

Chao-Gan Yan

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

17,762
citations

87723

38
h-index

64668

79
g-index

98
all docs

98
docs citations

98
times ranked

15064
citing authors

#	ARTICLE	IF	CITATIONS
1	DPARSF: a MATLAB toolbox for pipeline data analysis of resting-state fMRI. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 13.	1.2	2,558
2	DPABI: Data Processing & Analysis for (Resting-State) Brain Imaging. <i>Neuroinformatics</i> , 2016, 14, 339-351.	1.5	2,538
3	The autism brain imaging data exchange: towards a large-scale evaluation of the intrinsic brain architecture in autism. <i>Molecular Psychiatry</i> , 2014, 19, 659-667.	4.1	1,882
4	REST: A Toolkit for Resting-State Functional Magnetic Resonance Imaging Data Processing. <i>PLoS ONE</i> , 2011, 6, e25031.	1.1	1,710
5	A comprehensive assessment of regional variation in the impact of head micromovements on functional connectomics. <i>NeuroImage</i> , 2013, 76, 183-201.	2.1	1,331
6	The NKI-Rockland Sample: A Model for Accelerating the Pace of Discovery Science in Psychiatry. <i>Frontiers in Neuroscience</i> , 2012, 6, 152.	1.4	667
7	Uncovering Intrinsic Modular Organization of Spontaneous Brain Activity in Humans. <i>PLoS ONE</i> , 2009, 4, e5226.	1.1	578
8	Reduced default mode network functional connectivity in patients with recurrent major depressive disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9078-9083.	3.3	441
9	Imaging human connectomes at the macroscale. <i>Nature Methods</i> , 2013, 10, 524-539.	9.0	384
10	Standardizing the intrinsic brain: Towards robust measurement of inter-individual variation in 1000 functional connectomes. <i>NeuroImage</i> , 2013, 80, 246-262.	2.1	382
11	Hemisphere- and gender-related differences in small-world brain networks: A resting-state functional MRI study. <i>NeuroImage</i> , 2011, 54, 191-202.	2.1	332
12	Spontaneous Brain Activity in the Default Mode Network Is Sensitive to Different Resting-State Conditions with Limited Cognitive Load. <i>PLoS ONE</i> , 2009, 4, e5743.	1.1	290
13	Rumination and the default mode network: Meta-analysis of brain imaging studies and implications for depression. <i>NeuroImage</i> , 2020, 206, 116287.	2.1	280
14	Identifying and Mapping Connectivity Patterns of Brain Network Hubs in Alzheimer's Disease. <i>Cerebral Cortex</i> , 2015, 25, 3723-3742.	1.6	270
15	Discriminative analysis of early Alzheimer's disease using multi-modal imaging and multi-level characterization with multi-classifier (M3). <i>NeuroImage</i> , 2012, 59, 2187-2195.	2.1	262
16	Reproducibility of Resting-State fMRI metrics on the impact of different strategies for multiple comparison correction and sample sizes. <i>Human Brain Mapping</i> , 2018, 39, 300-318.	1.9	257
17	Spatiotemporal structure of intracranial electric fields induced by transcranial electric stimulation in humans and nonhuman primates. <i>Scientific Reports</i> , 2016, 6, 31236.	1.6	256
18	Spatial patterns of intrinsic brain activity in mild cognitive impairment and alzheimer's disease: A resting-state functional MRI study. <i>Human Brain Mapping</i> , 2011, 32, 1720-1740.	1.9	254

