Peiyao Wang

List of Publications by Year
in descending order

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442 papers	16,800 citations	14644 66 h-index	24961 109 g-index
445 all docs	445 docs citations	445 times ranked	14305 citing authors

#	Article	IF	Citations
1	Hierarchical feature representation and multimodal fusion with deep learning for AD/MCI diagnosis. NeuroImage, 2014, 101, 569-582.	2.1	732
2	Deep convolutional neural networks for multi-modality isointense infant brain image segmentation. NeuroImage, 2015, 108, 214-224.	2.1	662
3	Computer-Aided Diagnosis with Deep Learning Architecture: Applications to Breast Lesions in US Images and Pulmonary Nodules in CT Scans. Scientific Reports, 2016, 6, 24454.	1.6	488
4	Medical Image Synthesis with Context-Aware Generative Adversarial Networks. Lecture Notes in Computer Science, 2017, 10435, 417-425.	1.0	321
5	Landmark-based deep multi-instance learning for brain disease diagnosis. Medical Image Analysis, 2018, 43, 157-168.	7.0	302
6	3D conditional generative adversarial networks for high-quality PET image estimation at low dose. NeuroImage, 2018, 174, 550-562.	2.1	298
7	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
8	Deep Learning-Based Feature Representation for AD/MCI Classification. Lecture Notes in Computer Science, 2013, 16, 583-590.	1.0	269
9	State-space model with deep learning for functional dynamics estimation in resting-state fMRI. NeuroImage, 2016, 129, 292-307.	2.1	242
10	Deep ensemble learning of sparse regression models for brain disease diagnosis. Medical Image Analysis, 2017, 37, 101-113.	7.0	226
11	LINKS: Learning-based multi-source IntegratioN frameworK for Segmentation of infant brain images. NeuroImage, 2015, 108, 160-172.	2.1	208
12	Deep auto-context convolutional neural networks for standard-dose PET image estimation from low-dose PET/MRI. Neurocomputing, 2017, 267, 406-416.	3.5	205
13	Highâ€order restingâ€state functional connectivity network for MCI classification. Human Brain Mapping, 2016, 37, 3282-3296.	1.9	204
14	BIRNet: Brain image registration using dual-supervised fully convolutional networks. Medical Image Analysis, 2019, 54, 193-206.	7.0	199
15	A novel relational regularization feature selection method for joint regression and classification in AD diagnosis. Medical Image Analysis, 2017, 38, 205-214.	7.0	176
16	Fully convolutional networks for multi-modality isointense infant brain image segmentation. , 2016, 2016, 1342-1345.		175
17	A novel matrix-similarity based loss function for joint regression and classification in AD diagnosis. NeuroImage, 2014, 100, 91-105.	2.1	174
18	IDRiD: Diabetic Retinopathy â€“ Segmentation and Grading Challenge. Medical Image Analysis, 2020, 59, 101561.	7.0	162

