

# Xiaofeng Zhu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Multi-task multi-modality SVM for early COVID-19 Diagnosis using chest CT data. <i>Information Processing and Management</i> , <b>2022</b> , 59, 102782	6.3	3
138	Interpretable learning based Dynamic Graph Convolutional Networks for Alzheimer's Disease analysis. <i>Information Fusion</i> , <b>2022</b> , 77, 53-61	16.7	18
137	Reverse Graph Learning for Graph Neural Network.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , PP,	10.3	6
136	Robust self-tuning multi-view clustering. <i>World Wide Web</i> , <b>2022</b> , 25, 489-512	2.9	0
135	Multigraph Fusion for Dynamic Graph Convolutional Network.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , PP,	10.3	2
134	Half-Quadratic Minimization for Unsupervised Feature Selection on Incomplete Data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 3122-3135	10.3	29
133	Probability Ordinal-Preserving Semantic Hashing for Large-Scale Image Retrieval. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2021</b> , 15, 1-22	4	5
132	Global and Local Structure Preservation for Nonlinear High-dimensional Spectral Clustering. <i>Computer Journal</i> , <b>2021</b> , 64, 993-1004	1.3	1
131	Long range early diagnosis of Alzheimer's disease using longitudinal MR imaging data. <i>Medical Image Analysis</i> , <b>2021</b> , 67, 101825	15.4	10
130	One-step spectral rotation clustering for imbalanced high-dimensional data. <i>Information Processing and Management</i> , <b>2021</b> , 58, 102388	6.3	5
129	Joint prediction and time estimation of COVID-19 developing severe symptoms using chest CT scan. <i>Medical Image Analysis</i> , <b>2021</b> , 67, 101824	15.4	41
128	Heterogeneous data fusion for predicting mild cognitive impairment conversion. <i>Information Fusion</i> , <b>2021</b> , 66, 54-63	16.7	37
127	Efficient Utilization of Missing Data in Cost-Sensitive Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 33, 2425-2436	4.2	38
126	Universal Weighting Metric Learning for Cross-Modal Retrieval. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , PP,	13.3	5
125	Flow-Edge Guided Unsupervised Video Object Segmentation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	4
124	Multi-Band Brain Network Analysis for Functional Neuroimaging Biomarker Identification. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 3843-3855	11.7	14
123	Privacy-preserving Multimedia Data Analysis. <i>Computer Journal</i> , <b>2021</b> , 64, 991-992	1.3	

122	Brain functional connectivity analysis based on multi-graph fusion. <i>Medical Image Analysis</i> , <b>2021</b> , 71, 1020574	15.7	15
121	Fusing functional connectivity with network nodal information for sparse network pattern learning of functional brain networks. <i>Information Fusion</i> , <b>2021</b> , 75, 131-139	16.7	4
120	Adaptive reverse graph learning for robust subspace learning. <i>Information Processing and Management</i> , <b>2021</b> , 58, 102733	6.3	15
119	Structured Graph Learning for Scalable Subspace Clustering: From Single View to Multiview. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	23
118	Spectral representation learning for one-step spectral rotation clustering. <i>Neurocomputing</i> , <b>2020</b> , 406, 361-370	5.4	3
117	Self-weighted Multi-view Fuzzy Clustering. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2020</b> , 14, 1-17	4	5
116	Sparse Low-Rank and Graph Structure Learning for Supervised Feature Selection. <i>Neural Processing Letters</i> , <b>2020</b> , 52, 1793-1809	2.4	0
115	Sparse Graph Connectivity for Image Segmentation. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2020</b> , 14, 1-19	4	2
114	Spectral clustering via half-quadratic optimization. <i>World Wide Web</i> , <b>2020</b> , 23, 1969-1988	2.9	54
113	Robust SVM with adaptive graph learning. <i>World Wide Web</i> , <b>2020</b> , 23, 1945-1968	2.9	59
112	Spectral rotation for deep one-step clustering. <i>Pattern Recognition</i> , <b>2020</b> , 105, 107175	7.7	44
111	Unsupervised Spectral Feature Selection with Dynamic Hyper-graph Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	35
110	Unsupervised feature selection by self-paced learning regularization. <i>Pattern Recognition Letters</i> , <b>2020</b> , 132, 4-11	4.7	71
109	Initialization-similarity clustering algorithm. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 33279-33296	2.5	0
108	Low-Rank Sparse Subspace for Spectral Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2019</b> , 31, 1532-1543	4.2	91
107	Prediction of Mild Cognitive Impairment Conversion Using Auxiliary Information <b>2019</b> ,		2
106	Robust and Discriminative Brain Genome Association Study. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11767, 456-464	0.9	
105	Group sparse reduced rank regression for neuroimaging genetic study. <i>World Wide Web</i> , <b>2019</b> , 22, 673-688	0.8	0

