

Mingxia Liu

List of Publications by Citations

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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.

111
papers

2,878
citations

34
h-index

51
g-index

118
ext. papers

4,005
ext. citations

6
avg, IF

6.2
L-index

#	Paper	IF	Citations
111	Landmark-based deep multi-instance learning for brain disease diagnosis. <i>Medical Image Analysis</i> , 2018 , 43, 157-168	15.4	183
110	Hierarchical Fully Convolutional Network for Joint Atrophy Localization and Alzheimer's Disease Diagnosis Using Structural MRI. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 880-893	13.3	136
109	Relationship Induced Multi-Template Learning for Diagnosis of Alzheimer's Disease and Mild Cognitive Impairment. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 1463-74	11.7	120
108	Domain Transfer Learning for MCI Conversion Prediction. <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 1805-1817	5	101
107	Detecting Anatomical Landmarks From Limited Medical Imaging Data Using Two-Stage Task-Oriented Deep Neural Networks. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4753-4764	8.7	99
106	Joint Classification and Regression via Deep Multi-Task Multi-Channel Learning for Alzheimer's Disease Diagnosis. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 1195-1206	5	93
105	. <i>IEEE Transactions on Reliability</i> , 2014 , 63, 676-686	4.6	85
104	View-aligned hypergraph learning for Alzheimer's disease diagnosis with incomplete multi-modality data. <i>Medical Image Analysis</i> , 2017 , 36, 123-134	15.4	82
103	Alzheimer's Disease Diagnosis Using Landmark-Based Features From Longitudinal Structural MR Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017 , 21, 1607-1616	7.2	81
102	View-centralized multi-atlas classification for Alzheimer's disease diagnosis. <i>Human Brain Mapping</i> , 2015 , 36, 1847-65	5.9	74
101	Anatomical Landmark Based Deep Feature Representation for MR Images in Brain Disease Diagnosis. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018 , 22, 1476-1485	7.2	72
100	Strength and Similarity Guided Group-level Brain Functional Network Construction for MCI Diagnosis. <i>Pattern Recognition</i> , 2019 , 88, 421-430	7.7	70
99	Integration of temporal and spatial properties of dynamic connectivity networks for automatic diagnosis of brain disease. <i>Medical Image Analysis</i> , 2018 , 47, 81-94	15.4	66
98	Pairwise Constraint-Guided Sparse Learning for Feature Selection. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 298-310	10.2	64
97	Inherent Structure-Based Multiview Learning With Multitemplate Feature Representation for Alzheimer's Disease Diagnosis. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1473-82	5	64
96	Multi-channel multi-scale fully convolutional network for 3D perivascular spaces segmentation in 7T MR images. <i>Medical Image Analysis</i> , 2018 , 46, 106-117	15.4	58
95	Joint Binary Classifier Learning for ECOC-Based Multi-Class Classification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 2335-2341	13.3	56

94	Identifying Autism Spectrum Disorder With Multi-Site fMRI via Low-Rank Domain Adaptation. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 644-655	11.7	56
93	Latent Representation Learning for Alzheimer's Disease Diagnosis With Incomplete Multi-Modality Neuroimaging and Genetic Data. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2411-2422	11.7	55
92	Multimodal manifold-regularized transfer learning for MCI conversion prediction. <i>Brain Imaging and Behavior</i> , 2015 , 9, 913-26	4.1	52
91	Label-aligned multi-task feature learning for multimodal classification of Alzheimer's disease and mild cognitive impairment. <i>Brain Imaging and Behavior</i> , 2016 , 10, 1148-1159	4.1	45
90	Synthesizing Missing PET from MRI with Cycle-consistent Generative Adversarial Networks for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 455-463	0.9	45
89	Multi-Domain Transfer Learning for Early Diagnosis of Alzheimer's Disease. <i>Neuroinformatics</i> , 2017 , 15, 115-132	3.2	43
88	Sub-Network Kernels for Measuring Similarity of Brain Connectivity Networks in Disease Diagnosis. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 2340-2353	8.7	42
87	Volume-Based Analysis of 6-Month-Old Infant Brain MRI for Autism Biomarker Identification and Early Diagnosis. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 411-419	0.9	41
86	A Survey on Deep Learning for Neuroimaging-Based Brain Disorder Analysis. <i>Frontiers in Neuroscience</i> , 2020 , 14, 779	5.1	40
85	Attribute relation learning for zero-shot classification. <i>Neurocomputing</i> , 2014 , 139, 34-46	5.4	39
84	Temporally Constrained Group Sparse Learning for Longitudinal Data Analysis in Alzheimer's Disease. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 238-249	5	37
83	Deep Learning for Fast and Spatially Constrained Tissue Quantification From Highly Accelerated Data in Magnetic Resonance Fingerprinting. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2364-2374	11.7	37
82	Domain Adaptation for Medical Image Analysis: A Survey. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , PP,	5	36
81	Synergistic learning of lung lobe segmentation and hierarchical multi-instance classification for automated severity assessment of COVID-19 in CT images. <i>Pattern Recognition</i> , 2021 , 113, 107828	7.7	36
80	First-year development of modules and hubs in infant brain functional networks. <i>NeuroImage</i> , 2019 , 185, 222-235	7.9	36
79	Brain-Wide Genome-Wide Association Study for Alzheimer's Disease via Joint Projection Learning and Sparse Regression Model. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 165-175	5	36
78	MRI-based prostate cancer detection with high-level representation and hierarchical classification. <i>Medical Physics</i> , 2017 , 44, 1028-1039	4.4	35
77	Spatial-Temporal Dependency Modeling and Network Hub Detection for Functional MRI Analysis via Convolutional-Recurrent Network. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 2241-2252	5	30

