Hongjian He

List of Publications by Year
in descending order

47	894	567281 15	526287 27
papers	citations	h-index	g-index

49	49	49	1431
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A geometric view of global signal confounds in resting-state functional MRI. NeuroImage, 2012, 59, 2339-2348.	4.2	85
2	Intra- and Inter-Scanner Reliability of Voxel-Wise Whole-Brain Analytic Metrics for Resting State fMRI. Frontiers in Neuroinformatics, 2018, 12, 54.	2.5	73
3	Robust slidingâ€window reconstruction for Accelerating the acquisition of MR fingerprinting. Magnetic Resonance in Medicine, 2017, 78, 1579-1588.	3.0	61
4	Detection of Lesions in Mesial Temporal Lobe Epilepsy by Using MR Fingerprinting. Radiology, 2018, 288, 804-812.	7.3	60
5	Fast learning of fiber orientation distribution function for <scp>MR</scp> tractography using convolutional neural network. Medical Physics, 2019, 46, 3101-3116.	3.0	51
6	Fast 3D brain MR fingerprinting based on multiâ€axis spiral projection trajectory. Magnetic Resonance in Medicine, 2019, 82, 289-301.	3.0	48
7	MTE-NODDI: Multi-TE NODDI for disentangling non-T2-weighted signal fractions from compartment-specific T2 relaxation times. NeuroImage, 2020, 217, 116906.	4.2	47
8	Efficient parallel reconstruction for high resolution multishot spiral diffusion data with low rank constraint. Magnetic Resonance in Medicine, 2017, 77, 1359-1366.	3.0	37
9	Simulation of changes in diffusion related to different pathologies at cellular level after traumatic brain injury. Magnetic Resonance in Medicine, 2016, 76, 290-300.	3.0	36
10	Multicenter dataset of multi-shell diffusion MRI in healthy traveling adults with identical settings. Scientific Data, 2020, 7, 157.	5.3	27
11	A deep learning-based multisite neuroimage harmonization framework established with a traveling-subject dataset. NeuroImage, 2022, 257, 119297.	4.2	22
12	Reproducibility of multi-shell diffusion tractography on traveling subjects: A multicenter study prospective. Magnetic Resonance Imaging, 2019, 59, 1-9.	1.8	20
13	Somatotopic reorganization of hand representation in bilateral arm amputees with or without special foot movement skill. Brain Research, 2014, 1546, 9-17.	2.2	18
14	Wakingâ€hour cerebral activations in nightmare disorder: A restingâ€state functional magnetic resonance imaging study. Psychiatry and Clinical Neurosciences, 2016, 70, 573-581.	1.8	18
15	Magnetic resonance fingerprinting of temporal lobe white matter in mesial temporal lobe epilepsy. Annals of Clinical and Translational Neurology, 2019, 6, 1639-1646.	3.7	18
16	Fast and Robust Diffusion Kurtosis Parametric Mapping Using a Three-Dimensional Convolutional Neural Network. IEEE Access, 2019, 7, 71398-71411.	4.2	18
17	Altered Activity and Functional Connectivity of Superior Temporal Gyri in Anxiety Disorders: A Functional Magnetic Resonance Imaging Study. Korean Journal of Radiology, 2014, 15, 523.	3.4	17
18	Intensity and sulci landmark combined brain atlas construction for Chinese pediatric population. Human Brain Mapping, 2014, 35, 3880-3892.	3.6	17