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19	3D Deep Learning for Multi-modal Imaging-Guided Survival Time Prediction of Brain Tumor Patients. Lecture Notes in Computer Science, 2016, 9901, 212-220.	1.0	160
20	Modeling Rett Syndrome Using TALEN-Edited MECP2 Mutant Cynomolgus Monkeys. Cell, 2017, 169, 945-955.e10.	13.5	158
21	Sparse temporally dynamic resting-state functional connectivity networks for early MCI identification. Brain Imaging and Behavior, 2016, 10, 342-356.	1.1	153
22	Estimating CT Image from MRI Data Using 3D Fully Convolutional Networks. Lecture Notes in Computer Science, 2016, 2016, 170-178.	1.0	151
23	Extraction of dynamic functional connectivity from brain grey matter and white matter for MCI classification. Human Brain Mapping, 2017, 38, 5019-5034.	1.9	151
24	Spatial Patterns, Longitudinal Development, and Hemispheric Asymmetries of Cortical Thickness in Infants from Birth to 2 Years of Age. Journal of Neuroscience, 2015, 35, 9150-9162.	1.7	148
25	Deep embedding convolutional neural network for synthesizing CT image from T1-Weighted MR image. Medical Image Analysis, 2018, 47, 31-44.	7.0	137
26	Multi-Channel 3D Deep Feature Learning for Survival Time Prediction of Brain Tumor Patients Using Multi-Modal Neuroimages. Scientific Reports, 2019, 9, 1103.	1.6	133
27	Automated detection and classification of thyroid nodules in ultrasound images using clinical-knowledge-guided convolutional neural networks. Medical Image Analysis, 2019, 58, 101555.	7.0	131
28	Evaluation of machine learning algorithms for treatment outcome prediction in patients with epilepsy based on structural connectome data. NeuroImage, 2015, 118, 219-230.	2.1	130
29	Computational neuroanatomy of baby brains: A review. NeuroImage, 2019, 185, 906-925.	2.1	125
30	Deep sparse multi-task learning for feature selection in Alzheimerâ€™s disease diagnosis. Brain Structure and Function, 2016, 221, 2569-2587.	1.2	124
31	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
32	Deformable Image Registration Based on Similarity-Steered CNN Regression. Lecture Notes in Computer Science, 2017, 10433, 300-308.	1.0	121
33	Interleaved 3Dâ€<scp>CNN</scp>s for joint segmentation of smallâ€volume structures in head and neck <scp>CT</scp> images. Medical Physics, 2018, 45, 2063-2075.	1.6	119
34	Measuring the dynamic longitudinal cortex development in infants by reconstruction of temporally consistent cortical surfaces. NeuroImage, 2014, 90, 266-279.	2.1	113
35	Hierarchical fusion of features and classifier decisions for Alzheimer's disease diagnosis. Human Brain Mapping, 2014, 35, 1305-1319.	1.9	113
36	Hyper-connectivity of functional networks for brain disease diagnosis. Medical Image Analysis, 2016, 32, 84-100.	7.0	113

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37	View-aligned hypergraph learning for Alzheimerâ€™s disease diagnosis with incomplete multi-modality data. Medical Image Analysis, 2017, 36, 123-134.	7.0	113
38	Construction of 4D high-definition cortical surface atlases of infants: Methods and applications. Medical Image Analysis, 2015, 25, 22-36.	7.0	112
39	Estimating functional brain networks by incorporating a modularity prior. NeuroImage, 2016, 141, 399-407.	2.1	111
40	Spatial distribution and longitudinal development of deep cortical sulcal landmarks in infants. NeuroImage, 2014, 100, 206-218.	2.1	107
41	A generative probability model of joint label fusion for multi-atlas based brain segmentation. Medical Image Analysis, 2014, 18, 881-890.	7.0	107
42	Topographical Information-Based High-Order Functional Connectivity and Its Application in Abnormality Detection forÂMild Cognitive Impairment. Journal of Alzheimer's Disease, 2016, 54, 1095-1112.	1.2	103
43	Hybrid High-order Functional Connectivity Networks Using Resting-state Functional MRI for Mild Cognitive Impairment Diagnosis. Scientific Reports, 2017, 7, 6530.	1.6	102
44	Strength and similarity guided group-level brain functional network construction for MCI diagnosis. Pattern Recognition, 2019, 88, 421-430.	5.1	101
45	Adversarial learning for mono- or multi-modal registration. Medical Image Analysis, 2019, 58, 101545.	7.0	100
46	Longitudinal clinical score prediction in Alzheimer's disease with soft-split sparse regression based random forest. Neurobiology of Aging, 2016, 46, 180-191.	1.5	99
47	Integration of sparse multi-modality representation and anatomical constraint for isointense infant brain MR image segmentation. NeuroImage, 2014, 89, 152-164.	2.1	96
48	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
49	Hierarchical multi-atlas label fusion with multi-scale feature representation and label-specific patch partition. NeuroImage, 2015, 106, 34-46.	2.1	95
50	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
51	Resting-state functional MRI studies on infant brains: A decade of gap-filling efforts. NeuroImage, 2019, 185, 664-684.	2.1	91
52	Representation Learning: A Unified Deep Learning Framework for Automatic Prostate MR Segmentation. Lecture Notes in Computer Science, 2013, 16, 254-261.	1.0	91
53	Neurodegenerative disease diagnosis using incomplete multi-modality data via matrix shrinkage and completion. NeuroImage, 2014, 91, 386-400.	2.1	87
54	Joint feature-sample selection and robust diagnosis of Parkinson's disease from MRI data. NeuroImage, 2016, 141, 206-219.	2.1	87

