

Xin Lou

List of Publications by Year in descending order

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82
papers

1,844
citations

304743

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302126

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docs citations

87
times ranked

3262
citing authors

#	ARTICLE	IF	CITATIONS
1	Arterial Spin Labeling-Based MRI Estimation of Penumbra Tissue in Acute Ischemic Stroke. <i>Journal of Magnetic Resonance Imaging</i> , 2023, 57, 1241-1247.	3.4	2
2	Accelerate gas diffusion-weighted MRI for lung morphometry with deep learning. <i>European Radiology</i> , 2022, 32, 702-713.	4.5	71
3	Correlation of visual area with tremor improvement after MRgFUS thalamotomy in Parkinson's disease. <i>Journal of Neurosurgery</i> , 2022, 136, 681-688.	1.6	17
4	Multiple predictors of in-stent restenosis after stent implantation in symptomatic intracranial atherosclerotic stenosis. <i>Journal of Neurosurgery</i> , 2022, 136, 1716-1725.	1.6	11
5	Severity of Intracranial Large Artery Disease Correlates With Cerebral Small Vessel Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 264-272.	3.4	6
6	Target Selection for Magnetic Resonance-Guided Focused Ultrasound in the Treatment of Parkinson's Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 35-44.	3.4	4
7	Accelerating susceptibility-weighted imaging with deep learning by complex-valued convolutional neural network (ComplexNet): validation in clinical brain imaging. <i>European Radiology</i> , 2022, 32, 5679-5687.	4.5	6
8	Pretherapeutic functional connectivity of tractography-based targeting of the ventral intermediate nucleus for predicting tremor response in patients with Parkinson's disease after thalamotomy with MRI-guided focused ultrasound. <i>Journal of Neurosurgery</i> , 2022, 137, 1135-1144.	1.6	9
9	Abnormal dynamic ventilation function of COVID-19 survivors detected by pulmonary free-breathing proton MRI. <i>European Radiology</i> , 2022, 32, 5297-5307.	4.5	5
10	FLAIR vessel hyperintensities predict functional outcomes in patients with acute ischemic stroke treated with medical therapy. <i>European Radiology</i> , 2022, 32, 5436-5445.	4.5	4
11	Relationship between Lung and Brain Injury in COVID-19 Patients: A Hyperpolarized ^{129}Xe -MRI-based 8-Month Follow-Up. <i>Biomedicines</i> , 2022, 10, 781.	3.2	7
12	High-resolution magnetic resonance vessel wall imaging-guided endovascular recanalization for nonacute intracranial artery occlusion. <i>Journal of Neurosurgery</i> , 2022, 137, 412-418.	1.6	4
13	Damaged lung gas exchange function of discharged COVID-19 patients detected by hyperpolarized ^{129}Xe MRI. <i>Science Advances</i> , 2021, 7, .	10.3	97
14	Coloring ultrasensitive MRI with tunable metal-organic frameworks. <i>Chemical Science</i> , 2021, 12, 4300-4308.	7.4	15
15	Ivy Sign in Moyamoya Disease: A Comparative Study of the FLAIR Vascular Hyperintensity Sign Against Contrast-Enhanced MRI. <i>American Journal of Neuroradiology</i> , 2021, 42, 694-700.	2.4	9
16	New-onset lesions on MRI-DWI and cerebral blood flow changes on 3D-pCASL after carotid artery stenting. <i>Scientific Reports</i> , 2021, 11, 8005.	3.3	1
17	Impairments in brain perfusion, executive control network, topological characteristics, and neurocognition in adult patients with asymptomatic Moyamoya disease. <i>BMC Neuroscience</i> , 2021, 22, 35.	1.9	3
18	Long-Term Outcome of Enterprise Stenting for Symptomatic ICAS in a High-Volume Stroke Center. <i>Frontiers in Neurology</i> , 2021, 12, 672662.	2.4	6