104	Dynamic Hyper-Graph Inference Framework for Computer-Assisted Diagnosis of Neurodegenerative Diseases. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 608-616	11.7	7
103	Connected graph decomposition for spectral clustering. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 33247-33259	2.5	3
102	Low-rank dimensionality reduction for multi-modality neurodegenerative disease identification. <i>World Wide Web</i> , <b>2019</b> , 22, 907-925	2.9	8
101	Effective feature learning and fusion of multimodality data using stage-wise deep neural network for dementia diagnosis. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 1001-1016	5.9	96
100	One-Step Multi-View Spectral Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2019</b> , 31, 2022-2034	4.2	94
99	Strength and Similarity Guided Group-level Brain Functional Network Construction for MCI Diagnosis. <i>Pattern Recognition</i> , <b>2019</b> , 88, 421-430	7.7	70
98	Structured sparsity regularized multiple kernel learning for Alzheimer's disease diagnosis. <i>Pattern Recognition</i> , <b>2019</b> , 88, 370-382	7.7	38
97	Low-rank hypergraph feature selection for multi-output regression. <i>World Wide Web</i> , <b>2019</b> , 22, 517-531	2.9	4
96	Discriminative self-representation sparse regression for neuroimaging-based alzheimer's disease diagnosis. <i>Brain Imaging and Behavior</i> , <b>2019</b> , 13, 27-40	4.1	9
95	Local and Global Structure Preservation for Robust Unsupervised Spectral Feature Selection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2018</b> , 30, 517-529	4.2	119
94	Unsupervised feature selection via local structure learning and sparse learning. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 29605-29622	2.5	39
93	Pattern discovery from multi-source data. <i>Pattern Recognition Letters</i> , <b>2018</b> , 109, 1-3	4.7	
92	Efficient kNN Classification With Different Numbers of Nearest Neighbors. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 1774-1785	10.3	401
91	Quantization-based hashing: a general framework for scalable image and video retrieval. <i>Pattern Recognition</i> , <b>2018</b> , 75, 175-187	7.7	129
90	Adaptive structure learning for low-rank supervised feature selection. <i>Pattern Recognition Letters</i> , <b>2018</b> , 109, 89-96	4.7	8
89	Self-tuning clustering for high-dimensional data. <i>World Wide Web</i> , <b>2018</b> , 21, 1563-1573	2.9	3
88	A Robust Reduced Rank Graph Regression Method for Neuroimaging Genetic Analysis. <i>Neuroinformatics</i> , <b>2018</b> , 16, 351-361	3.2	5
87	Parameter-Free Centralized Multi-Task Learning for Characterizing Developmental Sex Differences in Resting State Functional Connectivity. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2018</b> , 2018, 2660-2667	5	1

86	Robust Multi-view Learning via Half-quadratic Minimization <b>2018</b> ,		4
85	Self-representation and PCA embedding for unsupervised feature selection. <i>World Wide Web</i> , <b>2018</b> , 21, 1675-1688	2.9	7
84	Dynamic graph learning for spectral feature selection. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 29739-29753	2.9	7
83	Identification of Multi-scale Hierarchical Brain Functional Networks Using Deep Matrix Factorization. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11072, 223-231	0.9	12
82	Global and local clustering with kNN and local PCA. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 29727-29738	2.9	7
81	Robust Joint Graph Sparse Coding for Unsupervised Spectral Feature Selection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 1263-1275	10.3	236
80	A novel relational regularization feature selection method for joint regression and classification in AD diagnosis. <i>Medical Image Analysis</i> , <b>2017</b> , 38, 205-214	15.4	137
79	Low-rank feature selection for multi-view regression. <i>Multimedia Tools and Applications</i> , <b>2017</b> , 76, 17479-17494	2.9	7
78	Learning k for kNN Classification. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2017</b> , 8, 1-19	8	109
77	Feature self-representation based hypergraph unsupervised feature selection via low-rank representation. <i>Neurocomputing</i> , <b>2017</b> , 253, 127-134	5.4	14
76	A novel low-rank hypergraph feature selection for multi-view classification. <i>Neurocomputing</i> , <b>2017</b> , 253, 115-121	5.4	20
75	Multi-modal classification of neurodegenerative disease by progressive graph-based transductive learning. <i>Medical Image Analysis</i> , <b>2017</b> , 39, 218-230	15.4	33
74	. <i>IEEE Transactions on Multimedia</i> , <b>2017</b> , 19, 2033-2044	6.6	144
73	Editorial learning for multimodal data. <i>Neurocomputing</i> , <b>2017</b> , 253, 1-5	5.4	3
72	Self-representation dimensionality reduction for multi-model classification. <i>Neurocomputing</i> , <b>2017</b> , 253, 154-161	5.4	1
71	Double sparse-representation feature selection algorithm for classification. <i>Multimedia Tools and Applications</i> , <b>2017</b> , 76, 17525-17539	2.5	4
70	Maximum Mean Discrepancy Based Multiple Kernel Learning for Incomplete Multimodality Neuroimaging Data. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10435, 72-80	0.9	12
69	Low-Rank Graph-Regularized Structured Sparse Regression for Identifying Genetic Biomarkers. <i>IEEE Transactions on Big Data</i> , <b>2017</b> , 3, 405-414	3.2	49

