Xiaoyun Liang

List of Publications by Year
in descending order

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30 papers	675 citations	623734 14 h-index	610901 24 g-index
30 all docs	30 docs citations	30 times ranked	1399 citing authors

#	Article	IF	Citations
1	Fixel-based Analysis of Diffusion MRI: Methods, Applications, Challenges and Opportunities. NeuroImage, 2021, 241, 118417.	4.2	117
2	Mapping Structural Connectivity Using Diffusion <scp>MRI</scp>: Challenges and Opportunities. Journal of Magnetic Resonance Imaging, 2021, 53, 1666-1682.	3.4	95
3	Neural activation in the â€œreward circuitâ€•shows a nonlinear response to facial attractiveness. Social Neuroscience, 2010, 5, 320-334.	1.3	88
4	Correction for diffusion MRI fibre tracking biases: The consequences for structural connectomic metrics. NeuroImage, 2016, 142, 150-162.	4.2	65
5	Graph analysis of resting-state ASL perfusion MRI data: Nonlinear correlations among CBF and network metrics. NeuroImage, 2014, 87, 265-275.	4.2	41
6	Increased cerebral blood flow with increased amyloid burden in the preclinical phase of alzheimer's disease. Journal of Magnetic Resonance Imaging, 2020, 51, 505-513.	3.4	35
7	Improved partial volume correction for single inversion time arterial spin labeling data. Magnetic Resonance in Medicine, 2013, 69, 531-537.	3.0	33
8	Voxel-Wise Functional Connectomics Using Arterial Spin Labeling Functional Magnetic Resonance Imaging: The Role of Denoising. Brain Connectivity, 2015, 5, 543-553.	1.7	26
9	A kâ€space sharing 3D GRASE pseudocontinuous ASL method for wholeâ€brain restingâ€state functional connectivity. International Journal of Imaging Systems and Technology, 2012, 22, 37-43.	4.1	25
10	Reproducibility of multiphase pseudo-continuous arterial spin labeling and the effect of post-processing analysis methods. NeuroImage, 2015, 117, 191-201.	4.2	22
11	Track-weighted dynamic functional connectivity (TW-dFC): a new method to study time-resolved functional connectivity. Brain Structure and Function, 2017, 222, 3761-3774.	2.3	19
12	Effective connectivity between amygdala and orbitofrontal cortex differentiates the perception of facial expressions. Social Neuroscience, 2009, 4, 185-196.	1.3	17
13	A variable flip angle-based method for reducing blurring in 3D GRASE ASL. Physics in Medicine and Biology, 2014, 59, 5559-5573.	3.0	17
14	T2 mapping of cartilage and menisci at 3T in healthy subjects with knee malalignment: initial experience. Skeletal Radiology, 2019, 48, 753-763.	2.0	15
15	A novel joint sparse partial correlation method for estimating group functional networks. Human Brain Mapping, 2016, 37, 1162-1177.	3.6	13
16	Longitudinal fixel-based analysis reveals restoration of white matter alterations following balance training in young brain-injured patients. NeuroImage: Clinical, 2021, 30, 102621.	2.7	12
17	Structural Connectivity Remote From Lesions Correlates With Somatosensory Outcome Poststroke. Stroke, 2021, 52, 2910-2920.	2.0	9
18	Robust Identification of Rich-Club Organization in Weighted and Dense Structural Connectomes. Brain Topography, 2019, 32, 1-16.	1.8	6

#	Article	IF	Citations
19	A Novel Group-Fused Sparse Partial Correlation Method for Simultaneous Estimation of Functional Networks in Group Comparison Studies. Brain Topography, 2018, 31, 364-379.	1.8	5
20	Predicting Post-Stroke Somatosensory Function from Resting-State Functional Connectivity: A Feasibility Study. Brain Sciences, 2021, 11, 1388.	2.3	5
21	Decimative subspace-based parameter estimation methods of magnetic resonance spectroscopy based on prior knowledge. Magnetic Resonance Imaging, 2008, 26, 401-412.	1.8	3
22	A Novel Method for Extracting Hierarchical Functional Subnetworks Based on a Multisubject Spectral Clustering Approach. Brain Connectivity, 2019, 9, 399-414.	1.7	2
23	Estimation and Removal of Physiological Noise from Undersampled Multi-slice fMRI data in Image Space. , 2005, 2005, 1371-3.		1
24	Mapping Structural Connectivity Using Diffusion <scp>MRI</scp>: Challenges and Opportunities. Journal of Magnetic Resonance Imaging, 2021, 53, .	3.4	1
25	Editorial for â€œGadolinium Clearance in the First 5â€‰Weeks After Repeated Intravenous Administration of Gadoteridol, Gadoterate Meglumine and Gadobutrol to ratsâ€• Journal of Magnetic Resonance Imaging, 2021, 54, 1645-1646.	3.4	1
26	T2 MRI at 3T of cartilage and menisci in patients with hyperuricemia: initial findings. Skeletal Radiology, 2021, , 1.	2.0	1
27	T1rho mapping of cartilage and menisci in patients with hyperuricaemia at 3 T: a preliminary study. Clinical Radiology, 2021, 76, 710.e1-710.e8.	1.1	1
28	Non-uniform MR image reconstruction based on non-uniform FFT. , 2007, , .		0
29	P4-266: Decreases in cerebral blood flow are associated with AÎ² status in preclinical Alzheimer's disease. , 2015, 11, P886-P886.		0
30	P1â€440: INCREASED CEREBRAL BLOOD FLOW WITH INCREASED AMYLOID BURDEN IN PRECLINICAL AD. Alzheimer's and Dementia, 2018, 14, P479.	0.8	0