Lirong Yan

List of Publications by Year
in descending order

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. Nature Biomedical Engineering, 2022, 6, 584-592.	22.5	97
2	Reliability of twoâ€dimensional and threeâ€dimensional pseudoâ€continuous arterial spin labeling perfusion MRI in elderly populations: Comparison with 15oâ€water positron emission tomography. Journal of Magnetic Resonance Imaging, 2014, 39, 931-939.	3.4	93
3	Unenhanced Dynamic MR Angiography: High Spatial and Temporal Resolution by Using True FISPâ€"based Spin Tagging with Alternating Radiofrequency. Radiology, 2010, 256, 270-279.	7.3	67
4	Complexity and synchronicity of resting state blood oxygenation level-dependent (BOLD) functional MRI in normal aging and cognitive decline. Journal of Magnetic Resonance Imaging, 2013, 38, 36-45.	3.4	66
5	Physiological origin of lowâ€frequency drift in blood oxygen level dependent (BOLD) functional magnetic resonance imaging (fMRI). Magnetic Resonance in Medicine, 2009, 61, 819-827.	3.0	61
6	Multiple time scale complexity analysis of resting state FMRI. Brain Imaging and Behavior, 2014, 8, 284-291.	2.1	60
7	Noncontrast dynamic MRA in intracranial arteriovenous malformation (AVM): comparison with time of flight (TOF) and digital subtraction angiography (DSA). Magnetic Resonance Imaging, 2012, 30, 869-877.	1.8	59
8	How the heart speaks to the brain: neural activity during cardiorespiratory interoceptive stimulation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20160017.	4.0	55
9	Associations of Resting-State fMRI Functional Connectivity with Flow-BOLD Coupling and Regional Vasculature. Brain Connectivity, 2015, 5, 137-146.	1.7	54
10	The pediatric template of brain perfusion. Scientific Data, 2015, 2, 150003.	5.3	53
11	Dynamic and static contributions of the cerebrovasculature to the resting-state BOLD signal. NeuroImage, 2014, 84, 672-680.	4.2	51
12	Loss of Coherence of Low Frequency Fluctuations of BOLD FMRI in Visual Cortex of Healthy Aged Subjects. Open Neuroimaging Journal, 2011, 5, 105-111.	0.2	36
13	Assessing intracranial vascular compliance using dynamic arterial spin labeling. NeuroImage, 2016, 124, 433-441.	4.2	35
14	Goldenâ€ratio rotated stackâ€ofâ€stars acquisition for improved volumetric <scp>MRI</scp>. Magnetic Resonance in Medicine, 2017, 78, 2290-2298.	3.0	35
15	Towards the identification of multi-parametric quantitative MRI biomarkers in lupus nephritis. Magnetic Resonance Imaging, 2015, 33, 1066-1074.	1.8	34
16	Noncontrast enhanced fourâ€dimensional dynamic MRA with golden angle radial acquisition and kâ€space weighted image contrast (KWIC) reconstruction. Magnetic Resonance in Medicine, 2014, 72, 1541-1551.	3.0	33
17	Comparison Between Blood-Brain Barrier Water Exchange Rate and Permeability to Gadolinium-Based Contrast Agent in an Elderly Cohort. Frontiers in Neuroscience, 2020, 14, 571480.	2.8	30
18	Accelerated noncontrastâ€enhanced 4â€dimensional intracranial MR angiography using goldenâ€angle stackâ€ofâ€stars trajectory and compressed sensing with magnitude subtraction. Magnetic Resonance in Medicine, 2018, 79, 867-878.	3.0	28