68	Robust Features Selection via Structure Learning and Multiple Subspace Learning <b>2017</b> ,		1
67	Inter-subject Similarity Guided Brain Network Modeling for MCI Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10541, 168-175	0.9	3
66	Self-representation graph feature selection method for classification. <i>Multimedia Systems</i> , <b>2017</b> , 23, 351-356	2.2	1
65	Low-rank unsupervised graph feature selection via feature self-representation. <i>Multimedia Tools and Applications</i> , <b>2017</b> , 76, 12149-12164	2.5	4
64	Graph self-representation method for unsupervised feature selection. <i>Neurocomputing</i> , <b>2017</b> , 220, 130-137	5.7	110
63	Unsupervised feature selection for visual classification via feature-representation property. <i>Neurocomputing</i> , <b>2017</b> , 236, 5-13	5.4	11
62	A Tensor Statistical Model for Quantifying Dynamic Functional Connectivity. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10265, 398-410	0.9	3
61	A Novel Dynamic Hyper-Graph Inference Framework for Computer Assisted Diagnosis of Neuro-Diseases. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10265, 158-169	0.9	12
60	Personalized Diagnosis for Alzheimer's Disease. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10435, 205-213	0.9	6
59	Feature Learning and Fusion of Multimodality Neuroimaging and Genetic Data for Multi-status Dementia Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10541, 132-140	0.9	13
58	Accurate and High Throughput Cell Segmentation Method for Mouse Brain Nuclei Using Cascaded Convolutional Neural Network. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 55-62	0.9	1
57	Subspace Regularized Sparse Multitask Learning for Multiclass Neurodegenerative Disease Identification. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 607-18	5	144
56	Reveal Consistent Spatial-Temporal Patterns from Dynamic Functional Connectivity for Autism Spectrum Disorder Identification. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 106-114	0.9	20
55	Structured Sparse Kernel Learning for Imaging Genetics Based Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 70-78	0.9	16
54	Early Diagnosis of Alzheimer's Disease by Joint Feature Selection and Classification on Temporally Structured Support Vector Machine. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 264-272	0.9	16
53	Hybrid swarm intelligent parallel algorithm research based on multi-core clusters. <i>Microprocessors and Microsystems</i> , <b>2016</b> , 47, 151-160	2.4	12
52	Block-Row Sparse Multiview Multilabel Learning for Image Classification. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 450-61	10.2	239
51	Graph feature selection for dementia diagnosis. <i>Neurocomputing</i> , <b>2016</b> , 195, 19-22	5.4	7

50	Canonical feature selection for joint regression and multi-class identification in Alzheimer's disease diagnosis. <i>Brain Imaging and Behavior</i> , <b>2016</b> , 10, 818-28	4.1	64
49	Progressive Graph-Based Transductive Learning for Multi-modal Classification of Brain Disorder Disease. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 291-299	0.9	8
48	Structured Sparse Low-Rank Regression Model for Brain-Wide and Genome-Wide Associations. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 344-352	0.9	11
47	Joint Discriminative and Representative Feature Selection for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 10019, 77-85	0.9	2
46	Fast Neuroimaging-Based Retrieval for Alzheimer's Disease Analysis. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 10019, 313-321	0.9	1
45	Low-Rank Feature Reduction and Sample Selection for Multi-output Regression. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 126-141	0.9	0
44	Supervised Feature Selection by Robust Sparse Reduced-Rank Regression. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 700-713	0.9	
43	Unsupervised Hypergraph Feature Selection with Low-Rank and Self-Representation Constraints. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 172-187	0.9	
42	Zero-shot Image Categorization by Image Correlation Exploration <b>2015</b> ,		9
41	. <i>IEEE Transactions on Multimedia</i> , <b>2015</b> , 17, 256-256	6.6	3
40	Multi-view multi-sparsity kernel reconstruction for multi-class image classification. <i>Neurocomputing</i> , <b>2015</b> , 169, 43-49	5.4	12
39	Multi-view Classification for Identification of Alzheimer's Disease. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9352, 255-262	0.9	20
38	Discriminative Dimensionality Reduction for Patch-Based Label Fusion. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 94-103	0.9	5
37	Image Super-Resolution by Supervised Adaption of Patchwise Self-similarity from High-Resolution Image. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9467, 10-18	0.9	2
36	. <i>IEEE Transactions on Multimedia</i> , <b>2014</b> , 16, 1677-1689	6.6	111
35	Matrix-Similarity Based Loss Function and Feature Selection for Alzheimer's Disease Diagnosis. <i>Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition</i> , <b>2014</b> , 2014, 3089-3096	6	49
34	A sparse embedding and least variance encoding approach to hashing. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 3737-50	8.7	178
33	A novel matrix-similarity based loss function for joint regression and classification in AD diagnosis. <i>NeuroImage</i> , <b>2014</b> , 100, 91-105	7.9	139



