Mingxia Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2681232/publications.pdf

Version: 2024-02-01

115	5,335	66234	91712
papers	citations	42 h-index	69 g-index

118	118	118	3854
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Landmark-based deep multi-instance learning for brain disease diagnosis. Medical Image Analysis, 2018, 43, 157-168.	7.0	302
2	Hierarchical Fully Convolutional Network for Joint Atrophy Localization and Alzheimer's Disease Diagnosis Using Structural MRI. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 880-893.	9.7	298
3	Domain Adaptation for Medical Image Analysis: A Survey. IEEE Transactions on Biomedical Engineering, 2022, 69, 1173-1185.	2.5	218
4	Joint Classification and Regression via Deep Multi-Task Multi-Channel Learning for Alzheimer's Disease Diagnosis. IEEE Transactions on Biomedical Engineering, 2019, 66, 1195-1206.	2.5	194
5	Relationship Induced Multi-Template Learning for Diagnosis of Alzheimerâ€™s Disease and Mild Cognitive Impairment. IEEE Transactions on Medical Imaging, 2016, 35, 1463-1474.	5.4	165
6	Domain Transfer Learning for MCI Conversion Prediction. IEEE Transactions on Biomedical Engineering, 2015, 62, 1805-1817.	2.5	148
7	Detecting Anatomical Landmarks From Limited Medical Imaging Data Using Two-Stage Task-Oriented Deep Neural Networks. IEEE Transactions on Image Processing, 2017, 26, 4753-4764.	6.0	145
8	Latent Representation Learning for Alzheimerâ€™s Disease Diagnosis With Incomplete Multi-Modality Neuroimaging and Genetic Data. IEEE Transactions on Medical Imaging, 2019, 38, 2411-2422.	5.4	124
9	Integration of temporal and spatial properties of dynamic connectivity networks for automatic diagnosis of brain disease. Medical Image Analysis, 2018, 47, 81-94.	7.0	123
10	Alzheimer's Disease Diagnosis Using Landmark-Based Features From Longitudinal Structural MR Images. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1607-1616.	3.9	121
11	Anatomical Landmark Based Deep Feature Representation for MR Images in Brain Disease Diagnosis. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1476-1485.	3.9	114
12	View-aligned hypergraph learning for Alzheimerâ€™s disease diagnosis with incomplete multi-modality data. Medical Image Analysis, 2017, 36, 123-134.	7.0	113
13	A Survey on Deep Learning for Neuroimaging-Based Brain Disorder Analysis. Frontiers in Neuroscience, 2020, 14, 779.	1.4	111
14	Two-Stage Cost-Sensitive Learning for Software Defect Prediction. IEEE Transactions on Reliability, 2014, 63, 676-686.	3.5	110
15	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
16	Strength and similarity guided group-level brain functional network construction for MCI diagnosis. Pattern Recognition, 2019, 88, 421-430.	5.1	101
17	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
18	Multi-channel multi-scale fully convolutional network for 3D perivascular spaces segmentation in 7T MR images. Medical Image Analysis, 2018, 46, 106-117.	7.0	91

#	Article	IF	Citations
19	Viewâ€centralized multiâ€atlas classification for Alzheimer's disease diagnosis. Human Brain Mapping, 2015, 36, 1847-1865.	1.9	88
20	Multimodal manifold-regularized transfer learning for MCI conversion prediction. Brain Imaging and Behavior, 2015, 9, 913-926.	1.1	81
21	Synthesizing Missing PET from MRI with Cycle-consistent Generative Adversarial Networks for Alzheimerâ€™s Disease Diagnosis. Lecture Notes in Computer Science, 2018, 11072, 455-463.	1.0	80
22	Synergistic learning of lung lobe segmentation and hierarchical multi-instance classification for automated severity assessment of COVID-19 in CT images. Pattern Recognition, 2021, 113, 107828.	5.1	78
23	Deep Learning for Fast and Spatially Constrained Tissue Quantification From Highly Accelerated Data in Magnetic Resonance Fingerprinting. IEEE Transactions on Medical Imaging, 2019, 38, 2364-2374.	5.4	77
24	Pairwise Constraint-Guided Sparse Learning for Feature Selection. IEEE Transactions on Cybernetics, 2016, 46, 298-310.	6.2	75
25	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
26	Label-aligned multi-task feature learning for multimodal classification of Alzheimerâ€™s disease and mild cognitive impairment. Brain Imaging and Behavior, 2016, 10, 1148-1159.	1.1	72
27	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
28	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
29	Context-guided fully convolutional networks for joint craniomaxillofacial bone segmentation and landmark digitization. Medical Image Analysis, 2020, 60, 101621.	7.0	71
30	A Mutual Multi-Scale Triplet Graph Convolutional Network for Classification of Brain Disorders Using Functional or Structural Connectivity. IEEE Transactions on Medical Imaging, 2021, 40, 1279-1289.	5.4	71
31	First-year development of modules and hubs in infant brain functional networks. NeuroImage, 2019, 185, 222-235.	2.1	70
32	Multi-Scale Context-Guided Deep Network for Automated Lesion Segmentation With Endoscopy Images of Gastrointestinal Tract. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 514-525.	3.9	66
33	Multi-Domain Transfer Learning for Early Diagnosis of Alzheimerâ€™s Disease. Neuroinformatics, 2017, 15, 115-132.	1.5	65
34	Multi-site MRI harmonization via attention-guided deep domain adaptation for brain disorder identification. Medical Image Analysis, 2021, 71, 102076.	7.0	65
35	Volume-Based Analysis of 6-Month-Old Infant Brain MRI for Autism Biomarker Identification and Early Diagnosis. Lecture Notes in Computer Science, 2018, 11072, 411-419.	1.0	61
36	Weakly Supervised Deep Learning for Brain Disease Prognosis Using MRI and Incomplete Clinical Scores. IEEE Transactions on Cybernetics, 2019, 50, 1-12.	6.2	61

