Daoqiang Zhang

List of Publications by Year
in descending order

135 papers	10,322 citations	53660 45 h-index	34900 98 g-index
136 all docs	136 docs citations	136 times ranked	7401 citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal classification of Alzheimer's disease and mild cognitive impairment. NeuroImage, 2011, 55, 856-867.	2.1	1,081
2	Robust Image Segmentation Using FCM With Spatial Constraints Based on New Kernel-Induced Distance Measure. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1907-1916.	5.5	944
3	Fast and robust fuzzy c-means clustering algorithms incorporating local information for image segmentation. Pattern Recognition, 2007, 40, 825-838.	5.1	937
4	Multi-modal multi-task learning for joint prediction of multiple regression and classification variables in Alzheimer's disease. NeuroImage, 2012, 59, 895-907.	2.1	576
5	: Two-directional two-dimensional PCA for efficient face representation and recognition. Neurocomputing, 2005, 69, 224-231.	3.5	545
6	Identification of MCI individuals using structural and functional connectivity networks. NeuroImage, 2012, 59, 2045-2056.	2.1	334
7	Ensemble sparse classification of Alzheimer's disease. NeuroImage, 2012, 60, 1106-1116.	2.1	278
8	Semi-Supervised Dimensionality Reduction. , 2007, , .		241
9	Predicting Future Clinical Changes of MCI Patients Using Longitudinal and Multimodal Biomarkers. PLoS ONE, 2012, 7, e33182.	1.1	226
10	Constraint Score: A new filter method for feature selection with pairwise constraints. Pattern Recognition, 2008, 41, 1440-1451.	5.1	179
11	Relationship Induced Multi-Template Learning for Diagnosis of Alzheimer's Disease and Mild Cognitive Impairment. IEEE Transactions on Medical Imaging, 2016, 35, 1463-1474.	5.4	165
12	Group-constrained sparse fMRI connectivity modeling for mild cognitive impairment identification. Brain Structure and Function, 2014, 219, 641-656.	1.2	160
13	A new face recognition method based on SVD perturbation for single example image per person. Applied Mathematics and Computation, 2005, 163, 895-907.	1.4	150
14	Adaptive Feature Selection Guided Deep Forest for COVID-19 Classification With Chest CT. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2798-2805.	3.9	149
15	Domain Transfer Learning for MCI Conversion Prediction. IEEE Transactions on Biomedical Engineering, 2015, 62, 1805-1817.	2.5	148
16	Enhanced (PC)2A for face recognition with one training image per person. Pattern Recognition Letters, 2004, 25, 1173-1181.	2.6	145
17	Integration of Network Topological and Connectivity Properties for Neuroimaging Classification. IEEE Transactions on Biomedical Engineering, 2014, 61, 576-589.	2.5	125
18	Diagonal principal component analysis for face recognition. Pattern Recognition, 2006, 39, 140-142.	5.1	118