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55	Unsupervised Deep Feature Learning for Deformable Registration of MR Brain Images. Lecture Notes in Computer Science, 2013, 16, 649-656.	1.0	85
56	Canonical feature selection for joint regression and multi-class identification in Alzheimerâ€™s disease diagnosis. Brain Imaging and Behavior, 2016, 10, 818-828.	1.1	85
57	Connectivity strengthâ€weighted sparse group representationâ€based brain network construction for M<scp>CI</scp> classification. Human Brain Mapping, 2017, 38, 2370-2383.	1.9	85
58	Developmental topography of cortical thickness during infancy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15855-15860.	3.3	82
59	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
60	Knowledge-Guided Robust MRI Brain Extraction for Diverse Large-Scale Neuroimaging Studies on Humans and Non-Human Primates. PLoS ONE, 2014, 9, e77810.	1.1	79
61	Structured sparsity regularized multiple kernel learning for Alzheimerâ€™s disease diagnosis. Pattern Recognition, 2019, 88, 370-382.	5.1	76
62	Deep CNN ensembles and suggestive annotations for infant brain MRI segmentation. Computerized Medical Imaging and Graphics, 2020, 79, 101660.	3.5	76
63	Identification of infants at highâ€risk for autism spectrum disorder using multiparameter multiscale white matter connectivity networks. Human Brain Mapping, 2015, 36, 4880-4896.	1.9	75
64	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
65	Conversion and time-to-conversion predictions of mild cognitive impairment using low-rank affinity pursuit denoising and matrix completion. Medical Image Analysis, 2018, 45, 68-82.	7.0	72
66	CT male pelvic organ segmentation using fully convolutional networks with boundary sensitive representation. Medical Image Analysis, 2019, 54, 168-178.	7.0	72
67	Disrupted Brain Functional Network in Internet Addiction Disorder: A Resting-State Functional Magnetic Resonance Imaging Study. PLoS ONE, 2014, 9, e107306.	1.1	72
68	Semi-Supervised Discriminative Classification Robust to Sample-Outliers and Feature-Noises. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 515-522.	9.7	71
69	Context-guided fully convolutional networks for joint craniomaxillofacial bone segmentation and landmark digitization. Medical Image Analysis, 2020, 60, 101621.	7.0	71
70	First-year development of modules and hubs in infant brain functional networks. NeuroImage, 2019, 185, 222-235.	2.1	70
71	Multimodal hyper-connectivity of functional networks using functionally-weighted LASSO for MCI classification. Medical Image Analysis, 2019, 52, 80-96.	7.0	66
72	Multi-site MRI harmonization via attention-guided deep domain adaptation for brain disorder identification. Medical Image Analysis, 2021, 71, 102076.	7.0	65

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73	Automated bone segmentation from dental CBCT images using patchâ€based sparse representation and convex optimization. Medical Physics, 2014, 41, 043503.	1.6	64
74	Matrix-Similarity Based Loss Function and Feature Selection for Alzheimer's Disease Diagnosis. , 2014, 2014, 3089-3096.		64
75	Multiâ€task diagnosis for autism spectrum disorders using multiâ€modality features: A multiâ€center study. Human Brain Mapping, 2017, 38, 3081-3097.	1.9	64
76	Adversarial Similarity Network for Evaluating Image Alignment in Deep Learning Based Registration. Lecture Notes in Computer Science, 2018, 11070, 739-746.	1.0	63
77	Multiâ€atlas based representations for Alzheimer's disease diagnosis. Human Brain Mapping, 2014, 35, 5052-5070.	1.9	62
78	Deep Learning Based Inter-modality Image Registration Supervised by Intra-modality Similarity. Lecture Notes in Computer Science, 2018, 11046, 55-63.	1.0	62
79	Surface Vulnerability of Cerebral Cortex to Major Depressive Disorder. PLoS ONE, 2015, 10, e0120704.	1.1	62
80	Low-Rank Graph-Regularized Structured Sparse Regression for Identifying Genetic Biomarkers. IEEE Transactions on Big Data, 2017, 3, 405-414.	4.4	61
81	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
82	Dual-core steered non-rigid registration for multi-modal images via bi-directional image synthesis. Medical Image Analysis, 2017, 41, 18-31.	7.0	60
83	Multi-modal latent space inducing ensemble SVM classifier for early dementia diagnosis with neuroimaging data. Medical Image Analysis, 2020, 60, 101630.	7.0	60
84	Diagnosis of Autism Spectrum Disorders Using Temporally Distinct Restingâ€State Functional Connectivity Networks. CNS Neuroscience and Therapeutics, 2016, 22, 212-219.	1.9	59
85	Automated segmentation of dental CBCT image with prior-guided sequential random forests. Medical Physics, 2015, 43, 336-346.	1.6	58
86	Joint prediction and time estimation of COVID-19 developing severe symptoms using chest CT scan. Medical Image Analysis, 2021, 67, 101824.	7.0	58
87	Altered brain network modules induce helplessness in major depressive disorder. Journal of Affective Disorders, 2014, 168, 21-29.	2.0	57
88	Segmentation and Classification in Digital Pathology for Glioma Research: Challenges and Deep Learning Approaches. Frontiers in Neuroscience, 2020, 14, 27.	1.4	54
89	Visualization of perivascular spaces in the human brain at 7 T: sequence optimization and morphology characterization. NeuroImage, 2016, 125, 895-902.	2.1	53
90	Domain-invariant interpretable fundus image quality assessment. Medical Image Analysis, 2020, 61, 101654.	7.0	53