#	Article	IF	Citations
37	Multi-modal latent space inducing ensemble SVM classifier for early dementia diagnosis with neuroimaging data. Medical Image Analysis, 2020, 60, 101630.	7.0	60
38	Spatially-Constrained Fisher Representation for Brain Disease Identification With Incomplete Multi-Modal Neuroimages. IEEE Transactions on Medical Imaging, 2020, 39, 2965-2975.	5.4	52
39	Robust multi-label transfer feature learning for early diagnosis of Alzheimerâ€™s disease. Brain Imaging and Behavior, 2019, 13, 138-153.	1.1	50
40	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
41	<scp>MRI</scp>â€based prostate cancer detection with highâ€level representation and hierarchical classification. Medical Physics, 2017, 44, 1028-1039.	1.6	47
42	Anatomical Attention Guided Deep Networks for ROI Segmentation of Brain MR Images. IEEE Transactions on Medical Imaging, 2020, 39, 2000-2012.	5.4	46
43	Attribute relation learning for zero-shot classification. Neurocomputing, 2014, 139, 34-46.	3.5	43
44	Attention-Guided Hybrid Network for Dementia Diagnosis With Structural MR Images. IEEE Transactions on Cybernetics, 2022, 52, 1992-2003.	6.2	43
45	Multi-site clustering and nested feature extraction for identifying autism spectrum disorder with resting-state fMRI. Medical Image Analysis, 2022, 75, 102279.	7.0	43
46	Brain-Wide Genome-Wide Association Study for Alzheimer's Disease via Joint Projection Learning and Sparse Regression Model. IEEE Transactions on Biomedical Engineering, 2019, 66, 165-175.	2.5	42
47	DesigningÂweightedÂcorrelationÂkernelsÂinÂconvolutional neural networks for functional connectivity based brain disease diagnosis. Medical Image Analysis, 2020, 63, 101709.	7.0	39
48	Ordinal Pattern: A New Descriptor for Brain Connectivity Networks. IEEE Transactions on Medical Imaging, 2018, 37, 1711-1722.	5.4	37
49	Multi-task exclusive relationship learning for alzheimerâ€™s disease progression prediction with longitudinal data. Medical Image Analysis, 2019, 53, 111-122.	7.0	36
50	Feature selection with effective distance. Neurocomputing, 2016, 215, 100-109.	3.5	35
51	Deep Multi-task Multi-channel Learning for Joint Classification and Regression of Brain Status. Lecture Notes in Computer Science, 2017, 10435, 3-11.	1.0	33
52	Multi-Hypergraph Learning for Incomplete Multimodality Data. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1197-1208.	3.9	33
53	Early Diagnosis of Autism Disease by Multi-channel CNNs. Lecture Notes in Computer Science, 2018, 11046, 303-309.	1.0	32
54	A Hierarchical Feature and Sample Selection Framework and Its Application for Alzheimerâ€™s Disease Diagnosis. Scientific Reports, 2017, 7, 45269.	1.6	31