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19	Convergent structural network and gene signatures for MRgFUS thalamotomy in patients with Parkinson's disease. <i>NeuroImage</i> , 2021, 243, 118550.	4.2	13
20	Changes of cerebral cortical structure and cognitive dysfunction in "healthy hemisphere" after stroke: a study about cortical complexity and sulcus patterns in bilateral ischemic adult moyamoya disease. <i>BMC Neuroscience</i> , 2021, 22, 66.	1.9	2
21	Ultrasensitive molecular building block for biothiol NMR detection at picomolar concentrations. <i>IScience</i> , 2021, 24, 103515.	4.1	3
22	A Small Molecular Multifunctional Tool for pH Detection, Fluorescence Imaging, and Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 1779-1786.	4.6	11
23	Quantitative evaluation of lung injury caused by PM _{2.5} using hyperpolarized gas magnetic resonance. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 569-578.	3.0	12
24	Alterations of regional homogeneity in Parkinson's disease with mild cognitive impairment: a preliminary resting-state fMRI study. <i>Neuroradiology</i> , 2020, 62, 327-334.	2.2	18
25	Fiber-Specific Changes in White Matter Microstructure in Individuals With X-Linked Auditory Neuropathy. <i>Ear and Hearing</i> , 2020, 41, 1703-1714.	2.1	5
26	Structural and Functional Thalamic Changes in Parkinson's Disease With Mild Cognitive Impairment. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1207-1215.	3.4	27
27	Different risk factors in identical features of intracranial atherosclerosis plaques in the posterior and anterior circulation in high-resolution MRI. <i>Therapeutic Advances in Neurological Disorders</i> , 2020, 13, 175628642090999.	3.5	11
28	Intracranial collaterals and arterial wall features in severe symptomatic vertebrobasilar stenosis. <i>Neurological Research</i> , 2020, 42, 649-656.	1.3	7
29	Risk Factors of Recurrent Ischemic Events after Acute Noncardiogenic Ischemic Stroke. <i>Current Pharmaceutical Design</i> , 2020, 25, 4827-4834.	1.9	7
30	On the Validation of a Multiple-Network Poroelastic Model Using Arterial Spin Labeling MRI Data. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 60.	2.1	17
31	Fast and accurate reconstruction of human lung gas MRI with deep learning. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 2273-2285.	3.0	23
32	Association of Perforator Stroke After Basilar Artery Stenting With Negative Remodeling. <i>Stroke</i> , 2019, 50, 745-749.	2.0	17
33	Clinicoradiologic characteristics of endolymphatic sac tumors. <i>European Archives of Oto-Rhino-Laryngology</i> , 2019, 276, 2705-2714.	1.6	8
34	Longitudinal assessment of cerebral blood flow changes following carotid artery stenting and endarterectomy. <i>Radiologia Medica</i> , 2019, 124, 636-642.	7.7	7
35	Association between basilar artery configuration and Vessel Wall features: a prospective high-resolution magnetic resonance imaging study. <i>BMC Medical Imaging</i> , 2019, 19, 99.	2.7	6
36	Quantitative radiomic biomarkers for discrimination between neuromyelitis optica spectrum disorder and multiple sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1113-1121.	3.4	21

