

Lirong Yan

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,310
citations

331670

21
h-index

395702

33
g-index

54
all docs

54
docs citations

54
times ranked

2433
citing authors

#	ARTICLE	IF	CITATIONS
1	Massively parallel functional photoacoustic computed tomography of the human brain. <i>Nature Biomedical Engineering</i> , 2022, 6, 584-592.	22.5	97
2	Optimization of pseudo-continuous arterial spin labeling at 7T with parallel transmission B1 shimming. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 249-262.	3.0	10
3	k-space weighted image average (KWIA) for ASL-based dynamic MR angiography and perfusion imaging. <i>Magnetic Resonance Imaging</i> , 2022, 86, 94-106.	1.8	0
4	Cerebroarterial pulsatility and resistivity indices are associated with cognitive impairment and white matter hyperintensity in elderly subjects: A phase-contrast MRI study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 670-683.	4.3	14
5	High-Resolution Neurovascular Imaging at 7T. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021, 29, 53-65.	1.1	9
6	Optimization of adiabatic pulses for pulsed arterial spin labeling at 7 tesla: Comparison with pseudo-continuous arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3227-3240.	3.0	11
7	In-vivo imaging of targeting and modulation of depression-relevant circuitry by transcranial direct current stimulation: a randomized clinical trial. <i>Translational Psychiatry</i> , 2021, 11, 138.	4.8	12
8	Assessment of carotid stiffness by measuring carotid pulse wave velocity using a single-slice oblique-sagittal phase-contrast MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 442-455.	3.0	5
9	Altered regional cerebral blood flow in obstructive sleep apnea is associated with sleep fragmentation and oxygen desaturation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2712-2724.	4.3	17
10	12 weeks of strength training improves fluid cognition in older adults: A nonrandomized pilot trial. <i>PLoS ONE</i> , 2021, 16, e0255018.	2.5	6
11	Evaluation of Cerebral Blood Flow Measured by 3D PCASL as Biomarker of Vascular Cognitive Impairment and Dementia (VCID) in a Cohort of Elderly Latinx Subjects at Risk of Small Vessel Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 627627.	2.8	25
12	Semiautomatic cerebrovascular territory mapping based on dynamic ASL MR angiography without vessel-encoded labeling. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2735-2746.	3.0	2
13	Laminar perfusion imaging with zoomed arterial spin labeling at 7 Tesla. <i>NeuroImage</i> , 2021, 245, 118724.	4.2	11
14	Improved depiction of subthalamic nucleus and globus pallidus internus with optimized high-resolution quantitative susceptibility mapping at 7 T. <i>NMR in Biomedicine</i> , 2020, 33, e4382.	2.8	4
15	Comparison Between Blood-Brain Barrier Water Exchange Rate and Permeability to Gadolinium-Based Contrast Agent in an Elderly Cohort. <i>Frontiers in Neuroscience</i> , 2020, 14, 571480.	2.8	30
16	Assessment of brain iron accumulation in Alzheimer's disease with quantitative susceptibility mapping. <i>Alzheimer's and Dementia</i> , 2020, 16, e038799.	0.8	2
17	Concurrent Imaging of Markers of Current Flow and Neurophysiological Changes During tDCS. <i>Frontiers in Neuroscience</i> , 2020, 14, 374.	2.8	11
18	Reperfusion Into Severely Damaged Brain Tissue Is Associated With Occurrence of Parenchymal Hemorrhage for Acute Ischemic Stroke. <i>Frontiers in Neurology</i> , 2020, 11, 586.	2.4	7

