

Yaou Liu

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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.

91
papers

1,673
citations

22
h-index

38
g-index

99
ext. papers

2,150
ext. citations

5.8
avg, IF

4.31
L-index

#	Paper	IF	Citations
91	Diffusion tensor tractography reveals disrupted topological efficiency in white matter structural networks in multiple sclerosis. <i>Cerebral Cortex</i> , 2011 , 21, 2565-77	5.1	257
90	Brain Ischemia Suppresses Immunity in the Periphery and Brain via Different Neurogenic Innervations. <i>Immunity</i> , 2017 , 46, 474-487	32.3	93
89	Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. <i>NeuroImage</i> , 2019 , 184, 901-915	7.9	77
88	Microstructural abnormalities in the trigeminal nerves of patients with trigeminal neuralgia revealed by multiple diffusion metrics. <i>European Journal of Radiology</i> , 2013 , 82, 783-6	4.7	64
87	Comparison of grey matter atrophy between patients with neuromyelitis optica and multiple sclerosis: a voxel-based morphometry study. <i>European Journal of Radiology</i> , 2012 , 81, e110-4	4.7	61
86	Differential patterns of spinal cord and brain atrophy in NMO and MS. <i>Neurology</i> , 2015 , 84, 1465-72	6.5	60
85	Abnormal baseline brain activity in patients with neuromyelitis optica: a resting-state fMRI study. <i>European Journal of Radiology</i> , 2011 , 80, 407-11	4.7	50
84	A tract-based diffusion study of cerebral white matter in neuromyelitis optica reveals widespread pathological alterations. <i>Multiple Sclerosis Journal</i> , 2012 , 18, 1013-21	5	50
83	Spatial distribution of multiple sclerosis lesions in the cervical spinal cord. <i>Brain</i> , 2019 , 142, 633-646	11.2	47
82	Structural MRI substrates of cognitive impairment in neuromyelitis optica. <i>Neurology</i> , 2015 , 85, 1491-9	6.5	47
81	Disrupted topological organization of structural and functional brain connectomes in clinically isolated syndrome and multiple sclerosis. <i>Scientific Reports</i> , 2016 , 6, 29383	4.9	47
80	MRI criteria differentiating asymptomatic PML from new MS lesions during natalizumab pharmacovigilance. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 1138-45	5.5	44
79	Brain MRI Characteristics of Patients with Anti-Methyl-D-Aspartate Receptor Encephalitis and Their Associations with 2-Year Clinical Outcome. <i>American Journal of Neuroradiology</i> , 2018 , 39, 824-829	4.4	41
78	Whole brain white matter changes revealed by multiple diffusion metrics in multiple sclerosis: a TBSS study. <i>European Journal of Radiology</i> , 2012 , 81, 2826-32	4.7	39
77	Functional Brain Network Alterations in Clinically Isolated Syndrome and Multiple Sclerosis: A Graph-based Connectome Study. <i>Radiology</i> , 2017 , 282, 534-541	20.5	38
76	Brain plasticity in relapsing-remitting multiple sclerosis: evidence from resting-state fMRI. <i>Journal of the Neurological Sciences</i> , 2011 , 304, 127-31	3.2	38
75	Autoantibody to MOG suggests two distinct clinical subtypes of NMOSD. <i>Science China Life Sciences</i> , 2016 , 59, 1270-1281	8.5	32