76	Robust multi-label transfer feature learning for early diagnosis of Alzheimer's disease. <i>Brain Imaging and Behavior</i> , 2019 , 13, 138-153	4.1	29
75	Feature selection with effective distance. <i>Neurocomputing</i> , 2016 , 215, 100-109	5.4	28
74	Weakly Supervised Deep Learning for Brain Disease Prognosis Using MRI and Incomplete Clinical Scores. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3381-3392	10.2	27
73	Multi-modal latent space inducing ensemble SVM classifier for early dementia diagnosis with neuroimaging data. <i>Medical Image Analysis</i> , 2020 , 60, 101630	15.4	27
72	Context-guided fully convolutional networks for joint craniomaxillofacial bone segmentation and landmark digitization. <i>Medical Image Analysis</i> , 2020 , 60, 101621	15.4	27
71	SPARSITY SCORE: A NOVEL GRAPH-PRESERVING FEATURE SELECTION METHOD. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2014 , 28, 1450009	1.1	24
70	Multi-Hypergraph Learning for Incomplete Multimodality Data. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018 , 22, 1197-1208	7.2	22
69	Deep Multi-Task Multi-Channel Learning for Joint Classification and Regression of Brain Status. <i>Lecture Notes in Computer Science</i> , 2017 , 10435, 3-11	0.9	22
68	A Mutual Multi-Scale Triplet Graph Convolutional Network for Classification of Brain Disorders Using Functional or Structural Connectivity. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 1279-1289	11.7	22
67	Ordinal Pattern: A New Descriptor for Brain Connectivity Networks. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1711-1722	11.7	20
66	Joint Craniomaxillofacial Bone Segmentation and Landmark Digitization by Context-Guided Fully Convolutional Networks. <i>Lecture Notes in Computer Science</i> , 2017 , 10434, 720-728	0.9	20
65	Multi-task exclusive relationship learning for alzheimer's disease progression prediction with longitudinal data. <i>Medical Image Analysis</i> , 2019 , 53, 111-122	15.4	19
64	Early Diagnosis of Autism Disease by Multi-channel CNNs. <i>Lecture Notes in Computer Science</i> , 2018 , 11046, 303-309	0.9	19
63	Spatially-Constrained Fisher Representation for Brain Disease Identification With Incomplete Multi-Modal Neuroimages. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2965-2975	11.7	18
62	A Hierarchical Feature and Sample Selection Framework and Its Application for Alzheimer's Disease Diagnosis. <i>Scientific Reports</i> , 2017 , 7, 45269	4.9	16
61	High-order Feature Learning for Multi-atlas based Label Fusion: Application to Brain Segmentation with MRI. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	15
60	Attention-Guided Hybrid Network for Dementia Diagnosis With Structural MR Images. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	15
59	Graph-Kernel Based Structured Feature Selection for Brain Disease Classification Using Functional Connectivity Networks. <i>IEEE Access</i> , 2019 , 7, 35001-35011	3.5	14