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37	Altered functional connectivity of the marginal division in Parkinson's disease with mild cognitive impairment: A pilot resting-state fMRI study. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 183-192.	3.4	11
38	Radiomics Analysis of DTI Data to Assess Vision Outcome After Intravenous Methylprednisolone Therapy in Neuromyelitis Optic Neuritis. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1365-1373.	3.4	18
39	Collateral perfusion using arterial spin labeling in symptomatic versus asymptomatic middle cerebral artery stenosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 108-117.	4.3	31
40	Perfusion and plaque evaluation to predict recurrent stroke in symptomatic middle cerebral artery stenosis. <i>Stroke and Vascular Neurology</i> , 2019, 4, 129-134.	3.3	29
41	Zero-shot Learning with Many Classes by High-rank Deep Embedding Networks. , 2019, , .		0
42	Timely Visualization of the Collaterals Formed during Acute Ischemic Stroke with Fe ₃ O ₄ Nanoparticle-based MR Imaging Probe. <i>Small</i> , 2018, 14, e1800573.	10.0	24
43	Targeted Brain Delivery of Rabies Virus Glycoprotein 29-Modified Deferoxamine-Loaded Nanoparticles Reverses Functional Deficits in Parkinsonian Mice. <i>ACS Nano</i> , 2018, 12, 4123-4139.	14.6	145
44	Differentiation between radiation-induced brain injury and glioma recurrence using 3D pCASL and dynamic susceptibility contrast-enhanced perfusion-weighted imaging. <i>Radiotherapy and Oncology</i> , 2018, 129, 68-74.	0.6	25
45	Evolution of Unilateral Basal Ganglia Lesion Over 16 Months. <i>JAMA Neurology</i> , 2018, 75, 376.	9.0	0
46	Enhancing Both Biodegradability and Efficacy of Semiconducting Polymer Nanoparticles for Photoacoustic Imaging and Photothermal Therapy. <i>ACS Nano</i> , 2018, 12, 1801-1810.	14.6	299
47	Alterations of White Matter Connectivity in Preschool Children with Autism Spectrum Disorder. <i>Radiology</i> , 2018, 288, 209-217.	7.3	35
48	Comparison of field-of-view optimized and constrained undistorted single-shot diffusion-weighted imaging and conventional diffusion-weighted imaging of optic nerve and chiasma at 3T. <i>Neuroradiology</i> , 2018, 60, 903-912.	2.2	9
49	MRI Probes: Timely Visualization of the Collaterals Formed during Acute Ischemic Stroke with Fe ₃ O ₄ Nanoparticle-based MR Imaging Probe (Small 23/2018). <i>Small</i> , 2018, 14, 1870108.	10.0	6
50	Treatment Strategies for Intracranial Mirror Aneurysms. <i>World Neurosurgery</i> , 2017, 100, 450-458.	1.3	13
51	T2 relaxation time measurements in the brains of scalded rats. <i>Science China Life Sciences</i> , 2017, 60, 5-10.	4.9	3
52	Intra-individual comparison of different gadolinium-based contrast agents in the quantitative evaluation of C6 glioma with dynamic contrast-enhanced magnetic resonance imaging. <i>Science China Life Sciences</i> , 2017, 60, 11-15.	4.9	4
53	A longitudinal study of cerebral blood flow under hypoxia at high altitude using 3D pseudo-continuous arterial spin labeling. <i>Scientific Reports</i> , 2017, 7, 43246.	3.3	12
54	Chronic lymphocytic inflammation with pontine perivascular enhancement responsive to steroids (CLIPPERS): A lymphocytic reactive response of the central nervous system? A case report. <i>Journal of Neuroimmunology</i> , 2017, 305, 68-71.	2.3	23