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91	Cortical thickness and surface area in neonates at high risk for schizophrenia. Brain Structure and Function, 2016, 221, 447-461.	1.2	52
92	Largeâ€scale dynamic causal modeling of major depressive disorder based on restingâ€state functional magnetic resonance imaging. Human Brain Mapping, 2020, 41, 865-881.	1.9	52
93	A toolbox for brain network construction and classification (BrainNetClass). Human Brain Mapping, 2020, 41, 2808-2826.	1.9	52
94	Prediction of standardâ€dose brain PET image by using MRI and lowâ€dose brain [¹⁸F]FDG PET images. Medical Physics, 2015, 42, 5301-5309.	1.6	49
95	Automated quantification of cerebral edema following hemispheric infarction: Application of a machine-learning algorithm to evaluate CSF shifts on serial head CTs. NeuroImage: Clinical, 2016, 12, 673-680.	1.4	49
96	High-resolution 3D MR Fingerprinting using parallel imaging and deep learning. NeuroImage, 2020, 206, 116329.	2.1	49
97	Enhancing the representation of functional connectivity networks by fusing multiâ€view information for autism spectrum disorder diagnosis. Human Brain Mapping, 2019, 40, 833-854.	1.9	47
98	Building dynamic population graph for accurate correspondence detection. Medical Image Analysis, 2015, 26, 256-267.	7.0	46
99	Radiationâ€induced brain structural and functional abnormalities in presymptomatic phase and outcome prediction. Human Brain Mapping, 2018, 39, 407-427.	1.9	46
100	An automated method for identifying an independent component analysis-based language-related resting-state network in brain tumor subjects for surgical planning. Scientific Reports, 2017, 7, 13769.	1.6	45
101	Diagnosis of Autism Spectrum Disorder Using Central-Moment Features From Low- and High-Order Dynamic Resting-State Functional Connectivity Networks. Frontiers in Neuroscience, 2020, 14, 258.	1.4	44
102	Simultaneous Estimation of Low- and High-Order Functional Connectivity for Identifying Mild Cognitive Impairment. Frontiers in Neuroinformatics, 2018, 12, 3.	1.3	43
103	Weighted graph regularized sparse brain network construction for MCI identification. Pattern Recognition, 2019, 90, 220-231.	5.1	43
104	Synthesized 7T MRI from 3T MRI via deep learning in spatial and wavelet domains. Medical Image Analysis, 2020, 62, 101663.	7.0	43
105	Kernel-based Joint Feature Selection and Max-Margin Classification for Early Diagnosis of Parkinsonâ€™s Disease. Scientific Reports, 2017, 7, 41069.	1.6	42
106	Medical Image Synthesis via Deep Learning. Advances in Experimental Medicine and Biology, 2020, 1213, 23-44.	0.8	42
107	Improved image registration by sparse patch-based deformation estimation. NeuroImage, 2015, 105, 257-268.	2.1	40
108	DesigningÂweightedÂcorrelationÂkernelsÂinÂconvolutional neural networks for functional connectivity based brain disease diagnosis. Medical Image Analysis, 2020, 63, 101709.	7.0	39

