Chaozhe Zhu

List of Publications by Year
in descending order

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68	11,249	101543	106344
papers	citations	36 h-index	65 g-index

73	73	73	11384
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Altered baseline brain activity in children with ADHD revealed by resting-state functional MRI. Brain and Development, 2007, 29, 83-91.	1.1	2,118
2	REST: A Toolkit for Resting-State Functional Magnetic Resonance Imaging Data Processing. PLoS ONE, 2011, 6, e25031.	2.5	1,710
3	An improved approach to detection of amplitude of low-frequency fluctuation (ALFF) for resting-state fMRI: Fractional ALFF. Journal of Neuroscience Methods, 2008, 172, 137-141.	2.5	1,617
4	Parcellationâ€dependent smallâ€world brain functional networks: A restingâ€state fMRI study. Human Brain Mapping, 2009, 30, 1511-1523.	3.6	585
5	Uncovering Intrinsic Modular Organization of Spontaneous Brain Activity in Humans. PLoS ONE, 2009, 4, e5226.	2.5	578
6	Dynamic functional reorganization of the motor execution network after stroke. Brain, 2010, 133, 1224-1238.	7.6	547
7	Altered smallâ€world brain functional networks in children with attentionâ€deficit/hyperactivity disorder. Human Brain Mapping, 2009, 30, 638-649.	3.6	431
8	Neural Synchronization during Face-to-Face Communication. Journal of Neuroscience, 2012, 32, 16064-16069.	3.6	357
9	Use of fNIRS to assess resting state functional connectivity. Journal of Neuroscience Methods, 2010, 186, 242-249.	2.5	235
10	Sex- and Brain Sizeâ€“Related Small-World Structural Cortical Networks in Young Adults: A DTI Tractography Study. Cerebral Cortex, 2011, 21, 449-458.	2.9	231
11	Fisher discriminative analysis of resting-state brain function for attention-deficit/hyperactivity disorder. NeuroImage, 2008, 40, 110-120.	4.2	217
12	A longitudinal diffusion tensor imaging study on Wallerian degeneration of corticospinal tract after motor pathway stroke. NeuroImage, 2009, 47, 451-458.	4.2	203
13	Abnormal resting-state functional connectivity patterns of the putamen in medication-naÃ¯ve children with attention deficit hyperactivity disorder. Brain Research, 2009, 1303, 195-206.	2.2	184
14	Interpersonal brain synchronization in the right temporo-parietal junction during face-to-face economic exchange. Social Cognitive and Affective Neuroscience, 2016, 11, 23-32.	3.0	148
15	Abnormal functional connectivity between the anterior cingulate and the default mode network in drug-naÃ¯ve boys with attention deficit hyperactivity disorder. Psychiatry Research - Neuroimaging, 2012, 201, 120-127.	1.8	147
16	Functional connectivity as revealed by independent component analysis of resting-state fNIRS measurements. NeuroImage, 2010, 51, 1150-1161.	4.2	144
17	Asymmetry analysis of cingulum based on scaleâ€invariant parameterization by diffusion tensor imaging. Human Brain Mapping, 2005, 24, 92-98.	3.6	140
18	Quantitative comparison of resting-state functional connectivity derived from fNIRS and fMRI: A simultaneous recording study. NeuroImage, 2012, 60, 2008-2018.	4.2	105

