

# Chaozhe Zhu

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

11,249  
citations

101543

36  
h-index

106344

65  
g-index

73  
all docs

73  
docs citations

73  
times ranked

11384  
citing authors

#	ARTICLE	IF	CITATIONS
1	A parallel-group study of near-infrared spectroscopy-neurofeedback in children with attention deficit hyperactivity disorder. <i>Psychiatry Research</i> , 2022, 309, 114364.	3.3	6
2	A scalp-measurement based parameter space: Towards locating TMS coils in a clinically-friendly way. <i>Brain Stimulation</i> , 2022, 15, 924-926.	1.6	11
3	Dyad sex composition effect on inter-brain synchronization in face-to-face cooperation. <i>Brain Imaging and Behavior</i> , 2021, 15, 1667-1675.	2.1	10
4	Functional near-infrared spectroscopy (fNIRS) as a tool to assist the diagnosis of major psychiatric disorders in a Chinese population. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021, 271, 745-757.	3.2	24
5	Transcranial brain atlas-based optimization for functional near-infrared spectroscopy optode arrangement: Theory, algorithm, and application. <i>Human Brain Mapping</i> , 2021, 42, 1657-1669.	3.6	7
6	Improving Emotion Regulation Through Real-Time Neurofeedback Training on the Right Dorsolateral Prefrontal Cortex: Evidence From Behavioral and Brain Network Analyses. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 620342.	2.0	11
7	Functional Near-Infrared Spectroscopy Neurofeedback of Cortical Target Enhances Hippocampal Activation and Memory Performance. <i>Neuroscience Bulletin</i> , 2021, 37, 1251-1255.	2.9	0
8	Transcranial brain atlas for school-aged children and adolescents. <i>Brain Stimulation</i> , 2021, 14, 895-905.	1.6	5
9	NIRS-ICA: A MATLAB Toolbox for Independent Component Analysis Applied in fNIRS Studies. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 683735.	2.5	4
10	From reversal to normal: Robust improvement in conflict adaptation through real-time functional near infrared spectroscopy-based neurofeedback training. <i>Neuropsychologia</i> , 2021, 157, 107866.	1.6	7
11	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. <i>NeuroImage</i> , 2021, 237, 118147.	4.2	36
12	Functional Near-Infrared Spectroscopy Neurofeedback Enhances Human Spatial Memory. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 681193.	2.0	5
13	NIRS-KIT: a MATLAB toolbox for both resting-state and task fNIRS data analysis. <i>Neurophotonics</i> , 2021, 8, 010802.	3.3	73
14	Targeting brain functions from the scalp: Transcranial brain atlas based on large-scale fMRI data synthesis. <i>NeuroImage</i> , 2020, 210, 116550.	4.2	13
15	Assessing autism at its social and developmental roots: A review of Autism Spectrum Disorder studies using functional near-infrared spectroscopy. <i>NeuroImage</i> , 2019, 185, 955-967.	4.2	41
16	Assessing Brain Networks by Resting-State Dynamic Functional Connectivity: An fNIRS-EEG Study. <i>Frontiers in Neuroscience</i> , 2019, 13, 1430.	2.8	19
17	Functional near-infrared spectroscopy-informed neurofeedback: regional-specific modulation of lateral orbitofrontal activation and cognitive flexibility. <i>Neurophotonics</i> , 2019, 6, 1.	3.3	21
18	Holistic cognitive and neural processes: a fNIRS-hyperscanning study on interpersonal sensorimotor synchronization. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 1141-1154.	3.0	30