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19	Regional association of pCASL-MRI with FDG-PET and PiB-PET in people at risk for autosomal dominant Alzheimer's disease. NeuroImage: Clinical, 2018, 17, 751-760.	2.7	27
20	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. Frontiers in Neuroscience, 2021, 15, 627627.	2.8	25
21	Quantification of arterial cerebral blood volume using multiphase–balanced SSFP–based ASL. Magnetic Resonance in Medicine, 2012, 68, 130-139.	3.0	24
22	ASPECTS-based reperfusion status on arterial spin labeling is associated with clinical outcome in acute ischemic stroke patients. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 382-392.	4.3	24
23	Characterization of lenticulostriate arteries with high resolution black-blood T1-weighted turbo spin echo with variable flip angles at 3 and 7 Tesla. NeuroImage, 2019, 199, 184-193.	4.2	24
24	Cerebral Hemodynamic and White Matter Changes of Type 2 Diabetes Revealed by Multi-TI Arterial Spin Labeling and Double Inversion Recovery Sequence. Frontiers in Neurology, 2017, 8, 717.	2.4	19
25	Relationships between Cerebral Blood Flow and IQ in Typically Developing Children and Adolescents. Journal of Cognitive Science, 2011, 12, 151-170.	0.2	19
26	Detecting resting-state brain activity by spontaneous cerebral blood volume fluctuations using whole brain vascular space occupancy imaging. NeuroImage, 2014, 84, 575-584.	4.2	18
27	Time–resolved noncontrast enhanced 4–D dynamic magnetic resonance angiography using multibolus TrueFISP–based spin tagging with alternating radiofrequency (TrueSTAR). Magnetic Resonance in Medicine, 2014, 71, 551-560.	3.0	18
28	Altered regional cerebral blood flow in obstructive sleep apnea is associated with sleep fragmentation and oxygen desaturation. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2712-2724.	4.3	17
29	Noncontrast–enhanced time–resolved 4D dynamic intracranial MR angiography at 7T: A feasibility study. Journal of Magnetic Resonance Imaging, 2018, 48, 111-120.	3.4	16
30	Cerebroarterial pulsatility and resistivity indices are associated with cognitive impairment and white matter hyperintensity in elderly subjects: A phase-contrast MRI study. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 670-683.	4.3	14
31	Developmental trajectories of cerebral blood flow and oxidative metabolism at baseline and during working memory tasks. NeuroImage, 2016, 134, 587-596.	4.2	12
32	In-vivo imaging of targeting and modulation of depression-relevant circuitry by transcranial direct current stimulation: a randomized clinical trial. Translational Psychiatry, 2021, 11, 138.	4.8	12
33	Concurrent Imaging of Markers of Current Flow and Neurophysiological Changes During tDCS. Frontiers in Neuroscience, 2020, 14, 374.	2.8	11
34	Optimization of adiabatic pulses for pulsed arterial spin labeling at 7 tesla: Comparison with pseudo–continuous arterial spin labeling. Magnetic Resonance in Medicine, 2021, 85, 3227-3240.	3.0	11
35	Laminar perfusion imaging with zoomed arterial spin labeling at 7 Tesla. NeuroImage, 2021, 245, 118724.	4.2	11
36	Quantification of intracranial arterial blood flow using noncontrast enhanced 4D dynamic MR angiography. Magnetic Resonance in Medicine, 2019, 82, 449-459.	3.0	10

#	Article	IF	Citations
37	Optimization of pseudo‐continuous arterial spin labeling at 7T with parallel transmission B1 shimming. Magnetic Resonance in Medicine, 2022, 87, 249-262.	3.0	10
38	High-Resolution Neurovascular Imaging at 7T. Magnetic Resonance Imaging Clinics of North America, 2021, 29, 53-65.	1.1	9
39	Reperfusion Into Severely Damaged Brain Tissue Is Associated With Occurrence of Parenchymal Hemorrhage for Acute Ischemic Stroke. Frontiers in Neurology, 2020, 11, 586.	2.4	7
40	12 weeks of strength training improves fluid cognition in older adults: A nonrandomized pilot trial. PLoS ONE, 2021, 16, e0255018.	2.5	6
41	Assessment of carotid stiffness by measuring carotid pulse wave velocity using a single‐slice oblique‐sagittal phase‐contrast MRI. Magnetic Resonance in Medicine, 2021, 86, 442-455.	3.0	5
42	Improved depiction of subthalamic nucleus and globus pallidus internus with optimized high‐resolution quantitative susceptibility mapping at 7 T. NMR in Biomedicine, 2020, 33, e4382.	2.8	4
43	Improved sensitivity of cellular MRI using phase-cycled balanced SSFP of ferumoxytol nanocomplex-labeled macrophages at ultrahigh field. International Journal of Nanomedicine, 2018, Volume 13, 3839-3852.	6.7	3
44	Assessment of brain iron accumulation in Alzheimer's disease with quantitative susceptibility mapping. Alzheimer's and Dementia, 2020, 16, e038799.	0.8	2
45	Semiautomatic cerebrovascular territory mapping based on dynamic ASL MR angiography without vessel‐encoded labeling. Magnetic Resonance in Medicine, 2021, 85, 2735-2746.	3.0	2
46	Abstract WP60: Kernel Spectral Regression and Neural Networks Enable Regional Detection of Hemorrhagic Transformation on Multi-Modal MRI for Acute Ischemic Stroke. Stroke, 2018, 49, .	2.0	1
47	P2‐100: IMPACT OF HYPERTENSION ON INTRACRANIAL ARTERIAL COMPLIANCE IN A LATINO COHORT. Alzheimer's and Dementia, 2018, 14, P706.	0.8	0
48	O5‐01‐06: HIGH RESOLUTION 3D BLACK BLOOD MRI OF HUMAN LENTICULOSTRIATE ARTERIES AS AN IMAGING BIOMARKER FOR VASCULAR COGNITIVE IMPAIRMENT AND DEMENTIA. Alzheimer's and Dementia, 2018, 14, P1641.	0.8	0
49	Abstract WP419: Visualization and Evaluation of Human Lenticulostriate Arteries Using High-resolution Black-blood T1-weighted Turbo-spin Echo (TSE) at 3T and 7T. Stroke, 2018, 49, .	2.0	0
50	Abstract WMP24: Reperfusion Into Severely Damaged Brain Tissue is Associated With Impending Parenchymal Hemorrhage in Acute Ischemic Stroke Patients. Stroke, 2018, 49, .	2.0	0
51	k-space weighted image average (KWIA) for ASL-based dynamic MR angiography and perfusion imaging. Magnetic Resonance Imaging, 2022, 86, 94-106.	1.8	0