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19	Sex- and Brain Size-Related Small-World Structural Cortical Networks in Young Adults: A DTI Tractography Study. <i>Cerebral Cortex</i> , 2011, 21, 449-458.	1.6	231
20	Fisher discriminative analysis of resting-state brain function for attention-deficit/hyperactivity disorder. <i>NeuroImage</i> , 2008, 40, 110-120.	2.1	217
21	Addressing head motion dependencies for small-world topologies in functional connectomics. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 910.	1.0	165
22	Effects of Different Correlation Metrics and Preprocessing Factors on Small-World Brain Functional Networks: A Resting-State Functional MRI Study. <i>PLoS ONE</i> , 2012, 7, e32766.	1.1	163
23	RESTplus: an improved toolkit for resting-state functional magnetic resonance imaging data processing. <i>Science Bulletin</i> , 2019, 64, 953-954.	4.3	156
24	Functional connectivity between the thalamus and visual cortex under eyes closed and eyes open conditions: A resting-state fMRI study. <i>Human Brain Mapping</i> , 2009, 30, 3066-3078.	1.9	140
25	Granger causality analysis implementation on MATLAB: A graphic user interface toolkit for fMRI data processing. <i>Journal of Neuroscience Methods</i> , 2012, 203, 418-426.	1.3	139
26	Abnormal small-world architecture of top-down control networks in obsessive-compulsive disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2011, 36, 23-31.	1.4	123
27	Aging-related changes in the default mode network and its anti-correlated networks: A resting-state fMRI study. <i>Neuroscience Letters</i> , 2011, 504, 62-67.	1.0	113
28	Characterizing dynamic functional connectivity in the resting brain using variable parameter regression and Kalman filtering approaches. <i>NeuroImage</i> , 2011, 56, 1222-1234.	2.1	105
29	Common intrinsic connectivity states among posteromedial cortex subdivisions: Insights from analysis of temporal dynamics. <i>NeuroImage</i> , 2014, 93, 124-137.	2.1	104
30	Concordance among indices of intrinsic brain function: Insights from inter-individual variation and temporal dynamics. <i>Science Bulletin</i> , 2017, 62, 1572-1584.	4.3	92
31	Using coherence to measure regional homogeneity of resting-state fMRI signal. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 24.	1.2	83
32	Disrupted intrinsic functional brain topology in patients with major depressive disorder. <i>Molecular Psychiatry</i> , 2021, 26, 7363-7371.	4.1	82
33	Altered resting-state dynamic functional brain networks in major depressive disorder: Findings from the REST-meta-MDD consortium. <i>NeuroImage: Clinical</i> , 2020, 26, 102163.	1.4	76
34	Short-term test-retest reliability of resting state fMRI metrics in children with and without attention-deficit/hyperactivity disorder. <i>Developmental Cognitive Neuroscience</i> , 2015, 15, 83-93.	1.9	64
35	Aberrant development of intrinsic brain activity in a rat model of caregiver maltreatment of offspring. <i>Translational Psychiatry</i> , 2017, 7, e1005-e1005.	2.4	63
36	Driving and Driven Architectures of Directed Small-World Human Brain Functional Networks. <i>PLoS ONE</i> , 2011, 6, e23460.	1.1	61

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37	Biotypes of major depressive disorder: Neuroimaging evidence from resting-state default mode network patterns. <i>NeuroImage: Clinical</i> , 2020, 28, 102514.	1.4	51
38	Localizing hand motor area using resting-state fMRI: validated with direct cortical stimulation. <i>Acta Neurochirurgica</i> , 2014, 156, 2295-2302.	0.9	50
39	The subsystem mechanism of default mode network underlying rumination: A reproducible neuroimaging study. <i>NeuroImage</i> , 2020, 221, 117185.	2.1	47
40	Spontaneous brain activity in mild cognitive impairment revealed by amplitude of low-frequency fluctuation analysis: a resting-state fMRI study. <i>Radiologia Medica</i> , 2012, 117, 865-871.	4.7	46
41	Differential effects of methylphenidate and atomoxetine on intrinsic brain activity in children with attention deficit hyperactivity disorder. <i>Psychological Medicine</i> , 2016, 46, 3173-3185.	2.7	39
42	Stability of dynamic functional architecture differs between brain networks and states. <i>NeuroImage</i> , 2020, 216, 116230.	2.1	39
43	Decreased functional connectivity between ventral tegmental area and nucleus accumbens in Internet gaming disorder: evidence from resting state functional magnetic resonance imaging. <i>Behavioral and Brain Functions</i> , 2015, 11, 37.	1.4	38
44	Intrinsic brain indices of verbal working memory capacity in children and adolescents. <i>Developmental Cognitive Neuroscience</i> , 2015, 15, 67-82.	1.9	36
45	Aberrant intrinsic functional connectivity in thalamo-cortical networks in major depressive disorder. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 1063-1072.	1.9	36
46	DPABISurf: data processing & analysis for brain imaging on surface. <i>Science Bulletin</i> , 2021, 66, 2453-2455.	4.3	35
47	Altered Intra- and Inter-Regional Synchronization of Superior Temporal Cortex in Deaf People. <i>Cerebral Cortex</i> , 2013, 23, 1988-1996.	1.6	34
48	<sc>Eight-week</sc> antidepressant treatment reduces functional connectivity in <sc>first-episode drug-naïve</sc> patients with major depressive disorder. <i>Human Brain Mapping</i> , 2021, 42, 2593-2605.	1.9	29
49	Altered coupling of default-mode, executive-control and salience networks in Internet gaming disorder. <i>European Psychiatry</i> , 2017, 45, 114-120.	0.1	28
50	Measurement reliability for individual differences in multilayer network dynamics: Cautions and considerations. <i>NeuroImage</i> , 2021, 225, 117489.	2.1	24
51	Disrupted hemispheric connectivity specialization in patients with major depressive disorder: Evidence from the REST-meta-MDD Project. <i>Journal of Affective Disorders</i> , 2021, 284, 217-228.	2.0	23
52	Small P values may not yield robust findings: an example using REST-meta-PD. <i>Science Bulletin</i> , 2021, 66, 2148-2152.	4.3	21
53	5-HTTLPR Polymorphism Impacts Task-Evoked and Resting-State Activities of the Amygdala in Han Chinese. <i>PLoS ONE</i> , 2012, 7, e36513.	1.1	21
54	Altered intrinsic functional brain architecture in female patients with bulimia nervosa. <i>Journal of Psychiatry and Neuroscience</i> , 2017, 42, 414-423.	1.4	20