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19	Transcranial brain atlas. <i>Science Advances</i> , 2018, 4, eaar6904.	10.3	23
20	Feasibility of Functional Near-Infrared Spectroscopy (fNIRS) to Investigate the Mirror Neuron System: An Experimental Study in a Real-Life Situation. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 86.	2.0	58
21	Intersession Instability in fNIRS-Based Emotion Recognition. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 1324-1333.	4.9	22
22	Test-retest reliability of the prefrontal response to affective pictures based on functional near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2017, 22, 016011.	2.6	11
23	Independent component analysis-based source-level hyperlink analysis for two-person neuroscience studies. <i>Journal of Biomedical Optics</i> , 2017, 22, 027004.	2.6	9
24	A Gaussian mixture model based adaptive classifier for fNIRS brain-computer interfaces and its testing via simulation. <i>Journal of Neural Engineering</i> , 2017, 14, 046014.	3.5	5
25	Semi-automatic 10/20 Identification Method for MRI-Free Probe Placement in Transcranial Brain Mapping Techniques. <i>Frontiers in Neuroscience</i> , 2017, 11, 4.	2.8	26
26	Frontal Cortical Asymmetry May Partially Mediate the Influence of Social Power on Anger Expression. <i>Frontiers in Psychology</i> , 2016, 7, 73.	2.1	8
27	Interpersonal brain synchronization in the right temporo-parietal junction during face-to-face economic exchange. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 23-32.	3.0	148
28	Cluster imaging of multi-brain networks (CIMBN): a general framework for hyperscanning and modeling a group of interacting brains. <i>Frontiers in Neuroscience</i> , 2015, 9, 267.	2.8	37
29	Reappraisal writing relieves social anxiety and may be accompanied by changes in frontal alpha asymmetry. <i>Frontiers in Psychology</i> , 2015, 6, 1604.	2.1	15
30	Interaction of multiple networks modulated by the working memory training based on real-time fMRI. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
31	Multiregional functional near-infrared spectroscopy reveals globally symmetrical and frequency-specific patterns of superficial interference. <i>Biomedical Optics Express</i> , 2015, 6, 2786.	2.9	31
32	Dynamic brain structural changes after left hemisphere subcortical stroke. <i>Human Brain Mapping</i> , 2013, 34, 1872-1881.	3.6	81
33	Cross-Brain Neurofeedback: Scientific Concept and Experimental Platform. <i>PLoS ONE</i> , 2013, 8, e64590.	2.5	47
34	Neural correlates of comprehension and production of nouns and verbs in Chinese. <i>Brain and Language</i> , 2012, 122, 126-131.	1.6	17
35	Neural Synchronization during Face-to-Face Communication. <i>Journal of Neuroscience</i> , 2012, 32, 16064-16069.	3.6	357
36	Quantitative comparison of resting-state functional connectivity derived from fNIRS and fMRI: A simultaneous recording study. <i>NeuroImage</i> , 2012, 60, 2008-2018.	4.2	105