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19	High resolution myelin water imaging incorporating local tissue susceptibility analysis. Magnetic Resonance Imaging, 2017, 42, 107-113.	1.8	17
20	Effect of myelin water exchange on DTIâ€derived parameters in diffusion MRI: Elucidation of TE dependence. Magnetic Resonance in Medicine, 2018, 79, 1650-1660.	3.0	15
21	Rigid motion correction for magnetic resonance fingerprinting with sliding-window reconstruction and image registration. Magnetic Resonance Imaging, 2019, 57, 303-312.	1.8	15
22	Evaluation of the diffusion MRI white matter tract integrity model using myelin histology and Monte-Carlo simulations. NeuroImage, 2020, 223, 117313.	4.2	14
23	Optimized multiâ€axis spiral projection <scp>MR</scp> fingerprinting with subspace reconstruction for rapid wholeâ€brain highâ€isotropicâ€resolution quantitative imaging. Magnetic Resonance in Medicine, 2022, 88, 133-150.	3.0	14
24	MOdel-Based SyntheTic Data-Driven Learning (MOST-DL): Application in Single-Shot T₂ Mapping With Severe Head Motion Using Overlapping-Echo Acquisition. IEEE Transactions on Medical Imaging, 2022, 41, 3167-3181.	8.9	14
25	Multimodal MRI characterisation of schizophrenia: a discriminative analysis. Lancet, The, 2016, 388, S36.	13.7	13
26	Efficient T₂ mapping with blipâ€up/down EPI and gSliderâ€SMS (T₂â€BUDAâ€gSlider). Magnetic Resonance in Medicine, 2021, 86, 2064-2075.	3.0	13
27	A deep learningâ€“based method for improving reliability of multicenter diffusion kurtosis imaging with varied acquisition protocols. Magnetic Resonance Imaging, 2020, 73, 31-44.	1.8	12
28	Ultrashort echo time magnetic resonance fingerprinting (UTEâ€MRF) for simultaneous quantification of long and ultrashort T₂ tissues. Magnetic Resonance in Medicine, 2019, 82, 1359-1372.	3.0	11
29	Waveâ€CAIPI ViSTa: highly accelerated wholeâ€brain direct myelin water imaging with zeroâ€padding reconstruction. Magnetic Resonance in Medicine, 2018, 80, 1061-1073.	3.0	10
30	Interactive effects of gender and sexual orientation on cortical thickness, surface area and gray matter volume: a structural brain MRI study. Quantitative Imaging in Medicine and Surgery, 2020, 10, 835-846.	2.0	9
31	Multi-Material Decomposition for Single Energy CT Using Material Sparsity Constraint. IEEE Transactions on Medical Imaging, 2021, 40, 1303-1318.	8.9	8
32	The association of myelination in the internal capsule with iron deposition in the basal ganglia in macaques: a magnetic resonance imaging study. Quantitative Imaging in Medicine and Surgery, 2020, 10, 1526-1539.	2.0	7
33	Deep learningâ€based method for reducing residual motion effects in diffusion parameter estimation. Magnetic Resonance in Medicine, 2021, 85, 2278-2293.	3.0	7
34	Rhythm of Silence. Trends in Cognitive Sciences, 2016, 20, 82-84.	7.8	6
35	Evaluating the Influence of Spatial Resampling for Motion Correction in Resting-State Functional MRI. Frontiers in Neuroscience, 2016, 10, 591.	2.8	5
36	Reducing Individual Variation for fMRI Studies in Children by Minimizing Template Related Errors. PLoS ONE, 2015, 10, e0134195.	2.5	5

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37	Dynamic functional connectivity analysis of Taichong (LR3) acupuncture effects in various brain regions. Neural Regeneration Research, 2012, 7, 451-6.	3.0	5
38	Nanoporous hollow fibers as a phantom material for the validation of diffusion magnetic resonance imaging. Journal of Applied Polymer Science, 2019, 136, 47617.	2.6	3
39	Exploring the Relationship between Gray and White Matter in Healthy Adults: A Hybrid Research of Cortical Reconstruction and Tractography. BioMed Research International, 2021, 2021, 1-9.	1.9	3
40	Meta-Learning Based Interactively Connected Clique U-Net for Quantitative Susceptibility Mapping. IEEE Transactions on Computational Imaging, 2021, 7, 1385-1399.	4.4	3
41	Towards accurate facial nerve segmentation with decoupling optimization. Physics in Medicine and Biology, 2022, 67, 065007.	3.0	3
42	Squeezed Trajectory Design for Peak RF and Integrated RF Power Reduction in Parallel Transmission MRI. IEEE Transactions on Medical Imaging, 2018, 37, 1809-1821.	8.9	2
43	Reproducibility of volume and asymmetry measurements of hippocampus, amygdala, and entorhinal cortex on traveling volunteers: a multisite MP2RAGE prospective study. Acta Radiologica, 2021, 62, 1381-1390.	1.1	2
44	Echo Time Dependency of Local Activity Metrics of Resting-State Functional MRI. Frontiers in Neuroscience, 2021, 15, 619412.	2.8	2
45	Improved magnetic resonance myelin water imaging using multi-channel denoising convolutional neural networks (MCDnCNN). Quantitative Imaging in Medicine and Surgery, 2021, 12, 0-0.	2.0	2
46	Convolutional neural network optimizes the application of diffusion kurtosis imaging in Parkinsonâ€™s disease. Brain Informatics, 2021, 8, 18.	3.0	1
47	Lie construction affects information storage under high memory load condition. PLoS ONE, 2017, 12, e0181007.	2.5	0