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55	The diagnostic value of high-frequency power-based diffusion-weighted imaging in prediction of neuroepithelial tumour grading. <i>European Radiology</i> , 2017, 27, 5056-5063.	4.5	3
56	Differential diagnosis of mitochondrial encephalopathy with lactic acidosis and stroke-like episodes (MELAS) and ischemic stroke using 3D pseudocontinuous arterial spin labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 199-206.	3.4	28
57	Effect of normal aging on the structure of marginal division of neostriatum as measured by MR phase imaging and diffusion tensor imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1343-1351.	3.4	3
58	Trigeminal Ganglioneuroma in the Middle-posterior Cranial Fossa: a Case Report— ³ . <i>Chinese Medical Sciences Journal</i> , 2017, 32, 123-128.	0.4	0
59	Multi-delay ASL can identify leptomeningeal collateral perfusion in endovascular therapy of ischemic stroke. <i>Oncotarget</i> , 2017, 8, 2437-2443.	1.8	44
60	Quantifying the Cerebral Hemodynamic Changes in Hypertensive Patients Using 3D Pseudo-continuous Arterial Spin Labeling. <i>Zhongguo Yi Xue Ke Xue Yuan Xue Bao Acta Academiae Medicinae Sinicae</i> , 2017, 39, 477-484.	0.2	0
61	Use of 3D pseudo-continuous arterial spin labeling to characterize sex and age differences in cerebral blood flow. <i>Neuroradiology</i> , 2016, 58, 943-948.	2.2	42
62	Neuromyelitis optica and Wernicke encephalopathy share the similar imagings, any correlations?. <i>Radiology of Infectious Diseases</i> , 2016, 3, 79-83.	0.0	3
63	Letter by Tian and Lou Regarding Article, "Clinical Significance of Fluid-Attenuated Inversion Recovery Vascular Hyperintensities in Borderzone Infarcts". <i>Stroke</i> , 2016, 47, e227.	2.0	2
64	Reduced perfusion in normal-appearing white matter in mild to moderate hypertension as revealed by 3D pseudocontinuous arterial spin labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 635-643.	3.4	26
65	Arterial Spin Labeling Magnetic Resonance Imaging Estimation of Antegrade and Collateral Flow in Unilateral Middle Cerebral Artery Stenosis. <i>Stroke</i> , 2016, 47, 428-433.	2.0	48
66	Quantitative Measurement of Cerebral Blood Flow in Enhanced Pseudo-continuous Arterial Spin Labeling Perfusion Imaging in Patients with Intracranial Atherosclerotic Stenosis. <i>Zhongguo Yi Xue Ke Xue Yuan Xue Bao Acta Academiae Medicinae Sinicae</i> , 2016, 38, 679-685.	0.2	3
67	Assessment of Optic Nerve Impairment in Patients with Neuromyelitis Optica by MR Diffusion Tensor Imaging. <i>PLoS ONE</i> , 2015, 10, e0126574.	2.5	6
68	Clinical and radiological characteristics of 17 Chinese patients with pathology confirmed tumefactive demyelinating diseases: Follow-up study. <i>Journal of the Neurological Sciences</i> , 2015, 348, 153-159.	0.6	9
69	Cortical thinning in type 2 diabetes mellitus and recovering effects of insulin therapy. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 275-279.	1.5	30
70	Postischemic Hyperperfusion on Arterial Spin Labeled Perfusion MRI is Linked to Hemorrhagic Transformation in Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 630-637.	4.3	98
71	Permeability Imaging as a Biomarker of Leptomeningeal Collateral Flow in Patients with Intracranial Arterial Stenosis. <i>Cell Biochemistry and Biophysics</i> , 2015, 71, 1273-1279.	1.8	8
72	Conventional T2-Weighted Imaging to Detect High-Grade Stenosis and Occlusion of Internal Carotid Artery, Vertebral Artery, and Basilar Artery. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, 1591-1596.	1.6	6

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73	Early experience in high-resolution MRI for large vessel occlusions. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 509-516.	3.3	33
74	Astrocytic tumour grading: a comparative study of three-dimensional pseudocontinuous arterial spin labelling, dynamic susceptibility contrast-enhanced perfusion-weighted imaging, and diffusion-weighted imaging. <i>European Radiology</i> , 2015, 25, 3423-3430.	4.5	49
75	Mutations in apoptosis-inducing factor cause X-linked recessive auditory neuropathy spectrum disorder. <i>Journal of Medical Genetics</i> , 2015, 52, 523-531.	3.2	92
76	The role of magnetic resonance diffusion-weighted imaging and three-dimensional arterial spin labelling perfusion imaging in the differentiation of parasellar meningioma and cavernous haemangioma. <i>Journal of International Medical Research</i> , 2014, 42, 915-925.	1.0	12
77	Intra- and interscanner reliability and reproducibility of 3D whole-brain pseudo-continuous arterial spin-labeling MR perfusion at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 402-409.	3.4	75
78	Preliminary Study on Cervical Spinal Cord in Patients with Amyotrophic Lateral Sclerosis Using MR Diffusion Tensor Imaging. <i>Academic Radiology</i> , 2014, 21, 590-596.	2.5	15
79	MR findings of Rosai-Dorfman disease in sellar and suprasellar region. <i>European Journal of Radiology</i> , 2012, 81, 1231-1237.	2.6	16
80	Differential diagnosis of infarct-like intracranial ectopic germinomas and subacute lacunar infarct on susceptibility-weighted imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 92-98.	3.4	6
81	Lower fractional anisotropy at the anterior body of the normal-appearing corpus callosum in multiple sclerosis versus symptomatic carotid occlusion. <i>Neuroradiology</i> , 2009, 51, 557-561.	2.2	4
82	Diffusion-weighted magnetic resonance imaging in diagnosis of Creutzfeldt-Jakob disease. <i>Chinese Medical Journal</i> , 2006, 119, 1242-7.	2.3	3