#	Article	IF	Citations
19	Manifold regularized multitask feature learning for multimodality disease classification. Human Brain Mapping, 2015, 36, 489-507.	1.9	114
20	Hierarchical fusion of features and classifier decisions for Alzheimer's disease diagnosis. Human Brain Mapping, 2014, 35, 1305-1319.	1.9	113
21	Hyper-connectivity of functional networks for brain disease diagnosis. Medical Image Analysis, 2016, 32, 84-100.	7.0	113
22	A Survey on Deep Learning for Neuroimaging-Based Brain Disorder Analysis. Frontiers in Neuroscience, 2020, 14, 779.	1.4	111
23	Two-Stage Cost-Sensitive Learning for Software Defect Prediction. IEEE Transactions on Reliability, 2014, 63, 676-686.	3.5	110
24	Identifying Autism Spectrum Disorder With Multi-Site fMRI via Low-Rank Domain Adaptation. IEEE Transactions on Medical Imaging, 2020, 39, 644-655.	5.4	109
25	A generative probability model of joint label fusion for multi-atlas based brain segmentation. Medical Image Analysis, 2014, 18, 881-890.	7.0	107
26	Semi-supervised clustering with metric learning: An adaptive kernel method. Pattern Recognition, 2010, 43, 1320-1333.	5.1	99
27	Multi-modal neuroimaging feature selection with consistent metric constraint for diagnosis of Alzheimer's disease. Medical Image Analysis, 2020, 60, 101625.	7.0	99
28	Topological graph kernel on multiple thresholded functional connectivity networks for mild cognitive impairment classification. Human Brain Mapping, 2014, 35, 2876-2897.	1.9	98
29	Inherent Structure-Based Multiview Learning With Multitemplate Feature Representation for Alzheimer's Disease Diagnosis. IEEE Transactions on Biomedical Engineering, 2016, 63, 1473-1482.	2.5	96
30	Dual Attention Multi-Instance Deep Learning for Alzheimer's Disease Diagnosis With Structural MRI. IEEE Transactions on Medical Imaging, 2021, 40, 2354-2366.	5.4	94
31	View‐centralized multi‐atlas classification for Alzheimer's disease diagnosis. Human Brain Mapping, 2015, 36, 1847-1865.	1.9	88
32	Feature extraction approaches based on matrix pattern: MatPCA and MatFLDA. Pattern Recognition Letters, 2005, 26, 1157-1167.	2.6	86
33	Multimodal manifold-regularized transfer learning for MCI conversion prediction. Brain Imaging and Behavior, 2015, 9, 913-926.	1.1	81
34	Semisupervised Dimensionality Reduction With Pairwise Constraints for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 369-373.	1.4	80
35	Pairwise Constraint-Guided Sparse Learning for Feature Selection. IEEE Transactions on Cybernetics, 2016, 46, 298-310.	6.2	75
36	Spatial-Temporal Dependency Modeling and Network Hub Detection for Functional MRI Analysis via Convolutional-Recurrent Network. IEEE Transactions on Biomedical Engineering, 2020, 67, 2241-2252.	2.5	74

#	Article	IF	Citations
37	Label-aligned multi-task feature learning for multimodal classification of Alzheimer's disease and mild cognitive impairment. Brain Imaging and Behavior, 2016, 10, 1148-1159.	1.1	72
38	Sub-Network Kernels for Measuring Similarity of Brain Connectivity Networks in Disease Diagnosis. IEEE Transactions on Image Processing, 2018, 27, 2340-2353.	6.0	72
39	Hypergraph based multi-task feature selection for multimodal classification of Alzheimer's disease. Computerized Medical Imaging and Graphics, 2020, 80, 101663.	3.5	72
40	Joint Binary Classifier Learning for ECOC-Based Multi-Class Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 2335-2341.	9.7	71
41	A New Canonical Correlation Analysis Algorithm with Local Discrimination. Neural Processing Letters, 2010, 31, 1-15.	2.0	70
42	Multi-Domain Transfer Learning for Early Diagnosis of Alzheimer's Disease. Neuroinformatics, 2017, 15, 115-132.	1.5	65
43	Comments on "Efficient and Robust Feature Extraction by Maximum Margin Criterion. IEEE Transactions on Neural Networks, 2007, 18, 1862-1864.	4.8	53
44	Robust multi-label transfer feature learning for early diagnosis of Alzheimer's disease. Brain Imaging and Behavior, 2019, 13, 138-153.	1.1	50
45	Network-based classification of ADHD patients using discriminative subnetwork selection and graph kernel PCA. Computerized Medical Imaging and Graphics, 2016, 52, 82-88.	3.5	49
46	Temporally Constrained Group Sparse Learning for Longitudinal Data Analysis in Alzheimer's Disease. IEEE Transactions on Biomedical Engineering, 2017, 64, 238-249.	2.5	49
47	A Multiobjective Simultaneous Learning Framework for Clustering and Classification. IEEE Transactions on Neural Networks, 2010, 21, 185-200.	4.8	47
48	Anatomical Attention Guided Deep Networks for ROI Segmentation of Brain MR Images. IEEE Transactions on Medical Imaging, 2020, 39, 2000-2012.	5.4	46
49	Bagging Constraint Score for feature selection with pairwise constraints. Pattern Recognition, 2010, 43, 2106-2118.	5.1	45
50	A New Locality-Preserving Canonical Correlation Analysis Algorithm for Multi-View Dimensionality Reduction. Neural Processing Letters, 2013, 37, 135-146.	2.0	45
51	Learning the kernel parameters in kernel minimum distance classifier. Pattern Recognition, 2006, 39, 133-135.	5.1	44
52	Pattern Representation in Feature Extraction and Classifier Design: Matrix Versus Vector. IEEE Transactions on Neural Networks, 2008, 19, 758-769.	4.8	44
53	Attribute relation learning for zero-shot classification. Neurocomputing, 2014, 139, 34-46.	3.5	43
54	Sparse Patch-Based Label Fusion for Multi-Atlas Segmentation. Lecture Notes in Computer Science, 2012, , 94-102.	1.0	43