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109	Harmonization of Infant Cortical Thickness Using Surface-to-Surface Cycle-Consistent Adversarial Networks. Lecture Notes in Computer Science, 2019, 11767, 475-483.	1.0	39
110	Segmentation of perivascular spaces in 7 T MR image using auto-context model with orientation-normalized features. NeuroImage, 2016, 134, 223-235.	2.1	38
111	7Tâ€guided superâ€resolution of 3T MRI. Medical Physics, 2017, 44, 1661-1677.	1.6	38
112	Dilated Dense U-Net for Infant Hippocampus Subfield Segmentation. Frontiers in Neuroinformatics, 2019, 13, 30.	1.3	38
113	Spherical U-Net on Cortical Surfaces: Methods and Applications. Lecture Notes in Computer Science, 2019, 11492, 855-866.	1.0	37
114	Overall survival time prediction for high-grade glioma patients based on large-scale brain functional networks. Brain Imaging and Behavior, 2019, 13, 1333-1351.	1.1	37
115	Non-Negative Spherical Deconvolution (NNSD) for estimation of fiber Orientation Distribution Function in single-/multi-shell diffusion MRI. NeuroImage, 2014, 101, 750-764.	2.1	36
116	Discriminative multi-task feature selection for multi-modality classification of Alzheimerâ€™s disease. Brain Imaging and Behavior, 2016, 10, 739-749.	1.1	36
117	Reduced White Matter Integrity in Antisocial Personality Disorder: A Diffusion Tensor Imaging Study. Scientific Reports, 2017, 7, 43002.	1.6	36
118	Multi-task exclusive relationship learning for alzheimerâ€™s disease progression prediction with longitudinal data. Medical Image Analysis, 2019, 53, 111-122.	7.0	36
119	Subclass-based multi-task learning for Alzheimer's disease diagnosis. Frontiers in Aging Neuroscience, 2014, 6, 168.	1.7	35
120	Simultaneous and consistent labeling of longitudinal dynamic developing cortical surfaces in infants. Medical Image Analysis, 2014, 18, 1274-1289.	7.0	34
121	Locally-constrained boundary regression for segmentation of prostate and rectum in the planning CT images. Medical Image Analysis, 2015, 26, 345-356.	7.0	34
122	Identification of progressive mild cognitive impairment patients using incomplete longitudinal MRI scans. Brain Structure and Function, 2016, 221, 3979-3995.	1.2	33
123	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
124	Spatiotemporal patterns of cortical fiber density in developing infants, and their relationship with cortical thickness. Human Brain Mapping, 2015, 36, 5183-5195.	1.9	32
125	Early Diagnosis of Autism Disease by Multi-channel CNNs. Lecture Notes in Computer Science, 2018, 11046, 303-309.	1.0	32
126	Graph-guided joint prediction of class label and clinical scores for the Alzheimerâ€™s disease. Brain Structure and Function, 2016, 221, 3787-3801.	1.2	31