#	Article	IF	Citations
19	Testâ€“retest assessment of independent component analysis-derived resting-state functional connectivity based on functional near-infrared spectroscopy. NeuroImage, 2011, 55, 607-615.	4.2	87
20	The macrostructural and microstructural abnormalities of corpus callosum in children with attention deficit/hyperactivity disorder: A combined morphometric and diffusion tensor MRI study. Brain Research, 2010, 1310, 172-180.	2.2	82
21	Dynamic brain structural changes after left hemisphere subcortical stroke. Human Brain Mapping, 2013, 34, 1872-1881.	3.6	81
22	Multicontext fuzzy clustering for separation of brain tissues in magnetic resonance images. NeuroImage, 2003, 18, 685-696.	4.2	77
23	Hemispheric asymmetry in cognitive division of anterior cingulate cortex: A resting-state functional connectivity study. NeuroImage, 2009, 47, 1579-1589.	4.2	76
24	NIRS-KIT: a MATLAB toolbox for both resting-state and task fNIRS data analysis. Neurophotonics, 2021, 8, 010802.	3.3	73
25	Alerting deficits in children with attention deficit/hyperactivity disorder: Event-related fMRI evidence. Brain Research, 2008, 1219, 159-168.	2.2	72
26	Resting-State Brain Activity in Adult Males Who Stutter. PLoS ONE, 2012, 7, e30570.	2.5	68
27	Detecting resting-state functional connectivity in the language system using functional near-infrared spectroscopy. Journal of Biomedical Optics, 2010, 15, 047003.	2.6	66
28	Feasibility of Functional Near-Infrared Spectroscopy (fNIRS) to Investigate the Mirror Neuron System: An Experimental Study in a Real-Life Situation. Frontiers in Human Neuroscience, 2018, 12, 86.	2.0	58
29	Subject order-independent group ICA (SOI-GICA) for functional MRI data analysis. NeuroImage, 2010, 51, 1414-1424.	4.2	50
30	Side and handedness effects on the cingulum from diffusion tensor imaging. NeuroReport, 2005, 16, 1701-1705.	1.2	48
31	Cross-Brain Neurofeedback: Scientific Concept and Experimental Platform. PLoS ONE, 2013, 8, e64590.	2.5	47
32	Resting-state functional connectivity assessed with two diffuse optical tomographic systems. Journal of Biomedical Optics, 2011, 16, 046006.	2.6	45
33	Classification of Types of Stuttering Symptoms Based on Brain Activity. PLoS ONE, 2012, 7, e39747.	2.5	42
34	Assessing autism at its social and developmental roots: A review of Autism Spectrum Disorder studies using functional near-infrared spectroscopy. NeuroImage, 2019, 185, 955-967.	4.2	41
35	Convergent Evidence from Multimodal Imaging Reveals Amygdala Abnormalities in Schizophrenic Patients and Their First-Degree Relatives. PLoS ONE, 2011, 6, e28794.	2.5	39
36	Cluster imaging of multi-brain networks (CIMBN): a general framework for hyperscanning and modeling a group of interacting brains. Frontiers in Neuroscience, 2015, 9, 267.	2.8	37

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37	Team-work, Team-brain: Exploring synchrony and team interdependence in a nine-person drumming task via multiparticipant hyperscanning and inter-brain network topology with fNIRS. NeuroImage, 2021, 237, 118147.	4.2	36
38	Is resting-state functional connectivity revealed by functional near-infrared spectroscopy test-retest reliable?. Journal of Biomedical Optics, 2011, 16, 067008.	2.6	34
39	Multiregional functional near-infrared spectroscopy reveals globally symmetrical and frequency-specific patterns of superficial interference. Biomedical Optics Express, 2015, 6, 2786.	2.9	31
40	Holistic cognitive and neural processes: a fNIRS-hyperscanning study on interpersonal sensorimotor synchronization. Social Cognitive and Affective Neuroscience, 2018, 13, 1141-1154.	3.0	30
41	Semi-automatic 10/20 Identification Method for MRI-Free Probe Placement in Transcranial Brain Mapping Techniques. Frontiers in Neuroscience, 2017, 11, 4.	2.8	26
42	Functional near-infrared spectroscopy (fNIRS) as a tool to assist the diagnosis of major psychiatric disorders in a Chinese population. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 745-757.	3.2	24
43	Transcranial brain atlas. Science Advances, 2018, 4, eaar6904.	10.3	23
44	Intersession Instability in fNIRS-Based Emotion Recognition. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1324-1333.	4.9	22
45	Erratum to â€œAltered baseline brain activity in children with ADHD revealed by resting-state functional MRIâ€•[Brain Develop 29 (2) (2007) 83â€“91]. Brain and Development, 2012, 34, 336.	1.1	21
46	Functional near-infrared spectroscopy-informed neurofeedback: regional-specific modulation of lateral orbitofrontal activation and cognitive flexibility. Neurophotonics, 2019, 6, 1.	3.3	21
47	Assessing Brain Networks by Resting-State Dynamic Functional Connectivity: An fNIRS-EEG Study. Frontiers in Neuroscience, 2019, 13, 1430.	2.8	19
48	Neural correlates of comprehension and production of nouns and verbs in Chinese. Brain and Language, 2012, 122, 126-131.	1.6	17
49	Reappraisal writing relieves social anxiety and may be accompanied by changes in frontal alpha asymmetry. Frontiers in Psychology, 2015, 6, 1604.	2.1	15
50	Correlations in spontaneous activity and gray matter density between left and right sensoritmotor areas of pianists. NeuroReport, 2008, 19, 631-634.	1.2	13
51	Targeting brain functions from the scalp: Transcranial brain atlas based on large-scale fMRI data synthesis. NeuroImage, 2020, 210, 116550.	4.2	13
52	Determination of Dominant Frequency of Resting-State Brain Interaction within One Functional System. PLoS ONE, 2012, 7, e51584.	2.5	12
53	Testâ€“retest reliability of the prefrontal response to affective pictures based on functional near-infrared spectroscopy. Journal of Biomedical Optics, 2017, 22, 016011.	2.6	11
54	Improving Emotion Regulation Through Real-Time Neurofeedback Training on the Right Dorsolateral Prefrontal Cortex: Evidence From Behavioral and Brain Network Analyses. Frontiers in Human Neuroscience, 2021, 15, 620342.	2.0	11

