

# Chao-Gan Yan

## List of Publications by Year in descending order

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80  
papers

17,762  
citations

87888

38  
h-index

64796

79  
g-index

98  
all docs

98  
docs citations

98  
times ranked

15064  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.5	10
2	Atypicalities in the developmental trajectory of cortico-striatal functional connectivity in autism spectrum disorder. <i>Autism</i> , 2022, 26, 1108-1122.	4.1	12
3	Impaired robust interhemispheric function integration of depressive brain from REST-meta-MDD database in China. <i>Bipolar Disorders</i> , 2022, 24, 400-411.	1.9	8
4	Exploring self-generated thoughts in a resting state with natural language processing. <i>Behavior Research Methods</i> , 2022, 54, 1725-1743.	4.0	5
5	Frequency-specific age-related changes in the amplitude of spontaneous fluctuations in autism. <i>Translational Pediatrics</i> , 2022, 11, 349-358.	1.2	2
6	The DIRECT consortium and the REST-meta-MDD project: towards neuroimaging biomarkers of major depressive disorder. <i>Psychoradiology</i> , 2022, 2, 32-42.	2.3	19
7	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, .	4.8	20
8	Measurement reliability for individual differences in multilayer network dynamics: Cautions and considerations. <i>NeuroImage</i> , 2021, 225, 117489.	4.2	24
9	Aberrant triple-network connectivity patterns discriminate biotypes of first-episode medication-naïve schizophrenia in two large independent cohorts. <i>Neuropsychopharmacology</i> , 2021, 46, 1502-1509.	5.4	19
10	Eight-week antidepressant treatment reduces functional connectivity in first-episode drug-naïve patients with major depressive disorder. <i>Human Brain Mapping</i> , 2021, 42, 2593-2605.	3.6	29
11	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.	4.1	23
12	The contributions of brain structural and functional variance in predicting age, sex and treatment. <i>NeuroImage Reports</i> , 2021, 1, 100024.	1.0	0
13	Centering inclusivity in the design of online conferences—An OHBM—Open Science perspective. <i>GigaScience</i> , 2021, 10, .	6.4	14
14	Disrupted intrinsic functional brain topology in patients with major depressive disorder. <i>Molecular Psychiatry</i> , 2021, 26, 7363-7371.	7.9	82
15	DPABISurf: data processing & analysis for brain imaging on surface. <i>Science Bulletin</i> , 2021, 66, 2453-2455.	9.0	35
16	Small P values may not yield robust findings: an example using REST-meta-PD. <i>Science Bulletin</i> , 2021, 66, 2148-2152.	9.0	21
17	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.	4.2	12
18	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.	4.8	18

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19	Stability of dynamic functional architecture differs between brain networks and states. <i>NeuroImage</i> , 2020, 216, 116230.	4.2	39
20	Rumination and the default mode network: Meta-analysis of brain imaging studies and implications for depression. <i>NeuroImage</i> , 2020, 206, 116287.	4.2	280
21	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.	2.7	76
22	Biotypes of major depressive disorder: Neuroimaging evidence from resting-state default mode network patterns. <i>NeuroImage: Clinical</i> , 2020, 28, 102514.	2.7	51
23	The subsystem mechanism of default mode network underlying rumination: A reproducible neuroimaging study. <i>NeuroImage</i> , 2020, 221, 117185.	4.2	47
24	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.	1.7	11
25	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.	1.9	4
26	RESTplus: an improved toolkit for resting-state functional magnetic resonance imaging data processing. <i>Science Bulletin</i> , 2019, 64, 953-954.	9.0	156
27	Physiological significance of R-fMRI indices: Can functional metrics differentiate structural lesions (brain tumors)?. <i>NeuroImage: Clinical</i> , 2019, 22, 101741.	2.7	4
28	Editorial: Brain and Somatization Symptoms in Psychiatric Disorders. <i>Frontiers in Psychiatry</i> , 2019, 10, 146.	2.6	10
29	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.	7.1	441
30	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.	2.6	10
31	Aberrant intrinsic functional connectivity in thalamo-cortical networks in major depressive disorder. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 1063-1072.	3.9	36
32	Reproducibility of R-fMRI metrics on the impact of different strategies for multiple comparison correction and sample sizes. <i>Human Brain Mapping</i> , 2018, 39, 300-318.	3.6	257
33	Total Salvianolic Acid Balances Brain Functional Network Topology in Rat Hippocampi Overexpressing miR-30e. <i>Frontiers in Neuroscience</i> , 2018, 12, 448.	2.8	5
34	Aberrant development of intrinsic brain activity in a rat model of caregiver maltreatment of offspring. <i>Translational Psychiatry</i> , 2017, 7, e1005-e1005.	4.8	63
35	Aberrant Temporal Connectivity in Persons at Clinical High Risk for Psychosis. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 696-705.	1.5	18
36	Identifying topological motif patterns of human brain functional networks. <i>Human Brain Mapping</i> , 2017, 38, 2734-2750.	3.6	19