74	Altered topological organization of white matter structural networks in patients with neuromyelitis optica. <i>PLoS ONE</i> , 2012 , 7, e48846	3.7	31
73	Multimodal Quantitative MR Imaging of the Thalamus in Multiple Sclerosis and Neuromyelitis Optica. <i>Radiology</i> , 2015 , 277, 784-92	20.5	30
72	Prevention and control measures in radiology department for COVID-19. <i>European Radiology</i> , 2020 , 30, 3603-3608	8	26
71	Bidirectional degeneration in the visual pathway in neuromyelitis optica spectrum disorder (NMOSD). <i>Multiple Sclerosis Journal</i> , 2018 , 24, 1585-1593	5	26
70	Cortical thinning correlates with cognitive change in multiple sclerosis but not in neuromyelitis optica. <i>European Radiology</i> , 2014 , 24, 2334-43	8	26
69	Multicenter Validation of Mean Upper Cervical Cord Area Measurements from Head 3D T1-Weighted MR Imaging in Patients with Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2016 , 37, 749-54	4.4	22
68	Altered thalamic functional connectivity in multiple sclerosis. <i>European Journal of Radiology</i> , 2015 , 84, 703-8	4.7	19
67	Diagnostic performance of brain MRI in pharmacovigilance of natalizumab-treated MS patients. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 1174-83	5	19
66	Disrupted Module Efficiency of Structural and Functional Brain Connectomes in Clinically Isolated Syndrome and Multiple Sclerosis. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 138	3.3	18
65	Performance of five research-domain automated WM lesion segmentation methods in a multi-center MS study. <i>NeuroImage</i> , 2017 , 163, 106-114	7.9	18
64	Radiomics in multiple sclerosis and neuromyelitis optica spectrum disorder. <i>European Radiology</i> , 2019 , 29, 4670-4677	8	17
63	Progressive brain rich-club network disruption from clinically isolated syndrome towards multiple sclerosis. <i>NeuroImage: Clinical</i> , 2018 , 19, 232-239	5.3	17
62	Hemispheric Asymmetry of Human Brain Anatomical Network Revealed by Diffusion Tensor Tractography. <i>BioMed Research International</i> , 2015 , 2015, 908917	3	17
61	Different patterns of longitudinal brain and spinal cord changes and their associations with disability progression in NMO and MS. <i>European Radiology</i> , 2018 , 28, 96-103	8	16
60	Baseline brain activity changes in patients with clinically isolated syndrome revealed by resting-state functional MRI. <i>Acta Radiologica</i> , 2012 , 53, 1073-8	2	14
59	Metabolic changes in normal-appearing white matter in patients with neuromyelitis optica and multiple sclerosis: a comparative magnetic resonance spectroscopy study. <i>Acta Radiologica</i> , 2017 , 58, 1132-1137	2	13
58	White matter atrophy in brain of neuromyelitis optica: a voxel-based morphometry study. <i>Acta Radiologica</i> , 2014 , 55, 589-93	2	12
57	Different patterns of cerebral perfusion in SLE patients with and without neuropsychiatric manifestations. <i>Human Brain Mapping</i> , 2020 , 41, 755-766	5.9	12

56	Whole brain functional connectivity in clinically isolated syndrome without conventional brain MRI lesions. <i>European Radiology</i> , 2016 , 26, 2982-91	8	11
55	A scaling aneurysm model-based approach to assessing the role of flow pattern and energy loss in aneurysm rupture prediction. <i>Journal of Translational Medicine</i> , 2015 , 13, 311	8.5	11
54	Clinical isolated syndrome: a 3-year follow-up study in China. <i>Clinical Neurology and Neurosurgery</i> , 2011 , 113, 658-60	2	11
53	White matter microstructural alterations in clinically isolated syndrome and multiple sclerosis. <i>Journal of Clinical Neuroscience</i> , 2018 , 53, 27-33	2.2	11
52	Generic acquisition protocol for quantitative MRI of the spinal cord. <i>Nature Protocols</i> , 2021 , 16, 4611-4638	3.8	11
51	Comparison of brain and spinal cord magnetic resonance imaging features in neuromyelitis optica spectrum disorders patients with or without aquaporin-4 antibody. <i>Multiple Sclerosis and Related Disorders</i> , 2017 , 13, 58-66	4	10
50	Multimodal characterization of gray matter alterations in neuromyelitis optica. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 1308-1316	5	10
49	Reduced accuracy of MRI deep grey matter segmentation in multiple sclerosis: an evaluation of four automated methods against manual reference segmentations in a multi-center cohort. <i>Journal of Neurology</i> , 2020 , 267, 3541-3554	5.5	8
48	Identifying aMCI with functional connectivity network characteristics based on subtle AAL atlas. <i>Brain Research</i> , 2018 , 1696, 81-90	3.7	8
47	Altered Temporal Organization of Brief Spontaneous Brain Activities in Patients with Alzheimer's Disease. <i>Neuroscience</i> , 2020 , 425, 1-11	3.9	8
46	Blocking LINGO-1 in vivo reduces degeneration and enhances regeneration of the optic nerve. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2016 , 2, 2055217316641704	2	8
45	The effects of repetitive transcranial magnetic stimulation on the whole-brain functional network of postherpetic neuralgia patients. <i>Medicine (United States)</i> , 2019 , 98, e16105	1.8	8
44	Assisting scalable diagnosis automatically via CT images in the combat against COVID-19. <i>Scientific Reports</i> , 2021 , 11, 4145	4.9	8
43	White Matter Microstructure Alterations in Patients With Spinal Cord Injury Assessed by Diffusion Tensor Imaging. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 11	3.3	7
42	Altered Brain Structure and Functional Connectivity of Primary Visual Cortex in Optic Neuritis. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 473	3.3	7
41	Prediction of H3K27M-mutant brainstem glioma by amide proton transfer-weighted imaging and its derived radiomics. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 4426-4436	8.8	6
40	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. <i>Scientific Data</i> , 2021 , 8, 219	8.2	6
39	An approach to facial expression recognition integrating radial basis function kernel and multidimensional scaling analysis. <i>Soft Computing</i> , 2014 , 18, 1363-1371	3.5	5