#	Article	IF	Citations
55	ASMFS: Adaptive-similarity-based multi-modality feature selection for classification of Alzheimer's disease. Pattern Recognition, 2022, 126, 108566.	5.1	39
56	Domain Transfer Learning for MCI Conversion Prediction. Lecture Notes in Computer Science, 2012, 15, 82-90.	1.0	38
57	Ordinal Pattern: A New Descriptor for Brain Connectivity Networks. IEEE Transactions on Medical Imaging, 2018, 37, 1711-1722.	5.4	37
58	Discriminative multi-task feature selection for multi-modality classification of Alzheimer's disease. Brain Imaging and Behavior, 2016, 10, 739-749.	1.1	36
59	Multi-task exclusive relationship learning for alzheimer's disease progression prediction with longitudinal data. Medical Image Analysis, 2019, 53, 111-122.	7.0	36
60	Feature selection with effective distance. Neurocomputing, 2016, 215, 100-109.	3.5	35
61	Robust multi-atlas label propagation by deep sparse representation. Pattern Recognition, 2017, 63, 511-517.	5.1	31
62	Identifying disease-related subnetwork connectome biomarkers by sparse hypergraph learning. Brain Imaging and Behavior, 2019, 13, 879-892.	1.1	31
63	Discovering network phenotype between genetic risk factors and disease status via diagnosis-aligned multi-modality regression method in Alzheimer's disease. Bioinformatics, 2019, 35, 1948-1957.	1.8	31
64	High-Order Feature Learning for Multi-Atlas Based Label Fusion: Application to Brain Segmentation With MRI. IEEE Transactions on Image Processing, 2020, 29, 2702-2713.	6.0	30
65	Manifold Regularized Multi-Task Feature Selection for Multi-Modality Classification in Alzheimer's Disease. Lecture Notes in Computer Science, 2013, 16, 275-283.	1.0	30
66	SPARSITY SCORE: A NOVEL GRAPH-PRESERVING FEATURE SELECTION METHOD. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1450009.	0.7	28
67	A simultaneous learning framework for clustering and classification. Pattern Recognition, 2009, 42, 1248-1259.	5.1	27
68	Locality sensitive C-means clustering algorithms. Neurocomputing, 2010, 73, 2935-2943.	3.5	27
69	A novel ensemble construction method for multi-view data using random cross-view correlation between within-class examples. Pattern Recognition, 2011, 44, 1162-1171.	5.1	27
70	Identifying Multimodal Intermediate Phenotypes Between Genetic Risk Factors and Disease Status in Alzheimer's Disease. Neuroinformatics, 2016, 14, 439-452.	1.5	26
71	Multi-modal AD classification via self-paced latent correlation analysis. Neurocomputing, 2019, 355, 143-154.	3.5	26
72	Semi-supervised multimodal classification of alzheimer's disease. , 2011, , .		24