32	Multi-modality canonical feature selection for Alzheimer's disease diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 17, 162-9	0.9	22
31	Multi-Output Regression with Tag Correlation Analysis for Effective Image Tagging. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 31-46	0.9	1
30	A novel multi-relation regularization method for regression and classification in AD diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 17, 401-8	0.9	15
29	Sparse Discriminative Feature Selection for Multi-class Alzheimer's Disease Classification. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 157-164	0.9	11
28	kNN Algorithm with Data-Driven k Value. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 499-512	0.9	27
27	. <i>IEEE Transactions on Multimedia</i> , <b>2013</b> , 15, 633-646	6.6	43
26	Self-taught dimensionality reduction on the high-dimensional small-sized data. <i>Pattern Recognition</i> , <b>2013</b> , 46, 215-229	7.7	112
25	Feature Selection by Joint Graph Sparse Coding <b>2013</b> ,		15
24	Linear cross-modal hashing for efficient multimedia search <b>2013</b> ,		166
23	Online human gesture recognition from motion data streams <b>2013</b> ,		49
22	Sparse hashing for fast multimedia search. <i>ACM Transactions on Information Systems</i> , <b>2013</b> , 31, 1-24	4.8	86
21	Multi-View Visual Classification via a Mixed-Norm Regularizer. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 520-531	0.9	5
20	Mixed-Norm Regression for Visual Classification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 265-276	0.9	2
19	Mining Item Popularity for Recommender Systems. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 372-383	0.9	3
18	Dimensionality reduction by Mixed Kernel Canonical Correlation Analysis. <i>Pattern Recognition</i> , <b>2012</b> , 45, 3003-3016	7.7	109
17	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2011</b> , 23, 110-121	4.2	190
16	Missing data imputation by utilizing information within incomplete instances. <i>Journal of Systems and Software</i> , <b>2011</b> , 84, 452-459	3.3	63
15	Video-to-shot tag allocation by weighted sparse group lasso <b>2011</b> ,		5



14	POP algorithm: Kernel-based imputation to treat missing values in knowledge discovery from databases. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 2794-2804	7.8	39
13	Estimating confidence intervals for structural differences between contrast groups with missing data. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 6431-6438	7.8	2
12	Missing Data Analysis: A Kernel-Based Multi-Imputation Approach. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 122-142	0.9	6
11	Missing Value Imputation Based on Data Clustering <b>2008</b> , 128-138		31
10	Mining follow-up correlation patterns from time-related databases. <i>Knowledge and Information Systems</i> , <b>2008</b> , 14, 81-100	2.4	5
9	NIIA: Nonparametric Iterative Imputation Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 544-555	0.9	
8	Semi-parametric optimization for missing data imputation. <i>Applied Intelligence</i> , <b>2007</b> , 27, 79-88	4.9	78
7	GBKII: An Imputation Method for Missing Values <b>2007</b> , 1080-1087		21
6	Cost-Time Sensitive Decision Tree with Missing Values <b>2007</b> , 447-459		4
5	Clustering-based Missing Value Imputation for Data Preprocessing <b>2006</b> ,		31
4	Optimized Parameters for Missing Data Imputation. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 1010-1016	0.9	5
3	Identifying Follow-Correlation Itemset-Pairs. <i>IEEE International Conference on Data Mining</i> , <b>2006</b> ,		5
2	One-step spectral rotation clustering with balanced constrains. <i>World Wide Web</i> ,1	2.9	0
1	Robust Multi-view Classification with Sample Constraints. <i>Neural Processing Letters</i> ,1	2.4	