	0
12	One-step spectral rotation clustering with balanced constrains. *World Wide Web*,1	2.9	0
11	Sparse Low-Rank and Graph Structure Learning for Supervised Feature Selection. *Neural Processing Letters*, **2020**, 52, 1793-1809	2.4	0
10	Low-Rank Feature Reduction and Sample Selection for Multi-output Regression. *Lecture Notes in Computer Science*, **2016**, 126-141	0.9	0
9	Group sparse reduced rank regression for neuroimaging genetic study. *World Wide Web*, **2019**, 22, 673-688	2.9	0
8	Robust self-tuning multi-view clustering. *World Wide Web*, **2022**, 25, 489-512	2.9	0
7	Pattern discovery from multi-source data. *Pattern Recognition Letters*, **2018**, 109, 1-3	4.7	
6	NIIA: Nonparametric Iterative Imputation Algorithm. *Lecture Notes in Computer Science*, **2008**, 544-555	0.9	
5	Robust and Discriminative Brain Genome Association Study. *Lecture Notes in Computer Science*, **2019**, 11767, 456-464	0.9	
4	Supervised Feature Selection by Robust Sparse Reduced-Rank Regression. *Lecture Notes in Computer Science*, **2016**, 700-713	0.9	
3	Unsupervised Hypergraph Feature Selection with Low-Rank and Self-Representation Constraints. *Lecture Notes in Computer Science*, **2016**, 172-187	0.9	
2	Robust Multi-view Classification with Sample Constraints. *Neural Processing Letters*,1	2.4	
1	Privacy-preserving Multimedia Data Analysis. *Computer Journal*, **2021**, 64, 991-992	1.3	