58	Low-Rank Representation for Multi-center Autism Spectrum Disorder Identification. <i>Lecture Notes in Computer Science</i> , 2018 , 11070, 647-654	0.9	14
57	Anatomy-guided joint tissue segmentation and topological correction for 6-month infant brain MRI with risk of autism. <i>Human Brain Mapping</i> , 2018 , 39, 2609-2623	5.9	13
56	Anatomical Attention Guided Deep Networks for ROI Segmentation of Brain MR Images. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2000-2012	11.7	13
55	Designing weighted correlation kernels in convolutional neural networks for functional connectivity based brain disease diagnosis. <i>Medical Image Analysis</i> , 2020 , 63, 101709	15.4	12
54	Multi-site MRI harmonization via attention-guided deep domain adaptation for brain disorder identification. <i>Medical Image Analysis</i> , 2021 , 71, 102076	15.4	12
53	Multi-Scale Context-Guided Deep Network for Automated Lesion Segmentation With Endoscopy Images of Gastrointestinal Tract. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 514-525	7.2	11
52	Human cell structure-driven model construction for predicting protein subcellular location from biological images. <i>Bioinformatics</i> , 2016 , 32, 114-21	7.2	9
51	Multiview Feature Learning With Multiatlas-Based Functional Connectivity Networks for MCI Diagnosis. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	9
50	End-to-End Dementia Status Prediction from Brain MRI Using Multi-task Weakly-Supervised Attention Network. <i>Lecture Notes in Computer Science</i> , 2019 , 158-167	0.9	9
49	Triplet Graph Convolutional Network for Multi-scale Analysis of Functional Connectivity Using Functional MRI. <i>Lecture Notes in Computer Science</i> , 2019 , 70-78	0.9	9
48	Estimating sparse functional connectivity networks via hyperparameter-free learning model. <i>Artificial Intelligence in Medicine</i> , 2021 , 111, 102004	7.4	9
47	Diagnosis of Alzheimer's Disease Using View-Aligned Hypergraph Learning with Incomplete Multi-modality Data. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 308-316	0.9	7
46	Semi-supervised Hierarchical Multimodal Feature and Sample Selection for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 79-87	0.9	7
45	Multi-site clustering and nested feature extraction for identifying autism spectrum disorder with resting-state fMRI. <i>Medical Image Analysis</i> , 2021 , 75, 102279	15.4	7
44	Hypergraph regularized sparse feature learning. <i>Neurocomputing</i> , 2017 , 237, 185-192	5.4	6
43	Ordinal Patterns for Connectivity Networks in Brain Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2016 , 1-9	0.9	6
42	Multi-modal Neuroimaging Data Fusion via Latent Space Learning for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2018 , 11121, 76-84	0.9	6
41	Joint Neuroimage Synthesis and Representation Learning for Conversion Prediction of Subjective Cognitive Decline. <i>Lecture Notes in Computer Science</i> , 2020 , 583-592	0.9	5

40	Multi-Task Weakly-Supervised Attention Network for Dementia Status Estimation With Structural MRI. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	5
39	Auroral event representation based on the n-ary fusion of multiple oriented energies. <i>Neurocomputing</i> , 2017 , 253, 42-48	5.4	4
38	Unsupervised Conditional Consensus Adversarial Network for Brain Disease Identification with Structural MRI. <i>Lecture Notes in Computer Science</i> , 2019 , 391-399	0.9	4
37	Towards evaluating the robustness of deep diagnostic models by adversarial attack. <i>Medical Image Analysis</i> , 2021 , 69, 101977	15.4	4
36	Sub-network Based Kernels for Brain Network Classification 2016 ,		4
35	Hierarchical Structured Sparse Learning for Schizophrenia Identification. <i>Neuroinformatics</i> , 2020 , 18, 43-57	3.2	4
34	Joint fully convolutional and graph convolutional networks for weakly-supervised segmentation of pathology images. <i>Medical Image Analysis</i> , 2021 , 73, 102183	15.4	4
33	Reliability-based robust multi-atlas label fusion for brain MRI segmentation. <i>Artificial Intelligence in Medicine</i> , 2019 , 96, 12-24	7.4	3
32	Inter-subject Similarity Guided Brain Network Modeling for MCI Diagnosis. <i>Lecture Notes in Computer Science</i> , 2017 , 10541, 168-175	0.9	3
31	Multi-Scale Graph Representation Learning for Autism Identification With Functional MRI.. <i>Frontiers in Neuroinformatics</i> , 2021 , 15, 802305	3.9	3
30	Assessing clinical progression from subjective cognitive decline to mild cognitive impairment with incomplete multi-modal neuroimages. <i>Medical Image Analysis</i> , 2021 , 75, 102266	15.4	3
29	Anatomical-Landmark-Based Deep Learning for Alzheimer's Disease Diagnosis with Structural Magnetic Resonance Imaging. <i>Intelligent Systems Reference Library</i> , 2020 , 127-147	0.8	3
28	Developing Novel Weighted Correlation Kernels for Convolutional Neural Networks to Extract Hierarchical Functional Connectivities from fMRI for Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2018 , 11046, 1-9	0.9	3
27	Modularity-Guided Functional Brain Network Analysis for Early-Stage Dementia Identification. <i>Frontiers in Neuroscience</i> , 2021 , 15, 720909	5.1	3
26	Group-Wise Learning for Aurora Image Classification With Multiple Representations. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4112-4124	10.2	2
25	End-to-End Dementia Status Prediction from Brain MRI Using Multi-task Weakly-Supervised Attention Network 2019 , 11767, 158-167		2
24	Deep Learning for Fast and Spatially-Constrained Tissue Quantification from Highly-Undersampled Data in Magnetic Resonance Fingerprinting (MRF). <i>Lecture Notes in Computer Science</i> , 2018 , 11046, 398-403	0.9	2
23	Temporal-Adaptive Graph Convolutional Network for Automated Identification of Major Depressive Disorder Using Resting-State fMRI. <i>Lecture Notes in Computer Science</i> , 2020 , 1-10	0.9	2