#	Article	IF	Citations
55	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
56	SPARSITY SCORE: A NOVEL GRAPH-PRESERVING FEATURE SELECTION METHOD. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1450009.	0.7	28
57	Towards evaluating the robustness of deep diagnostic models by adversarial attack. Medical Image Analysis, 2021, 69, 101977.	7.0	27
58	Joint Craniomaxillofacial Bone Segmentation and Landmark Digitization by Context-Guided Fully Convolutional Networks. Lecture Notes in Computer Science, 2017, 10434, 720-728.	1.0	27
59	Modeling dynamic characteristics of brain functional connectivity networks using resting-state functional MRI. Medical Image Analysis, 2021, 71, 102063.	7.0	24
60	Triplet Graph Convolutional Network for Multi-scale Analysis of Functional Connectivity Using Functional MRI. Lecture Notes in Computer Science, 2019, , 70-78.	1.0	24
61	Human cell structure-driven model construction for predicting protein subcellular location from biological images. Bioinformatics, 2016, 32, 114-121.	1.8	22
62	Joint fully convolutional and graph convolutional networks for weakly-supervised segmentation of pathology images. Medical Image Analysis, 2021, 73, 102183.	7.0	22
63	Multiview Feature Learning With Multiatlas-Based Functional Connectivity Networks for MCI Diagnosis. IEEE Transactions on Cybernetics, 2022, 52, 6822-6833.	6.2	22
64	Graph-Kernel Based Structured Feature Selection for Brain Disease Classification Using Functional Connectivity Networks. IEEE Access, 2019, 7, 35001-35011.	2.6	21
65	Estimating sparse functional connectivity networks via hyperparameter-free learning model. Artificial Intelligence in Medicine, 2021, 111, 102004.	3.8	21
66	Anatomyâ€guided joint tissue segmentation and topological correction for 6â€month infant brain MRI with risk of autism. Human Brain Mapping, 2018, 39, 2609-2623.	1.9	20
67	Multi-Task Weakly-Supervised Attention Network for Dementia Status Estimation With Structural MRI. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4056-4068.	7.2	20
68	Low-Rank Representation for Multi-center Autism Spectrum Disorder Identification. Lecture Notes in Computer Science, 2018, 11070, 647-654.	1.0	19
69	Assessing clinical progression from subjective cognitive decline to mild cognitive impairment with incomplete multi-modal neuroimages. Medical Image Analysis, 2022, 75, 102266.	7.0	19
70	Diagnosis of Alzheimerâ€™s Disease Using View-Aligned Hypergraph Learning with Incomplete Multi-modality Data. Lecture Notes in Computer Science, 2016, 9900, 308-316.	1.0	17
71	Temporal-Adaptive Graph Convolutional Network for Automated Identification of Major Depressive Disorder Using Resting-State fMRI. Lecture Notes in Computer Science, 2020, , 1-10.	1.0	16
72	End-to-End Dementia Status Prediction from Brain MRI Using Multi-task Weakly-Supervised Attention Network. Lecture Notes in Computer Science, 2019, , 158-167.	1.0	14

#	Article	IF	Citations
73	Multi-Scale Graph Representation Learning for Autism Identification With Functional MRI. Frontiers in Neuroinformatics, 2021, 15, 802305.	1.3	14
74	Reliability-based robust multi-atlas label fusion for brain MRI segmentation. Artificial Intelligence in Medicine, 2019, 96, 12-24.	3.8	12
75	Hierarchical Structured Sparse Learning for Schizophrenia Identification. Neuroinformatics, 2020, 18, 43-57.	1.5	12
76	Distribution-Guided Network Thresholding for Functional Connectivity Analysis in fMRI-Based Brain Disorder Identification. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1602-1613.	3.9	12
77	Deep Bayesian Hashing With Center Prior for Multi-Modal Neuroimage Retrieval. IEEE Transactions on Medical Imaging, 2021, 40, 503-513.	5.4	11
78	Semi-supervised Hierarchical Multimodal Feature and Sample Selection for Alzheimerâ€™s Disease Diagnosis. Lecture Notes in Computer Science, 2016, 9901, 79-87.	1.0	10
79	Multi-modal Neuroimaging Data Fusion via Latent Space Learning for Alzheimerâ€™s Disease Diagnosis. Lecture Notes in Computer Science, 2018, 11121, 76-84.	1.0	9
80	Hypergraph regularized sparse feature learning. Neurocomputing, 2017, 237, 185-192.	3.5	8
81	High-Order Laplacian Regularized Low-Rank Representation for Multimodal Dementia Diagnosis. Frontiers in Neuroscience, 2021, 15, 634124.	1.4	8
82	Unsupervised Conditional Consensus Adversarial Network for Brain Disease Identification with Structural MRI. Lecture Notes in Computer Science, 2019, , 391-399.	1.0	8
83	Joint Neuroimage Synthesis and Representation Learning for Conversion Prediction of Subjective Cognitive Decline. Lecture Notes in Computer Science, 2020, , 583-592.	1.0	7
84	Ordinal Patterns for Connectivity Networks in Brain Disease Diagnosis. Lecture Notes in Computer Science, 2016, , 1-9.	1.0	7
85	Inter-subject Similarity Guided Brain Network Modeling for MCI Diagnosis. Lecture Notes in Computer Science, 2017, 10541, 168-175.	1.0	6
86	Deep learning methods and applications in neuroimaging. Journal of Neuroscience Methods, 2020, 339, 108718.	1.3	6
87	Modularity-Guided Functional Brain Network Analysis for Early-Stage Dementia Identification. Frontiers in Neuroscience, 2021, 15, 720909.	1.4	6
88	Anatomical-Landmark-Based Deep Learning for Alzheimerâ€™s Disease Diagnosis with Structural Magnetic Resonance Imaging. Intelligent Systems Reference Library, 2020, , 127-147.	1.0	6
89	Sub-network Based Kernels for Brain Network Classification. , 2016, , .		5
90	Developing Novel Weighted Correlation Kernels for Convolutional Neural Networks to Extract Hierarchical Functional Connectivities from fMRI for Disease Diagnosis. Lecture Notes in Computer Science, 2018, 11046, 1-9.	1.0	5