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37	Classification of Types of Stuttering Symptoms Based on Brain Activity. PLoS ONE, 2012, 7, e39747.	2.5	42
38	Determination of Dominant Frequency of Resting-State Brain Interaction within One Functional System. PLoS ONE, 2012, 7, e51584.	2.5	12
39	Erratum to "Altered baseline brain activity in children with ADHD revealed by resting-state functional MRI" [Brain Develop 29 (2) (2007) 83-91]. Brain and Development, 2012, 34, 336.	1.1	21
40	Abnormal functional connectivity between the anterior cingulate and the default mode network in drug-naïve boys with attention deficit hyperactivity disorder. Psychiatry Research - Neuroimaging, 2012, 201, 120-127.	1.8	147
41	Resting-State Brain Activity in Adult Males Who Stutter. PLoS ONE, 2012, 7, e30570.	2.5	68
42	Test-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
43	Is resting-state functional connectivity revealed by functional near-infrared spectroscopy test-retest reliable?. Journal of Biomedical Optics, 2011, 16, 067008.	2.6	34
44	Resting-state functional connectivity assessed with two diffuse optical tomographic systems. Journal of Biomedical Optics, 2011, 16, 046006.	2.6	45
45	REST: A Toolkit for Resting-State Functional Magnetic Resonance Imaging Data Processing. PLoS ONE, 2011, 6, e25031.	2.5	1,710
46	Sex- and Brain Size-Related Small-World Structural Cortical Networks in Young Adults: A DTI Tractography Study. Cerebral Cortex, 2011, 21, 449-458.	2.9	231
47	Convergent Evidence from Multimodal Imaging Reveals Amygdala Abnormalities in Schizophrenic Patients and Their First-Degree Relatives. PLoS ONE, 2011, 6, e28794.	2.5	39
48	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
49	Use of fNIRS to assess resting state functional connectivity. Journal of Neuroscience Methods, 2010, 186, 242-249.	2.5	235
50	Detecting resting-state functional connectivity in the language system using functional near-infrared spectroscopy. Journal of Biomedical Optics, 2010, 15, 047003.	2.6	66
51	Dynamic functional reorganization of the motor execution network after stroke. Brain, 2010, 133, 1224-1238.	7.6	547
52	Functional connectivity as revealed by independent component analysis of resting-state fNIRS measurements. NeuroImage, 2010, 51, 1150-1161.	4.2	144
53	Subject order-independent group ICA (SOI-GICA) for functional MRI data analysis. NeuroImage, 2010, 51, 1414-1424.	4.2	50
54	Uncovering Intrinsic Modular Organization of Spontaneous Brain Activity in Humans. PLoS ONE, 2009, 4, e5226.	2.5	578

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55	Abnormal resting-state functional connectivity patterns of the putamen in medication-naïve children with attention deficit hyperactivity disorder. <i>Brain Research</i> , 2009, 1303, 195-206.	2.2	184
56	Altered small-world brain functional networks in children with attention-deficit/hyperactivity disorder. <i>Human Brain Mapping</i> , 2009, 30, 638-649.	3.6	431
57	Parcellation-dependent small-world brain functional networks: A resting-state fMRI study. <i>Human Brain Mapping</i> , 2009, 30, 1511-1523.	3.6	585
58	A longitudinal diffusion tensor imaging study on Wallerian degeneration of corticospinal tract after motor pathway stroke. <i>NeuroImage</i> , 2009, 47, 451-458.	4.2	203
59	Hemispheric asymmetry in cognitive division of anterior cingulate cortex: A resting-state functional connectivity study. <i>NeuroImage</i> , 2009, 47, 1579-1589.	4.2	76
60	An improved approach to detection of amplitude of low-frequency fluctuation (ALFF) for resting-state fMRI: Fractional ALFF. <i>Journal of Neuroscience Methods</i> , 2008, 172, 137-141.	2.5	1,617
61	Alerting deficits in children with attention deficit/hyperactivity disorder: Event-related fMRI evidence. <i>Brain Research</i> , 2008, 1219, 159-168.	2.2	72
62	Fisher discriminative analysis of resting-state brain function for attention-deficit/hyperactivity disorder. <i>NeuroImage</i> , 2008, 40, 110-120.	4.2	217
63	Correlations in spontaneous activity and gray matter density between left and right sensorimotor areas of pianists. <i>NeuroReport</i> , 2008, 19, 631-634.	1.2	13
64	Altered baseline brain activity in children with ADHD revealed by resting-state functional MRI. <i>Brain and Development</i> , 2007, 29, 83-91.	1.1	2,118
65	Side and handedness effects on the cingulum from diffusion tensor imaging. <i>NeuroReport</i> , 2005, 16, 1701-1705.	1.2	48
66	Asymmetry analysis of cingulum based on scale-invariant parameterization by diffusion tensor imaging. <i>Human Brain Mapping</i> , 2005, 24, 92-98.	3.6	140
67	Advances on Medical Imaging and Computing. <i>Lecture Notes in Computer Science</i> , 2005, , 13-23.	1.3	0
68	Multicontext fuzzy clustering for separation of brain tissues in magnetic resonance images. <i>NeuroImage</i> , 2003, 18, 685-696.	4.2	77