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55	Reduced nucleus accumbens functional connectivity in reward network and default mode network in patients with recurrent major depressive disorder. <i>Translational Psychiatry</i> , 2022, 12, .	2.4	20
56	Identifying topological motif patterns of human brain functional networks. <i>Human Brain Mapping</i> , 2017, 38, 2734-2750.	1.9	19
57	Aberrant triple-network connectivity patterns discriminate biotypes of first-episode medication-naive schizophrenia in two large independent cohorts. <i>Neuropsychopharmacology</i> , 2021, 46, 1502-1509.	2.8	19
58	The DIRECT consortium and the REST-meta-MDD project: towards neuroimaging biomarkers of major depressive disorder. <i>Psychoradiology</i> , 2022, 2, 32-42.	1.0	19
59	Low-frequency fluctuation in continuous real-time feedback of finger force: a new paradigm for sustained attention. <i>Neuroscience Bulletin</i> , 2012, 28, 456-467.	1.5	18
60	Aberrant Temporal Connectivity in Persons at Clinical High Risk for Psychosis. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 696-705.	1.1	18
61	Brain structural alterations in MDD patients with gastrointestinal symptoms: Evidence from the REST-meta-MDD project. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 111, 110386.	2.5	18
62	Local-to-remote cortical connectivity in amnesic mild cognitive impairment. <i>Neurobiology of Aging</i> , 2017, 56, 138-149.	1.5	17
63	Centering inclusivity in the design of online conferences—An OHBM—Open Science perspective. <i>GigaScience</i> , 2021, 10, .	3.3	14
64	Atypicalities in the developmental trajectory of cortico-striatal functional connectivity in autism spectrum disorder. <i>Autism</i> , 2022, 26, 1108-1122.	2.4	12
65	Hypostability in the default mode network and hyperstability in the frontoparietal control network of dynamic functional architecture during rumination. <i>NeuroImage</i> , 2021, 241, 118427.	2.1	12
66	Dorsal anterior cingulate cortex in typically developing children: Laterality analysis. <i>Developmental Cognitive Neuroscience</i> , 2015, 15, 117-129.	1.9	11
67	Meditation effect in changing functional integrations across large-scale brain networks: Preliminary evidence from a meta-analysis of seed-based functional connectivity. <i>Journal of Pacific Rim Psychology</i> , 2020, 14, e10.	1.0	11
68	Editorial: Brain and Somatization Symptoms in Psychiatric Disorders. <i>Frontiers in Psychiatry</i> , 2019, 10, 146.	1.3	10
69	Striatal Functional Connectivity Alterations After Two-Week Antidepressant Treatment Associated to Enduring Clinical Improvement in Major Depressive Disorder. <i>Frontiers in Psychiatry</i> , 2019, 10, 884.	1.3	10
70	Brain structural abnormalities in adult major depressive disorder revealed by voxel- and source-based morphometry: evidence from the REST-meta-MDD Consortium. <i>Psychological Medicine</i> , 2023, 53, 3672-3682.	2.7	10
71	Impaired robust interhemispheric function integration of depressive brain from REST—meta—MDD database in China. <i>Bipolar Disorders</i> , 2022, 24, 400-411.	1.1	8
72	Effects of Apolipoprotein E Genotype on the Off-Line Memory Consolidation. <i>PLoS ONE</i> , 2012, 7, e51617.	1.1	5

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73	Total Salvianolic Acid Balances Brain Functional Network Topology in Rat Hippocampi Overexpressing miR-30e. <i>Frontiers in Neuroscience</i> , 2018, 12, 448.	1.4	5
74	Exploring self-generated thoughts in a resting state with natural language processing. <i>Behavior Research Methods</i> , 2022, 54, 1725-1743.	2.3	5
75	Physiological significance of R-fMRI indices: Can functional metrics differentiate structural lesions (brain tumors)?. <i>NeuroImage: Clinical</i> , 2019, 22, 101741.	1.4	4
76	Influence of More Than 5 Years of Continuous Exposure to Antipsychotics on Cerebral Functional Connectivity of Chronic Schizophrenia. <i>Canadian Journal of Psychiatry</i> , 2020, 65, 463-472.	0.9	4
77	Frequency-specific age-related changes in the amplitude of spontaneous fluctuations in autism. <i>Translational Pediatrics</i> , 2022, 11, 349-358.	0.5	2
78	PRN: a preprint service for catalyzing R-fMRI and neuroscience related studies. <i>F1000Research</i> , 2014, 3, 313.	0.8	1
79	PRN: a preprint service for catalyzing R-fMRI and neuroscience related studies. <i>F1000Research</i> , 2014, 3, 313.	0.8	1
80	The contributions of brain structural and functional variance in predicting age, sex and treatment. <i>NeuroImage Reports</i> , 2021, 1, 100024.	0.5	0