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127	A Hierarchical Feature and Sample Selection Framework and Its Application for Alzheimerâ€™s Disease Diagnosis. Scientific Reports, 2017, 7, 45269.	1.6	31
128	Hierarchical High-Order Functional Connectivity Networks and Selective Feature Fusion for MCI Classification. Neuroinformatics, 2017, 15, 271-284.	1.5	31
129	Robust multi-atlas label propagation by deep sparse representation. Pattern Recognition, 2017, 63, 511-517.	5.1	31
130	Multi-View Missing Data Completion. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1296-1309.	4.0	31
131	Construction of 4D infant cortical surface atlases with sharp folding patterns via spherical patchâ€based groupâ€wise sparse representation. Human Brain Mapping, 2019, 40, 3860-3880.	1.9	31
132	Fetal cortical surface atlas parcellation based on growth patterns. Human Brain Mapping, 2019, 40, 3881-3899.	1.9	31
133	Integrative analysis of multi-dimensional imaging genomics data for Alzheimer's disease prediction. Frontiers in Aging Neuroscience, 2014, 6, 260.	1.7	30
134	Predict brain MR image registration via sparse learning of appearance and transformation. Medical Image Analysis, 2015, 20, 61-75.	7.0	30
135	Manifold Regularized Multi-Task Feature Selection for Multi-Modality Classification in Alzheimerâ€™s Disease. Lecture Notes in Computer Science, 2013, 16, 275-283.	1.0	30
136	MRI-Based Intelligence Quotient (IQ) Estimation with Sparse Learning. PLoS ONE, 2015, 10, e0117295.	1.1	29
137	Enhancement of Perivascular Spaces in 7â€‰T MR Image using Haar Transform of Non-local Cubes and Block-matching Filtering. Scientific Reports, 2017, 7, 8569.	1.6	29
138	Adversarial Confidence Learning for Medical Image Segmentation and Synthesis. International Journal of Computer Vision, 2020, 128, 2494-2513.	10.9	29
139	Prediction of 7â€year's conversion from subjective cognitive decline to mild cognitive impairment. Human Brain Mapping, 2021, 42, 192-203.	1.9	29
140	Outcome Prediction for Patient with High-Grade Gliomas from Brain Functional and Structural Networks. Lecture Notes in Computer Science, 2016, 9901, 26-34.	1.0	29
141	Structured Sparse Kernel Learning for Imaging Genetics Based Alzheimerâ€™s Disease Diagnosis. Lecture Notes in Computer Science, 2016, 9901, 70-78.	1.0	28
142	Morphology of perivascular spaces and enclosed blood vessels in young to middle-aged healthy adults at 7T: Dependences on age, brain region, and breathing gas. NeuroImage, 2020, 218, 116978.	2.1	28
143	Machine learning in medical imaging. Computerized Medical Imaging and Graphics, 2015, 41, 1-2.	3.5	27
144	Predicting infant cortical surface development using a 4D varifold-based learning framework and local topography-based shape morphing. Medical Image Analysis, 2016, 28, 1-12.	7.0	27

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145	Gyral net: A new representation of cortical folding organization. Medical Image Analysis, 2017, 42, 14-25.	7.0	27
146	Automatic brain labeling via multi-atlas guided fully convolutional networks. Medical Image Analysis, 2019, 51, 157-168.	7.0	27
147	MCI Identification by Joint Learning on Multiple MRI Data. Lecture Notes in Computer Science, 2015, 9350, 78-85.	1.0	27
148	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
149	Automatic labeling of MR brain images by hierarchical learning of atlas forests. Medical Physics, 2016, 43, 1175-1186.	1.6	26
150	Mapping hemispheric asymmetries of the macaque cerebral cortex during early brain development. Human Brain Mapping, 2020, 41, 95-106.	1.9	26
151	Submillimeter MR fingerprinting using deep learningâ€“based tissue quantification. Magnetic Resonance in Medicine, 2020, 84, 579-591.	1.9	26
152	A transversal approach for patch-based label fusion via matrix completion. Medical Image Analysis, 2015, 24, 135-148.	7.0	25
153	Reduced cortical thickness and increased surface area in antisocial personality disorder. Neuroscience, 2016, 337, 143-152.	1.1	25
154	Feature fusion via hierarchical supervised local CCA for diagnosis of autism spectrum disorder. Brain Imaging and Behavior, 2017, 11, 1050-1060.	1.1	25
155	Tumor Tissue Detection using Blood-Oxygen-Level-Dependent Functional MRI based on Independent Component Analysis. Scientific Reports, 2018, 8, 1223.	1.6	25
156	Robust brain ROI segmentation by deformation regression and deformable shape model. Medical Image Analysis, 2018, 43, 198-213.	7.0	25
157	Exploring folding patterns of infant cerebral cortex based on multi-view curvature features: Methods and applications. NeuroImage, 2019, 185, 575-592.	2.1	25
158	Individual identification and individual variability analysis based on cortical folding features in developing infant singletons and twins. Human Brain Mapping, 2020, 41, 1985-2003.	1.9	25
159	High-Order Graph Matching Based Feature Selection for Alzheimerâ€™s Disease Identification. Lecture Notes in Computer Science, 2013, 16, 311-318.	1.0	25
160	Joint Segmentation of Multiple Thoracic Organs in CT Images with Two Collaborative Deep Architectures. Lecture Notes in Computer Science, 2017, 10553, 21-29.	1.0	24
161	Treatment-naÃ¯ve first episode depression classification based on high-order brain functional network. Journal of Affective Disorders, 2019, 256, 33-41.	2.0	24
162	Hippocampus Radiomic Biomarkers for the Diagnosis of Amnestic Mild Cognitive Impairment: A Machine Learning Method. Frontiers in Aging Neuroscience, 2019, 11, 323.	1.7	24