38	Identifying Mild Cognitive Impairment with Random Forest by Integrating Multiple MRI Morphological Metrics. <i>Journal of Alzheimer's Disease</i> , 2020 , 73, 991-1002	4.3	5
37	Brain structural and functional alterations in MOG antibody disease. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 1350-1363	5	5
36	Brain MRI characteristics in neuromyelitis optica spectrum disorders: A large multi-center retrospective study in China. <i>Multiple Sclerosis and Related Disorders</i> , 2020 , 46, 102475	4	5
35	Deep learning-based methods may minimize GBCA dosage in brain MRI. <i>European Radiology</i> , 2021 , 31, 6419-6428	8	5
34	Accelerating Brain 3D T1-Weighted Turbo Field Echo MRI Using Compressed Sensing-Sensitivity Encoding (CS-SENSE). <i>European Journal of Radiology</i> , 2020 , 131, 109255	4.7	4
33	Acceleration of Brain TOF-MRA with Compressed Sensitivity Encoding: A Multicenter Clinical Study. <i>American Journal of Neuroradiology</i> , 2021 , 42, 1208-1215	4.4	4
32	Thalamic Atrophy Contributes to Low Slow Wave Sleep in Neuromyelitis Optica Spectrum Disorder 2016 , 7, 691-696		4
31	Persistently Gadolinium-Enhancing Lesion Is a Predictor of Poor Prognosis in NMOSD Attack: a Clinical Trial. <i>Neurotherapeutics</i> , 2021 , 18, 868-877	6.4	4
30	The occurrence of myelin oligodendrocyte glycoprotein antibodies in aquaporin-4-antibody seronegative Neuromyelitis Optica Spectrum Disorder: A systematic review and meta-analysis. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 53, 103030	4	4
29	Subtyping relapsing-remitting multiple sclerosis using structural MRI. <i>Journal of Neurology</i> , 2021 , 268, 1808-1817	5.5	4
28	Primary Categorizing and Masking Cerebral Small Vessel Disease Based on "Deep Learning System". <i>Frontiers in Neuroinformatics</i> , 2020 , 14, 17	3.9	3
27	Longitudinal progression of grey matter atrophy morphological characteristics in MCI patients 2013 ,		3
26	Abnormal brain function in neuromyelitis optica: A fMRI investigation of mPASAT. <i>European Journal of Radiology</i> , 2017 , 95, 197-201	4.7	3
25	Brain structural alterations in MOG antibody diseases: a comparative study with AQP4 seropositive NMOSD and MS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 , 92, 709-716	5.5	3
24	Multimodal super-resolved q-space deep learning. <i>Medical Image Analysis</i> , 2021 , 71, 102085	15.4	3
23	Structural and functional hippocampal alterations in Multiple sclerosis and neuromyelitis optica spectrum disorder. <i>Multiple Sclerosis Journal</i> , 2021 , 13524585211032800	5	3
22	Volumetric Segmentation of White Matter Tracts with Label Embedding.. <i>NeuroImage</i> , 2022 , 118934	7.9	2
21	Cortical Thinning and Ventricle Enlargement in Neuromyelitis Optica Spectrum Disorders. <i>Frontiers in Neurology</i> , 2020 , 11, 872	4.1	2