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19	Characterization of lenticulostriate arteries with high resolution black-blood T1-weighted turbo spin echo with variable flip angles at 3 and 7 Tesla. <i>NeuroImage</i> , 2019, 199, 184-193.	4.2	24
20	Quantification of intracranial arterial blood flow using noncontrast enhanced 4D dynamic MR angiography. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 449-459.	3.0	10
21	Regional association of pCASL-MRI with FDG-PET and PiB-PET in people at risk for autosomal dominant Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2018, 17, 751-760.	2.7	27
22	ASPECTS-based reperfusion status on arterial spin labeling is associated with clinical outcome in acute ischemic stroke patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 382-392.	4.3	24
23	Accelerated noncontrast-enhanced 4-dimensional intracranial MR angiography using golden-angle stack-of-stars trajectory and compressed sensing with magnitude subtraction. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 867-878.	3.0	28
24	Noncontrast-enhanced time-resolved 4D dynamic intracranial MR angiography at 7T: A feasibility study. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 111-120.	3.4	16
25	P2100: IMPACT OF HYPERTENSION ON INTRACRANIAL ARTERIAL COMPLIANCE IN A LATINO COHORT. <i>Alzheimer's and Dementia</i> , 2018, 14, P706.	0.8	0
26	O5106: HIGH RESOLUTION 3D BLACK BLOOD MRI OF HUMAN LENTICULOSTRIATE ARTERIES AS AN IMAGING BIOMARKER FOR VASCULAR COGNITIVE IMPAIRMENT AND DEMENTIA. <i>Alzheimer's and Dementia</i> , 2018, 14, P1641.	0.8	0
27	Improved sensitivity of cellular MRI using phase-cycled balanced SSFP of ferumoxytol nanocomplex-labeled macrophages at ultrahigh field. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3839-3852.	6.7	3
28	Abstract WP60: Kernel Spectral Regression and Neural Networks Enable Regional Detection of Hemorrhagic Transformation on Multi-Modal MRI for Acute Ischemic Stroke. <i>Stroke</i> , 2018, 49, .	2.0	1
29	Abstract WP419: Visualization and Evaluation of Human Lenticulostriate Arteries Using High-resolution Black-blood T1-weighted Turbo-spin Echo (TSE) at 3T and 7T. <i>Stroke</i> , 2018, 49, .	2.0	0
30	Abstract WMP24: Reperfusion Into Severely Damaged Brain Tissue is Associated With Impending Parenchymal Hemorrhage in Acute Ischemic Stroke Patients. <i>Stroke</i> , 2018, 49, .	2.0	0
31	Golden-ratio rotated stack-of-stars acquisition for improved volumetric MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2290-2298.	3.0	35
32	Cerebral Hemodynamic and White Matter Changes of Type 2 Diabetes Revealed by Multi-TI Arterial Spin Labeling and Double Inversion Recovery Sequence. <i>Frontiers in Neurology</i> , 2017, 8, 717.	2.4	19
33	How the heart speaks to the brain: neural activity during cardiorespiratory interoceptive stimulation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20160017.	4.0	55
34	Developmental trajectories of cerebral blood flow and oxidative metabolism at baseline and during working memory tasks. <i>NeuroImage</i> , 2016, 134, 587-596.	4.2	12
35	Assessing intracranial vascular compliance using dynamic arterial spin labeling. <i>NeuroImage</i> , 2016, 124, 433-441.	4.2	35
36	The pediatric template of brain perfusion. <i>Scientific Data</i> , 2015, 2, 150003.	5.3	53

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37	Towards the identification of multi-parametric quantitative MRI biomarkers in lupus nephritis. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1066-1074.	1.8	34
38	Associations of Resting-State fMRI Functional Connectivity with Flow-BOLD Coupling and Regional Vasculature. <i>Brain Connectivity</i> , 2015, 5, 137-146.	1.7	54
39	Detecting resting-state brain activity by spontaneous cerebral blood volume fluctuations using whole brain vascular space occupancy imaging. <i>NeuroImage</i> , 2014, 84, 575-584.	4.2	18
40	Dynamic and static contributions of the cerebrovasculature to the resting-state BOLD signal. <i>NeuroImage</i> , 2014, 84, 672-680.	4.2	51
41	Reliability of two-dimensional and three-dimensional pseudo-continuous arterial spin labeling perfusion MRI in elderly populations: Comparison with 15o-water positron emission tomography. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 931-939.	3.4	93
42	Multiple time scale complexity analysis of resting state FMRI. <i>Brain Imaging and Behavior</i> , 2014, 8, 284-291.	2.1	60
43	Noncontrast enhanced four-dimensional dynamic MRA with golden angle radial acquisition and k-space weighted image contrast (KWIC) reconstruction. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1541-1551.	3.0	33
44	Time-resolved noncontrast enhanced 4D dynamic magnetic resonance angiography using multibolus TrueFISP-based spin tagging with alternating radiofrequency (TrueSTAR). <i>Magnetic Resonance in Medicine</i> , 2014, 71, 551-560.	3.0	18
45	Complexity and synchronicity of resting state blood oxygenation level-dependent (BOLD) functional MRI in normal aging and cognitive decline. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 36-45.	3.4	66
46	Noncontrast dynamic MRA in intracranial arteriovenous malformation (AVM): comparison with time of flight (TOF) and digital subtraction angiography (DSA). <i>Magnetic Resonance Imaging</i> , 2012, 30, 869-877.	1.8	59
47	Quantification of arterial cerebral blood volume using multiphase-balanced SSFP-based ASL. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 130-139.	3.0	24
48	Loss of Coherence of Low Frequency Fluctuations of BOLD FMRI in Visual Cortex of Healthy Aged Subjects. <i>Open Neuroimaging Journal</i> , 2011, 5, 105-111.	0.2	36
49	Relationships between Cerebral Blood Flow and IQ in Typically Developing Children and Adolescents. <i>Journal of Cognitive Science</i> , 2011, 12, 151-170.	0.2	19
50	Unenhanced Dynamic MR Angiography: High Spatial and Temporal Resolution by Using True FISP-based Spin Tagging with Alternating Radiofrequency. <i>Radiology</i> , 2010, 256, 270-279.	7.3	67
51	Physiological origin of low-frequency drift in blood oxygen level dependent (BOLD) functional magnetic resonance imaging (fMRI). <i>Magnetic Resonance in Medicine</i> , 2009, 61, 819-827.	3.0	61