22	Attention-Guided Deep Domain Adaptation for Brain Dementia Identification with Multi-site Neuroimaging Data. <i>Lecture Notes in Computer Science</i> , 2020 , 31-40	0.9	2
21	High-Order Laplacian Regularized Low-Rank Representation for Multimodal Dementia Diagnosis. <i>Frontiers in Neuroscience</i> , 2021 , 15, 634124	5.1	2
20	Multi-Source Domain Adaptation via Optimal Transport for Brain Dementia Identification 2021 ,		2
19	Modeling dynamic characteristics of brain functional connectivity networks using resting-state functional MRI. <i>Medical Image Analysis</i> , 2021 , 71, 102063	15.4	2
18	Querying Representative and Informative Super-Pixels for Filament Segmentation in Bioimages. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020 , 17, 1394-1405	3	2
17	Deep Bayesian Hashing With Center Prior for Multi-Modal Neuroimage Retrieval. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 503-513	11.7	2
16	Characterizing MRI biomarkers for early prediction of amnesic mild cognitive impairment among the community-dwelling Chinese. <i>Alzheimer's and Dementia</i> , 2020 , 16, e041450	1.2	1
15	Landmark-Based Alzheimer's Disease Diagnosis Using Longitudinal Structural MR Images. <i>Lecture Notes in Computer Science</i> , 2016 , 10081, 35-45	0.9	1
14	Linking Adolescent Brain MRI to Obesity via Deep Multi-cue Regression Network. <i>Lecture Notes in Computer Science</i> , 2020 , 111-119	0.9	1
13	LDGAN: Longitudinal-Diagnostic Generative Adversarial Network for Disease Progression Prediction with Missing Structural MRI. <i>Lecture Notes in Computer Science</i> , 2020 , 170-179	0.9	1
12	Automatic Segmentation of 3D Perivascular Spaces in 7T MR Images Using Multi-Channel Fully Convolutional Network 2018 , 2018,	0	1
11	Discriminative-Region-Aware Residual Network for Adolescent Brain Structure and Cognitive Development Analysis. <i>Lecture Notes in Computer Science</i> , 2019 , 138-146	0.9	1
10	Deep Disentangled Hashing with Momentum Triplets for Neuroimage Search. <i>Lecture Notes in Computer Science</i> , 2020 , 12261, 191-201	0.9	1
9	Inherent Structure-Guided Multi-view Learning for Alzheimer's Disease and Mild Cognitive Impairment Classification. <i>Lecture Notes in Computer Science</i> , 2015 , 9352, 296-303	0.9	1
8	Automatic diagnosis of autism based on functional magnetic resonance imaging and elastic net 2020 ,		1
7	Cost-Sensitive Meta-learning for Progress Prediction of Subjective Cognitive Decline with Brain Structural MRI. <i>Lecture Notes in Computer Science</i> , 2021 , 248-258	0.9	1
6	Future Trends of PET/MR and Utility of AI in Multi-Modal Imaging 2022 , 79-86		
5	Deep Learning Models with Applications to Brain Image Analysis 2020 , 433-462		

- 4 Relationship Induced Multi-atlas Learning for Alzheimer's Disease Diagnosis. *Lecture Notes in Computer Science*, **2016**, 24-33 0.9
- 3 Integrating Multimodal MRIs for Adult ADHD Identification with Heterogeneous Graph Attention Convolutional Network. *Lecture Notes in Computer Science*, **2021**, 157-167 0.9
- 2 Machine Learning for Craniomaxillofacial Landmark Digitization of 3D Imaging **2021**, 15-26
- 1 Adaptive Multimodal Neuroimage Integration for Major Depression Disorder Detection.. *Frontiers in Neuroinformatics*, **2022**, 16, 856175 3.9