Junqian Xu

List of Publications by Year
in descending order

62 papers	16,011 citations	147801 31 h-index	133252 59 g-index
74 all docs	74 docs citations	74 times ranked	13923 citing authors

#	Article	IF	Citations
1	Selective augmentation of corticospinal motor drive with trans-spinal direct current stimulation in the cat. Brain Stimulation, 2022, , .	1.6	6
2	Comparison of multicenter <scp>MRI</scp> protocols for visualizing the spinal cord gray matter. Magnetic Resonance in Medicine, 2022, 88, 849-859.	3.0	4
3	Empirical transmit field bias correction of T1w/T2w myelin maps. NeuroImage, 2022, 258, 119360.	4.2	20
4	Association Between Habenular Volume and Hemoglobin A1c in Young Adults Differs on the Basis of Smoking Status: Findings From the Human Connectome Project. Biological Psychiatry, 2021, 89, S271-S272.	1.3	0
5	Angiogenic gene networks are dysregulated in opioid use disorder: evidence from multi-omics and imaging of postmortem human brain. Molecular Psychiatry, 2021, 26, 7803-7812.	7.9	31
6	Decoding Neural Activity in Sulcal and White Matter Areas of the Brain to Accurately Predict Individual Finger Movement and Tactile Stimuli of the Human Hand. Frontiers in Neuroscience, 2021, 15, 699631.	2.8	5
7	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. Scientific Data, 2021, 8, 219.	5.3	27
8	Generic acquisition protocol for quantitative MRI of the spinal cord. Nature Protocols, 2021, 16, 4611-4632.	12.0	65
9	Historical perspectives, challenges, and future directions of implantable brain-computer interfaces for sensorimotor applications. Bioelectronic Medicine, 2021, 7, 14.	2.3	11
10	Smoking status links habenular volume to glycated hemoglobin: Findings from the Human Connectome Project-Young Adult. Psychoneuroendocrinology, 2021, 131, 105321.	2.7	4
11	Evoking highly focal percepts in the fingertips through targeted stimulation of sulcal regions of the brain for sensory restoration. Brain Stimulation, 2021, 14, 1184-1196.	1.6	16
12	Frequency drift in MR spectroscopy at 3T. NeuroImage, 2021, 241, 118430.	4.2	28
13	Long-term ecological assessment of intracranial electrophysiology synchronized to behavioral markers in obsessive-compulsive disorder. Nature Medicine, 2021, 27, 2154-2164.	30.7	44
14	Positive Valence Systems Deficits in Adolescent Depression. Biological Psychiatry, 2020, 87, S322-S323.	1.3	0
15	Lower cortical gamma-aminobutyric acid level contributes to increased connectivity in sensory-motor regions in progressive MS. Multiple Sclerosis and Related Disorders, 2020, 43, 102183.	2.0	4
16	Optimizing Habenula Resting-State fMRI Reveals Network Abnormalities Related to Adolescent Mood and Anxiety Symptoms. Biological Psychiatry, 2020, 87, S34-S35.	1.3	0
17	Detailed mapping of human habenula resting-state functional connectivity. NeuroImage, 2019, 200, 621-634.	4.2	31
18	Spinal cord involvement in multiple sclerosis and neuromyelitis optica spectrum disorders. Lancet Neurology, The, 2019, 18, 185-197.	10.2	110

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19	Formalin tissue fixation biases myelinâ€sensitive MRI. Magnetic Resonance in Medicine, 2019, 82, 1504-1517.	3.0	28
20	Incorporating non-linear alignment and multi-compartmental modeling for improved human optic nerve diffusion imaging. NeuroImage, 2019, 196, 102-113.	4.2	6
21	Reproducibility of myelin contentâ€based human habenula segmentation at 3 Tesla. Human Brain Mapping, 2018, 39, 3058-3071.	3.6	17
22	5.2 Gamma-Aminobutyric Acid as a Biomarker in Adolescent Depression: A Longitudinal Study. Journal of the American Academy of Child and Adolescent Psychiatry, 2018, 57, S227.	0.5	1
23	Imaging Habenula Volume in Schizophrenia and Bipolar Disorder. Frontiers in Psychiatry, 2018, 9, 456.	2.6	28
24	Elevated striatal Î³-aminobutyric acid in youth with major depressive disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 86, 203-210.	4.8	17
25	7 Tesla 22â€channel wrapâ€around coil array for cervical spinal cord and brainstem imaging. Magnetic Resonance in Medicine, 2017, 78, 1623-1634.	3.0	33
26	Magnetic Resonance Imaging Biomarker of Axon Loss Reflects Cervical Spondylotic Myelopathy Severity. Spine, 2016, 41, 751-756.	2.0	32
27	Microstructure Imaging of Crossing (MIX) White Matter Fibers from diffusion MRI. Scientific Reports, 2016, 6, 38927.	3.3	43
28	The Human Connectome Project's neuroimaging approach. Nature Neuroscience, 2016, 19, 1175-1187.	14.8	825
29	Multimodal population brain imaging in the UK Biobank prospective epidemiological study. Nature Neuroscience, 2016, 19, 1523-1536.	14.8	1,414
30	Resting-state functional connectivity of the human habenula in healthy individuals: Associations with subclinical depression. Human Brain Mapping, 2016, 37, 2369-2384.	3.6	81
31	A SEmiâ€Adiabatic matchedâ€phase spin echo (SEAMS) PINS pulseâ€pair for B 1 â€insensitive simultaneous multislice imaging. Magnetic Resonance in Medicine, 2016, 75, 709-717.	3.0	10
32	Human habenula segmentation using myelin content. NeuroImage, 2016, 130, 145-156.	4.2	38
33	Evaluation of highly accelerated simultaneous multi-slice EPI for fMRI. NeuroImage, 2015, 104, 452-459.	4.2	107
34	High-Resolution Mapping of Myeloarchitecture In Vivo: Localization of Auditory Areas in the Human Brain. Cerebral Cortex, 2015, 25, 3394-3405.	2.9	90
35	Optic Nerve Diffusion Tensor Imaging Parameters and Their Correlation With Optic Disc Topography and Disease Severity in Adult Glaucoma Patients and Controls. Journal of Glaucoma, 2014, 23, 513-520.	1.6	33
36	ICA-based artefact removal and accelerated fMRI acquisition for improved resting state network imaging. NeuroImage, 2014, 95, 232-247.	4.2	1,148