#	Article	IF	Citations
73	Frequent and Discriminative Subnetwork Mining for Mild Cognitive Impairment Classification. Brain Connectivity, 2014, 4, 347-360.	0.8	24
74	Modeling dynamic characteristics of brain functional connectivity networks using resting-state functional MRI. Medical Image Analysis, 2021, 71, 102063.	7.0	24
75	Robust fuzzy relational classifier incorporating the soft class labels. Pattern Recognition Letters, 2007, 28, 2250-2263.	2.6	22
76	Human cell structure-driven model construction for predicting protein subcellular location from biological images. Bioinformatics, 2016, 32, 114-121.	1.8	22
77	Identifying Informative Imaging Biomarkers via Tree Structured Sparse Learning for AD Diagnosis. Neuroinformatics, 2014, 12, 381-394.	1.5	21
78	Brain Connectivity Hyper-Network for MCI Classification. Lecture Notes in Computer Science, 2014, 17, 724-732.	1.0	21
79	Semi-Supervised Multimodal Relevance Vector Regression Improves Cognitive Performance Estimation from Imaging and Biological Biomarkers. Neuroinformatics, 2013, 11, 339-353.	1.5	20
80	Canonical sparse cross-view correlation analysis. Neurocomputing, 2016, 191, 263-272.	3.5	20
81	Hybrid Functional Brain Network With First-Order and Second-Order Information for Computer-Aided Diagnosis of Schizophrenia. Frontiers in Neuroscience, 2019, 13, 603.	1.4	19
82	Tree-Guided Sparse Coding for Brain Disease Classification. Lecture Notes in Computer Science, 2012, 15, 239-247.	1.0	18
83	Identification of Conversion from Normal Elderly Cognition to Alzheimer's Disease using Multimodal Support Vector Machine. Journal of Alzheimer's Disease, 2015, 47, 1057-1067.	1.2	16
84	Deep model-based feature extraction for predicting protein subcellular localizations from bio-images. Frontiers of Computer Science, 2017, 11, 243-252.	1.6	16
85	An Organelle Correlation-Guided Feature Selection Approach for Classifying Multi-Label Subcellular Bio-Images. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 828-838.	1.9	16
86	Temporally-Constrained Group Sparse Learning for Longitudinal Data Analysis. Lecture Notes in Computer Science, 2012, 15, 264-271.	1.0	15
87	Functional Connectivity Network Analysis with Discriminative Hub Detection for Brain Disease Identification. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 1198-1205.	3.6	14
88	Reliability-based robust multi-atlas label fusion for brain MRI segmentation. Artificial Intelligence in Medicine, 2019, 96, 12-24.	3.8	12
89	Hierarchical Structured Sparse Learning for Schizophrenia Identification. Neuroinformatics, 2020, 18, 43-57.	1.5	12
90	Hierarchical Ensemble of Multi-level Classifiers for Diagnosis of Alzheimer's Disease. Lecture Notes in Computer Science, 2012, , 27-35.	1.0	12

#	Article	IF	Citations
91	Latent correlation embedded discriminative multi-modal data fusion. Signal Processing, 2020, 171, 107466.	2.1	11
92	Identifying Genetic Associations with MRI-derived Measures via Tree-Guided Sparse Learning. Lecture Notes in Computer Science, 2014, 17, 757-764.	1.0	11
93	Machine Learning Techniques for AD/MCI Diagnosis and Prognosis. Intelligent Systems Reference Library, 2014, , 147-179.	1.0	11
94	Multi-view dimensionality reduction via canonical random correlation analysis. Frontiers of Computer Science, 2016, 10, 856-869.	1.6	10
95	A novel node-level structure embedding and alignment representation of structural networks for brain disease analysis. Medical Image Analysis, 2020, 65, 101755.	7.0	10
96	Adaptive Kernel Principal Component Analysis with Unsupervised Learning of Kernels. IEEE International Conference on Data Mining, 2006, , .	0.0	8
97	Multi-modal dimensionality reduction using effective distance. Neurocomputing, 2017, 259, 130-139.	3.5	8
98	Coherent Pattern in Multi-Layer Brain Networks: Application to Epilepsy Identification. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2609-2620.	3.9	8
99	Identify Complex Imaging Genetic Patterns via Fusion Self-Expressive Network Analysis. IEEE Transactions on Medical Imaging, 2021, 40, 1673-1686.	5.4	8
100	Unified Brain Network with Functional and Structural Data. Lecture Notes in Computer Science, 2020, , 114-123.	1.0	8
101	Recognizing Face or Object from a Single Image: Linear vs. Kernel Methods on 2D Patterns. Lecture Notes in Computer Science, 2006, , 889-897.	1.0	7
102	Ordinal Patterns for Connectivity Networks in Brain Disease Diagnosis. Lecture Notes in Computer Science, 2016, , 1-9.	1.0	7
103	Node Based Row-Filter Convolutional Neural Network for Brain Network Classification. Lecture Notes in Computer Science, 2018, , 1069-1080.	1.0	7
104	Subnetwork mining on functional connectivity network for classification of minimal hepatic encephalopathy. Brain Imaging and Behavior, 2018, 12, 901-911.	1.1	6
105	Multimodal Brain Network Jointly Construction and Fusion for Diagnosis of Epilepsy. Frontiers in Neuroscience, 2021, 15, 734711.	1.4	6
106	MultiCost: Multi-stage Cost-sensitive Classification of Alzheimer's Disease. Lecture Notes in Computer Science, 2011, , 344-351.	1.0	6
107	Transport-Based Joint Distribution Alignment for Multi-site Autism Spectrum Disorder Diagnosis Using Resting-State fMRI. Lecture Notes in Computer Science, 2020, , 444-453.	1.0	6
108	Identify connectome between genotypes and brain network phenotypes via deep self-reconstruction sparse canonical correlation analysis. Bioinformatics, 2022, 38, 2323-2332.	1.8	6