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37	Local-to-remote cortical connectivity in amnesic mild cognitive impairment. <i>Neurobiology of Aging</i> , 2017, 56, 138-149.	3.1	17
38	Concordance among indices of intrinsic brain function: Insights from inter-individual variation and temporal dynamics. <i>Science Bulletin</i> , 2017, 62, 1572-1584.	9.0	92
39	Altered coupling of default-mode, executive-control and salience networks in Internet gaming disorder. <i>European Psychiatry</i> , 2017, 45, 114-120.	0.2	28
40	Altered intrinsic functional brain architecture in female patients with bulimia nervosa. <i>Journal of Psychiatry and Neuroscience</i> , 2017, 42, 414-423.	2.4	20
41	DPABI: Data Processing & Analysis for (Resting-State) Brain Imaging. <i>Neuroinformatics</i> , 2016, 14, 339-351.	2.8	2,538
42	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.	4.5	39
43	Spatiotemporal structure of intracranial electric fields induced by transcranial electric stimulation in humans and nonhuman primates. <i>Scientific Reports</i> , 2016, 6, 31236.	3.3	256
44	Dorsal anterior cingulate cortex in typically developing children: Laterality analysis. <i>Developmental Cognitive Neuroscience</i> , 2015, 15, 117-129.	4.0	11
45	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.	3.3	38
46	Identifying and Mapping Connectivity Patterns of Brain Network Hubs in Alzheimer's Disease. <i>Cerebral Cortex</i> , 2015, 25, 3723-3742.	2.9	270
47	Intrinsic brain indices of verbal working memory capacity in children and adolescents. <i>Developmental Cognitive Neuroscience</i> , 2015, 15, 67-82.	4.0	36
48	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.	4.0	64
49	Common intrinsic connectivity states among posteromedial cortex subdivisions: Insights from analysis of temporal dynamics. <i>NeuroImage</i> , 2014, 93, 124-137.	4.2	104
50	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.	7.9	1,882
51	Localizing hand motor area using resting-state fMRI: validated with direct cortical stimulation. <i>Acta Neurochirurgica</i> , 2014, 156, 2295-2302.	1.7	50
52	PRN: a preprint service for catalyzing R-fMRI and neuroscience related studies. <i>F1000Research</i> , 2014, 3, 313.	1.6	1
53	PRN: a preprint service for catalyzing R-fMRI and neuroscience related studies. <i>F1000Research</i> , 2014, 3, 313.	1.6	1
54	Imaging human connectomes at the macroscale. <i>Nature Methods</i> , 2013, 10, 524-539.	19.0	384

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55	A comprehensive assessment of regional variation in the impact of head micromovements on functional connectomics. <i>NeuroImage</i> , 2013, 76, 183-201.	4.2	1,331
56	Standardizing the intrinsic brain: Towards robust measurement of inter-individual variation in 1000 functional connectomes. <i>NeuroImage</i> , 2013, 80, 246-262.	4.2	382
57	Altered Intra- and Inter-Regional Synchronization of Superior Temporal Cortex in Deaf People. <i>Cerebral Cortex</i> , 2013, 23, 1988-1996.	2.9	34
58	Addressing head motion dependencies for small-world topologies in functional connectomics. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 910.	2.0	165
59	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.	4.2	262
60	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.	2.9	18
61	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.	2.5	163
62	Effects of Apolipoprotein E Genotype on the Off-Line Memory Consolidation. <i>PLoS ONE</i> , 2012, 7, e51617.	2.5	5
63	The NKI-Rockland Sample: A Model for Accelerating the Pace of Discovery Science in Psychiatry. <i>Frontiers in Neuroscience</i> , 2012, 6, 152.	2.8	667
64	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.	7.7	46
65	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.	2.5	139
66	5-HTTLPR Polymorphism Impacts Task-Evoked and Resting-State Activities of the Amygdala in Han Chinese. <i>PLoS ONE</i> , 2012, 7, e36513.	2.5	21
67	Characterizing dynamic functional connectivity in the resting brain using variable parameter regression and Kalman filtering approaches. <i>NeuroImage</i> , 2011, 56, 1222-1234.	4.2	105
68	Hemisphere- and gender-related differences in small-world brain networks: A resting-state functional MRI study. <i>NeuroImage</i> , 2011, 54, 191-202.	4.2	332
69	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.	2.1	113
70	Abnormal small-world architecture of top-down control networks in obsessive-compulsive disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2011, 36, 23-31.	2.4	123
71	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.	3.6	254
72	REST: A Toolkit for Resting-State Functional Magnetic Resonance Imaging Data Processing. <i>PLoS ONE</i> , 2011, 6, e25031.	2.5	1,710

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73	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.	2.9	231
74	Driving and Driven Architectures of Directed Small-World Human Brain Functional Networks. <i>PLoS ONE</i> , 2011, 6, e23460.	2.5	61
75	DPARF: a MATLAB toolbox for "pipeline" data analysis of resting-state fMRI. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 13.	2.5	2,558
76	Using coherence to measure regional homogeneity of resting-state fMRI signal. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 24.	2.5	83
77	Uncovering Intrinsic Modular Organization of Spontaneous Brain Activity in Humans. <i>PLoS ONE</i> , 2009, 4, e5226.	2.5	578
78	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.	2.5	290
79	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.	3.6	140
80	Fisher discriminative analysis of resting-state brain function for attention-deficit/hyperactivity disorder. <i>NeuroImage</i> , 2008, 40, 110-120.	4.2	217