20	Structural and Functional Alterations in Visual Pathway After Optic Neuritis in MOG Antibody Disease: A Comparative Study With AQP4 Seropositive NMOSD. <i>Frontiers in Neurology</i> , 2021 , 12, 673472 ^{4.1}	4.1	2
19	Automatic multiclass intramedullary spinal cord tumor segmentation on MRI with deep learning. <i>NeuroImage: Clinical</i> , 2021 , 31, 102766	5.3	2
18	Anti-aquaporin-4 antibody positivity in neuromyelitis optica is associated with lesion activity. <i>European Neurology</i> , 2013 , 70, 113-6	2.1	1
17	A deep learning algorithm for white matter hyperintensity lesion detection and segmentation. <i>Neuroradiology</i> , 2021 , 1	3.2	1
16	Aberrant multimodal brain networks in patients with anti-NMDA receptor encephalitis. <i>CNS Neuroscience and Therapeutics</i> , 2021 , 27, 652-663	6.8	1
15	Hemodynamic simulation of intracranial aneurysm growth with virtual silk stent implantation. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2018 , 1-10	2.1	1
14	Altered Cerebral Blood Flow in Alzheimer's Disease With Depression. <i>Frontiers in Psychiatry</i> , 2021 , 12, 687739	5	1
13	Cerebral Microbleed Automatic Detection System Based on the "Deep Learning".. <i>Frontiers in Medicine</i> , 2022 , 9, 807443	4.9	1
12	Relationship between homocysteine levels and post-stroke cognitive impairment in female and male population: from a prospective multicenter study.. <i>Journal of Translational Internal Medicine</i> , 2021 , 9, 264-272	3	1
11	Baseline Brain Activity Changes in Patients With Single and Relapsing Optic Neuritis. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 144	3.3	0
10	Syphilitic meningomyelitis misdiagnosed as spinal cord tumor: Case and review. <i>Journal of Spinal Cord Medicine</i> , 2021 , 44, 789-793	1.9	0
9	Radiomic signatures based on multiparametric MR images for predicting Ki-67 index expression in medulloblastoma.. <i>Annals of Translational Medicine</i> , 2021 , 9, 1665	3.2	0
8	Development and evaluation of a manual segmentation protocol for deep grey matter in multiple sclerosis: Towards accelerated semi-automated references. <i>NeuroImage: Clinical</i> , 2021 , 30, 102659	5.3	0
7	Deep Brain Stimulation Modulates Multiple Abnormal Resting-State Network Connectivity in Patients With Parkinson's Disease.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 794987	5.3	0
6	Radiomics Nomogram for Predicting Stroke Recurrence in Symptomatic Intracranial Atherosclerotic Stenosis.. <i>Frontiers in Neuroscience</i> , 2022 , 16, 851353	5.1	0
5	A transfer learning approach to few-shot segmentation of novel white matter tracts.. <i>Medical Image Analysis</i> , 2022 , 79, 102454	15.4	0
4	Assessment of blood supply of the external carotid artery in moyamoya disease using super-selective pseudo-continuous arterial spin labeling technique. <i>European Radiology</i> , 2021 , 31, 9287-9295	8	0
3	. <i>American Journal of Neuroradiology</i> , 2018 , 39, E121-E122	4.4	0

- 2 Prediction of H3 K27M-mutant in midline gliomas by magnetic resonance imaging: a systematic review and meta-analysis.. *Neuroradiology*, **2022**, 1 3.2
- 1 Structural and Functional Characterization of Gray Matter Alterations in Female Patients With Neuropsychiatric Systemic Lupus.. *Frontiers in Neuroscience*, **2022**, 16, 839194 5.1