#	ARTICLE	IF	CITATIONS
109	Pairwise feature-based generative adversarial network for incomplete multi-modal Alzheimer's disease diagnosis. Visual Computer, 2023, 39, 2235-2244.	2.5	6
110	Sub-network Based Kernels for Brain Network Classification. , 2016, , .		5
111	Discriminative Multi-task Feature Selection for Multi-modality Based AD/MCI Classification. , 2015, , .		4
112	Iterative sparsity score for feature selection and its extension for multimodal data. Neurocomputing, 2017, 259, 146-153.	3.5	4
113	Integrating Multiple Network Properties for MCI Identification. Lecture Notes in Computer Science, 2013, , 9-16.	1.0	4
114	Ensemble Universum SVM Learning for Multimodal Classification of Alzheimer's Disease. Lecture Notes in Computer Science, 2013, , 227-234.	1.0	4
115	Learning mid-perpendicular hyperplane similarity from cannot-link constraints. Neurocomputing, 2013, 113, 195-203.	3.5	3
116	Multi-modality feature selection with adaptive similarity learning for classification of Alzheimer's disease. , 2018, , .		3
117	Kernel based statistic: identifying topological differences in brain networks. Intelligent Medicine, 2022, 2, 30-40.	1.6	3
118	Graph-In-Graph Convolutional Networks For Brain Disease Diagnosis. , 2021, , .		3
119	Constructing High-Order Dynamic Functional Connectivity Networks from Resting-State fMRI for Brain Dementia Identification. Lecture Notes in Computer Science, 2020, , 303-311.	1.0	3
120	Sparse Multimodal Manifold-Regularized Transfer Learning for MCI Conversion Prediction. Lecture Notes in Computer Science, 2013, , 251-259.	1.0	3
121	GACDN: generative adversarial feature completion and diagnosis network for COVID-19. BMC Medical Imaging, 2021, 21, 154.	1.4	3
122	Predicting Clinical Scores Using Semi-supervised Multimodal Relevance Vector Regression. Lecture Notes in Computer Science, 2011, , 241-248.	1.0	3
123	Diagnosis of Mild Cognitive Impairment With Ordinal Pattern Kernel. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1030-1040.	2.7	3
124	Multi-modality Low-Rank Learning Fused First-Order and Second-Order Information for Computer-Aided Diagnosis of Schizophrenia. Lecture Notes in Computer Science, 2019, , 356-368.	1.0	2
125	Combining Multiple Network Features for Mild Cognitive Impairment Classification. , 2014, , .		1
126	Multi-level Multi-task Structured Sparse Learning for Diagnosis of Schizophrenia Disease. Lecture Notes in Computer Science, 2017, 10435, 46-54.	1.0	1

#	Article	IF	Citations
127	Multi-modality Feature Learning in Diagnoses of Alzheimer's Disease. Intelligent Systems Reference Library, 2018, , 3-30.	1.0	1
128	Brain Disease Classification and Progression Using Machine Learning Techniques. , 2014, , 3-32.		1
129	Inherent Structure-Guided Multi-view Learning for Alzheimer's Disease and Mild Cognitive Impairment Classification. Lecture Notes in Computer Science, 2015, 9352, 296-303.	1.0	1
130	Multimodal Multi-label Transfer Learning for Early Diagnosis of Alzheimer's Disease. Lecture Notes in Computer Science, 2015, , 238-245.	1.0	1
131	Adaptive Thresholding of Functional Connectivity Networks for fMRI-Based Brain Disease Analysis. Lecture Notes in Computer Science, 2019, , 18-26.	1.0	1
132	The New Graph Kernels on Connectivity Networks for Identification of MCI. Lecture Notes in Computer Science, 2016, , 12-20.	1.0	0
133	Semi-supervised feature selection with sparse representation for hyperspectral image classification. International Journal of Machine Intelligence and Sensory Signal Processing, 2017, 2, 67.	0.2	0
134	Relationship Induced Multi-atlas Learning for Alzheimer's Disease Diagnosis. Lecture Notes in Computer Science, 2016, , 24-33.	1.0	0
135	Label-Alignment-Based Multi-Task Feature Selection for Multimodal Classification of Brain Disease. Lecture Notes in Computer Science, 2016, , 51-59.	1.0	0