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37	Estimation of the CSAâ€ODF using Bayesian compressed sensing of multiâ€shell HARDI. Magnetic Resonance in Medicine, 2014, 72, 1471-1485.	3.0	15
38	Study protocol: the Whitehall II imaging sub-study. BMC Psychiatry, 2014, 14, 159.	2.6	82
39	Effects of image reconstruction on fiber orientation mapping from multichannel diffusion MRI: Reducing the noise floor using SENSE. Magnetic Resonance in Medicine, 2013, 70, 1682-1689.	3.0	169
40	Advances in diffusion MRI acquisition and processing in the Human Connectome Project. NeuroImage, 2013, 80, 125-143.	4.2	851
41	Improved in vivo diffusion tensor imaging of human cervical spinal cord. NeuroImage, 2013, 67, 64-76.	4.2	72
42	Evaluation of slice accelerations using multiband echo planar imaging at 3T. NeuroImage, 2013, 83, 991-1001.	4.2	442
43	Resting-state fMRI in the Human Connectome Project. NeuroImage, 2013, 80, 144-168.	4.2	1,367
44	The minimal preprocessing pipelines for the Human Connectome Project. NeuroImage, 2013, 80, 105-124.	4.2	4,042
45	Pushing spatial and temporal resolution for functional and diffusion MRI in the Human Connectome Project. NeuroImage, 2013, 80, 80-104.	4.2	769
46	Multiband accelerated spinâ€echo echo planar imaging with reduced peak RF power using timeâ€shifted RF pulses. Magnetic Resonance in Medicine, 2013, 69, 1261-1267.	3.0	126
47	Spinal cord tract diffusion tensor imaging reveals disability substrate in demyelinating disease. Neurology, 2013, 80, 2201-2209.	1.1	63
48	Increased radial diffusivity in spinal cord lesions in neuromyelitis optica compared with multiple sclerosis. Multiple Sclerosis Journal, 2012, 18, 1259-1268.	3.0	48
49	Diffusion Tensor Imaging in Acute Optic Neuropathies. Archives of Neurology, 2012, 69, 65.	4.5	50
50	Temporally-independent functional modes of spontaneous brain activity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3131-3136.	7.1	696
51	The Human Connectome Project: A data acquisition perspective. NeuroImage, 2012, 62, 2222-2231.	4.2	1,978
52	Radial diffusivity in remote optic neuritis discriminates visual outcomes. Neurology, 2010, 74, 1702-1710.	1.1	82
53	Increased diffusivity in acute multiple sclerosis lesions predicts risk of black hole. Neurology, 2010, 74, 1694-1701.	1.1	72
54	NMO-IgG DETECTED IN CSF IN SERONEGATIVE NEUROMYELITIS OPTICA. Neurology, 2009, 72, 1101-1103.	1.1	75

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55	Disability in optic neuritis correlates with diffusion tensor-derived directional diffusivities. Neurology, 2009, 72, 589-594.	1.1	98
56	Optical coherence tomography differs in neuromyelitis optica compared with multiple sclerosis. Neurology, 2009, 72, 1077-1082.	1.1	182
57	Optical coherence tomography is less sensitive than visual evoked potentials in optic neuritis. Neurology, 2009, 73, 46-52.	1.1	137
58	Magnetic resonance diffusion characteristics of histologically defined prostate cancer in humans. Magnetic Resonance in Medicine, 2009, 61, 842-850.	3.0	109
59	Assessing optic nerve pathology with diffusion MRI: from mouse to human. NMR in Biomedicine, 2008, 21, 928-940.	2.8	85
60	Directional diffusivity as a magnetic resonance (MR) biomarker in demyelinating disease. Proceedings of SPIE, 2007, , .	0.8	1
61	Effects of physiologic challenge on the ADC of intracellular water in theXenopus oocyte. Magnetic Resonance in Medicine, 2004, 52, 239-247.	3.0	19
62	Prefrontal-Habenular Microstructural Impairments in Human Cocaine and Heroin Addiction. SSRN Electronic Journal, 0, , .	0.4	0