#	Article	IF	Citations
91	Multi-Source Domain Adaptation via Optimal Transport for Brain Dementia Identification. , 2021, , .		5
92	Attention-Guided Deep Domain Adaptation for Brain Dementia Identification with Multi-site Neuroimaging Data. Lecture Notes in Computer Science, 2020, , 31-40.	1.0	5
93	Auroral event representation based on the n-ary fusion of multiple oriented energies. Neurocomputing, 2017, 253, 42-48.	3.5	4
94	Group-Wise Learning for Aurora Image Classification With Multiple Representations. IEEE Transactions on Cybernetics, 2021, 51, 4112-4124.	6.2	4
95	Querying Representative and Informative Super-pixels for Filament Segmentation in Bioimages. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 17, 1-1.	1.9	4
96	Automatic diagnosis of autism based on functional magnetic resonance imaging and elastic net. , 2020, , .		4
97	LDGAN: Longitudinal-Diagnostic Generative Adversarial Network for Disease Progression Prediction with Missing Structural MRI. Lecture Notes in Computer Science, 2020, , 170-179.	1.0	4
98	Landmark-Based Alzheimerâ€™s Disease Diagnosis Using Longitudinal Structural MR Images. Lecture Notes in Computer Science, 2017, 10081, 35-45.	1.0	3
99	Integrating Multimodal MRIs for Adult ADHD Identification with Heterogeneous Graph Attention Convolutional Network. Lecture Notes in Computer Science, 2021, , 157-167.	1.0	3
100	Deep Learning for Fast and Spatially-Constrained Tissue Quantification from Highly-Undersampled Data in Magnetic Resonance Fingerprinting (MRF). Lecture Notes in Computer Science, 2018, 11046, 398-405.	1.0	3
101	Deep Disentangled Hashing with Momentum Triplets for Neuroimage Search. Lecture Notes in Computer Science, 2020, 12261, 191-201.	1.0	3
102	Adaptive Multimodal Neuroimage Integration for Major Depression Disorder Detection. Frontiers in Neuroinformatics, 2022, 16, 856175.	1.3	3
103	Characterizing MRI biomarkers for early prediction of amnestic mild cognitive impairment among the communityâ€dwelling Chinese. Alzheimer's and Dementia, 2020, 16, e041450.	0.4	2
104	End-to-End Dementia Status Prediction from Brain MRI Using Multi-task Weakly-Supervised Attention Network. , 2019, 11767, 158-167.		2
105	New Approach for Texture Classification Based on Concept. , 2008, , .		1
106	Texture Classification Using Nonsubsampled Contourlet Transform and LS-SVM. , 2009, , .		1
107	Cost-Sensitive Meta-learning for Progress Prediction of Subjective Cognitive Decline with Brain Structural MRI. Lecture Notes in Computer Science, 2021, , 248-258.	1.0	1
108	Inherent Structure-Guided Multi-view Learning for Alzheimerâ€™s Disease and Mild Cognitive Impairment Classification. Lecture Notes in Computer Science, 2015, 9352, 296-303.	1.0	1

#	Article	IF	Citations
109	Deep Learning Models with Applications to Brain Image Analysis. , 2020, , 433-462.		1
110	Linking Adolescent Brain MRI to Obesity via Deep Multi-cue Regression Network. Lecture Notes in Computer Science, 2020, , 111-119.	1.0	1
111	Automatic Segmentation of 3D Perivascular Spaces in 7T MR Images Using Multi-Channel Fully Convolutional Network. Proceedings of the International Society for Magnetic Resonance in Medicine ... Scientific Meeting and Exhibition., 2018, 2018, .	0.5	1
112	Semisubsampled wavelet transform based image watermarking. , 2009, , .		0
113	Multimedia analysis for medical applications. Multimedia Systems, 2019, 25, 71-72.	3.0	0
114	Relationship Induced Multi-atlas Learning for Alzheimerâ€™s Disease Diagnosis. Lecture Notes in Computer Science, 2016, , 24-33.	1.0	0
115	Future Trends of PET/MR and Utility of AI in Multi-Modal Imaging. , 2022, , 79-86.		0