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55	A scalp-measurement based parameter space: Towards locating TMS coils in a clinically-friendly way. Brain Stimulation, 2022, 15, 924-926.	1.6	11
56	Dyad sex composition effect on inter-brain synchronization in face-to-face cooperation. Brain Imaging and Behavior, 2021, 15, 1667-1675.	2.1	10
57	Independent component analysis-based source-level hyperlink analysis for two-person neuroscience studies. Journal of Biomedical Optics, 2017, 22, 027004.	2.6	9
58	Frontal Cortical Asymmetry May Partially Mediate the Influence of Social Power on Anger Expression. Frontiers in Psychology, 2016, 7, 73.	2.1	8
59	Transcranial brain atlasâ€based optimization for functional nearâ€infrared spectroscopy optode arrangement: Theory, algorithm, and application. Human Brain Mapping, 2021, 42, 1657-1669.	3.6	7
60	From reversal to normal: Robust improvement in conflict adaptation through real-time functional near infrared spectroscopy-based neurofeedback training. Neuropsychologia, 2021, 157, 107866.	1.6	7
61	A parallel-group study of near-infrared spectroscopy-neurofeedback in children with attention deficit hyperactivity disorder. Psychiatry Research, 2022, 309, 114364.	3.3	6
62	A Gaussian mixture model based adaptive classifier for fNIRS brainâ€“computer interfaces and its testing via simulation. Journal of Neural Engineering, 2017, 14, 046014.	3.5	5
63	Transcranial brain atlas for school-aged children and adolescents. Brain Stimulation, 2021, 14, 895-905.	1.6	5
64	Functional Near-Infrared Spectroscopy Neurofeedback Enhances Human Spatial Memory. Frontiers in Human Neuroscience, 2021, 15, 681193.	2.0	5
65	NIRS-ICA: A MATLAB Toolbox for Independent Component Analysis Applied in fNIRS Studies. Frontiers in Neuroinformatics, 2021, 15, 683735.	2.5	4
66	Interaction of multiple networks modulated by the working memory training based on real-time fMRI. Proceedings of SPIE, 2015, , .	0.8	0
67	Functional Near-Infrared Spectroscopy Neurofeedback of Cortical Target Enhances Hippocampal Activation and Memory Performance. Neuroscience Bulletin, 2021, 37, 1251-1255.	2.9	0
68	Advances on Medical Imaging and Computing. Lecture Notes in Computer Science, 2005, , 13-23.	1.3	0