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163	Multi-task prediction of infant cognitive scores from longitudinal incomplete neuroimaging data. NeuroImage, 2019, 185, 783-792.	2.1	24
164	Mitigating gyral bias in cortical tractography via asymmetric fiber orientation distributions. Medical Image Analysis, 2020, 59, 101543.	7.0	24
165	Joint Coupled-Feature Representation and Coupled Boosting for AD Diagnosis. , 2014, 2014, 2721-2728.		23
166	Multilevel Deficiency of White Matter Connectivity Networks in Alzheimerâ€™s Disease: A Diffusion MRI Study with DTI and HARDI Models. Neural Plasticity, 2016, 2016, 1-14.	1.0	23
167	Joint prediction of longitudinal development of cortical surfaces and white matter fibers from neonatal MRI. NeuroImage, 2017, 152, 411-424.	2.1	23
168	Craniomaxillofacial Bony Structures Segmentation from MRI with Deep-Supervision Adversarial Learning. Lecture Notes in Computer Science, 2018, 11073, 720-727.	1.0	23
169	A Novel Deep Learning Framework on Brain Functional Networks for Early MCI Diagnosis. Lecture Notes in Computer Science, 2018, 11072, 293-301.	1.0	23
170	Ultra-Fast T2-Weighted MR Reconstruction Using Complementary T1-Weighted Information. Lecture Notes in Computer Science, 2018, 11070, 215-223.	1.0	23
171	Fully automatic segmentation of paraspinal muscles from 3D torso CT images via multi-scale iterative random forest classifications. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1697-1706.	1.7	23
172	Interactive prostate segmentation using atlasâ€guided semiâ€supervised learning and adaptive feature selection. Medical Physics, 2014, 41, 111715.	1.6	22
173	Reveal Consistent Spatial-Temporal Patterns from Dynamic Functional Connectivity for Autism Spectrum Disorder Identification. Lecture Notes in Computer Science, 2016, 9900, 106-114.	1.0	22
174	Concatenated spatially-localized random forests for hippocampus labeling in adult and infant MR brain images. Neurocomputing, 2017, 229, 3-12.	3.5	22
175	RCA-U-Net: Residual Channel Attention U-Net for Fast Tissue Quantification in Magnetic Resonance Fingerprinting. Lecture Notes in Computer Science, 2019, 11766, 101-109.	1.0	22
176	Robust anatomical landmark detection with application to MR brain image registration. Computerized Medical Imaging and Graphics, 2015, 46, 277-290.	3.5	21
177	Early Diagnosis of Alzheimerâ€™s Disease by Joint Feature Selection and Classification on Temporally Structured Support Vector Machine. Lecture Notes in Computer Science, 2016, 9900, 264-272.	1.0	21
178	Learning non-linear patch embeddings with neural networks for label fusion. Medical Image Analysis, 2018, 44, 143-155.	7.0	21
179	Registration-Free Infant Cortical Surface Parcellation Using Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, 11072, 672-680.	1.0	21
180	Noise reduction in diffusion MRI using non-local self-similar information in joint<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>x</mml:mi><mml:mo>â^</mml:mo><mml:mi>q</mml:mi></mml:mrow></mml:math>space. Medical Image Analysis, 2019, 53, 79-94.	7.0	21

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181	Learning MRI artefact removal with unpaired data. Nature Machine Intelligence, 2021, 3, 60-67.	8.3	21
182	Multi-atlas and Multi-modal Hippocampus Segmentation for Infant MR Brain Images by Propagating Anatomical Labels on Hypergraph. Lecture Notes in Computer Science, 2015, 9467, 188-196.	1.0	20
183	Multi-task feature selection via supervised canonical graph matching for diagnosis of autism spectrum disorder. Brain Imaging and Behavior, 2016, 10, 33-40.	1.1	20
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