Chao-Gan Yan

List of Publications by Year
in descending order

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	DPARSF: a MATLAB toolbox for â€œpipelineâ€•data analysis of resting-state fMRI. Frontiers in Systems Neuroscience, 2010, 4, 13.	2.5	2,558
2	DPABI: Data Processing & Analysis for (Resting-State) Brain Imaging. Neuroinformatics, 2016, 14, 339-351.	2.8	2,538
3	The autism brain imaging data exchange: towards a large-scale evaluation of the intrinsic brain architecture in autism. Molecular Psychiatry, 2014, 19, 659-667.	7.9	1,882
4	REST: A Toolkit for Resting-State Functional Magnetic Resonance Imaging Data Processing. PLoS ONE, 2011, 6, e25031.	2.5	1,710
5	A comprehensive assessment of regional variation in the impact of head micromovements on functional connectomics. NeuroImage, 2013, 76, 183-201.	4.2	1,331
6	The NKI-Rockland Sample: A Model for Accelerating the Pace of Discovery Science in Psychiatry. Frontiers in Neuroscience, 2012, 6, 152.	2.8	667
7	Uncovering Intrinsic Modular Organization of Spontaneous Brain Activity in Humans. PLoS ONE, 2009, 4, e5226.	2.5	578
8	Reduced default mode network functional connectivity in patients with recurrent major depressive disorder. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9078-9083.	7.1	441
9	Imaging human connectomes at the macroscale. Nature Methods, 2013, 10, 524-539.	19.0	384
10	Standardizing the intrinsic brain: Towards robust measurement of inter-individual variation in 1000 functional connectomes. NeuroImage, 2013, 80, 246-262.	4.2	382
11	Hemisphere- and gender-related differences in small-world brain networks: A resting-state functional MRI study. NeuroImage, 2011, 54, 191-202.	4.2	332
12	Spontaneous Brain Activity in the Default Mode Network Is Sensitive to Different Resting-State Conditions with Limited Cognitive Load. PLoS ONE, 2009, 4, e5743.	2.5	290
13	Rumination and the default mode network: Meta-analysis of brain imaging studies and implications for depression. NeuroImage, 2020, 206, 116287.	4.2	280
14	Identifying and Mapping Connectivity Patterns of Brain Network Hubs in Alzheimer's Disease. Cerebral Cortex, 2015, 25, 3723-3742.	2.9	270
15	Discriminative analysis of early Alzheimer's disease using multi-modal imaging and multi-level characterization with multi-classifier (M3). NeuroImage, 2012, 59, 2187-2195.	4.2	262
16	Reproducibility of Râ€fMRI metrics on the impact of different strategies for multiple comparison correction and sample sizes. Human Brain Mapping, 2018, 39, 300-318.	3.6	257
17	Spatiotemporal structure of intracranial electric fields induced by transcranial electric stimulation in humans and nonhuman primates. Scientific Reports, 2016, 6, 31236.	3.3	256
18	Spatial patterns of intrinsic brain activity in mild cognitive impairment and alzheimer's disease: A restingâ€state functional MRI study. Human Brain Mapping, 2011, 32, 1720-1740.	3.6	254

#	Article	IF	Citations
19	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
20	Fisher discriminative analysis of resting-state brain function for attention-deficit/hyperactivity disorder. NeuroImage, 2008, 40, 110-120.	4.2	217
21	Addressing head motion dependencies for small-world topologies in functional connectomics. Frontiers in Human Neuroscience, 2013, 7, 910.	2.0	165
22	Effects of Different Correlation Metrics and Preprocessing Factors on Small-World Brain Functional Networks: A Resting-State Functional MRI Study. PLoS ONE, 2012, 7, e32766.	2.5	163
23	RESTplus: an improved toolkit for resting-state functional magnetic resonance imaging data processing. Science Bulletin, 2019, 64, 953-954.	9.0	156
24	Functional connectivity between the thalamus and visual cortex under eyes closed and eyes open conditions: A restingâ€state fMRI study. Human Brain Mapping, 2009, 30, 3066-3078.	3.6	140
25	Granger causality analysis implementation on MATLAB: A graphic user interface toolkit for fMRI data processing. Journal of Neuroscience Methods, 2012, 203, 418-426.	2.5	139
26	Abnormal small-world architecture of topâ€"down control networks in obsessiveâ€"compulsive disorder. Journal of Psychiatry and Neuroscience, 2011, 36, 23-31.	2.4	123
27	Aging-related changes in the default mode network and its anti-correlated networks: A resting-state fMRI study. Neuroscience Letters, 2011, 504, 62-67.	2.1	113
28	Characterizing dynamic functional connectivity in the resting brain using variable parameter regression and Kalman filtering approaches. NeuroImage, 2011, 56, 1222-1234.	4.2	105
29	Common intrinsic connectivity states among posteromedial cortex subdivisions: Insights from analysis of temporal dynamics. NeuroImage, 2014, 93, 124-137.	4.2	104
30	Concordance among indices of intrinsic brain function: Insights from inter-individual variation and temporal dynamics. Science Bulletin, 2017, 62, 1572-1584.	9.0	92
31	Using coherence to measure regional homogeneity of resting-state fMRI signal. Frontiers in Systems Neuroscience, 2010, 4, 24.	2.5	83
32	Disrupted intrinsic functional brain topology in patients with major depressive disorder. Molecular Psychiatry, 2021, 26, 7363-7371.	7.9	82
33	Altered resting-state dynamic functional brain networks in major depressive disorder: Findings from the REST-meta-MDD consortium. NeuroImage: Clinical, 2020, 26, 102163.	2.7	76
34	Short-term testâ€"retest reliability of resting state fMRI metrics in children with and without attention-deficit/hyperactivity disorder. Developmental Cognitive Neuroscience, 2015, 15, 83-93.	4.0	64
35	Aberrant development of intrinsic brain activity in a rat model of caregiver maltreatment of offspring. Translational Psychiatry, 2017, 7, e1005-e1005.	4.8	63
36	Driving and Driven Architectures of Directed Small-World Human Brain Functional Networks. PLoS ONE, 2011, 6, e23460.	2.5	61

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37	Biotypes of major depressive disorder: Neuroimaging evidence from resting-state default mode network patterns. NeuroImage: Clinical, 2020, 28, 102514.	2.7	51
38	Localizing hand motor area using resting-state fMRI: validated with direct cortical stimulation. Acta Neurochirurgica, 2014, 156, 2295-2302.	1.7	50
39	The subsystem mechanism of default mode network underlying rumination: A reproducible neuroimaging study. NeuroImage, 2020, 221, 117185.	4.2	47
40	Spontaneous brain activity in mild cognitive impairment revealed by amplitude of low-frequency fluctuation analysis: a resting-state fMRI study. Radiologia Medica, 2012, 117, 865-871.	7.7	46
41	Differential effects of methylphenidate and atomoxetine on intrinsic brain activity in children with attention deficit hyperactivity disorder. Psychological Medicine, 2016, 46, 3173-3185.	4.5	39
42	Stability of dynamic functional architecture differs between brain networks and states. NeuroImage, 2020, 216, 116230.	4.2	39
43	Decreased functional connectivity between ventral tegmental area and nucleus accumbens in Internet gaming disorder: evidence from resting state functional magnetic resonance imaging. Behavioral and Brain Functions, 2015, 11, 37.	3.3	38
44	Intrinsic brain indices of verbal working memory capacity in children and adolescents. Developmental Cognitive Neuroscience, 2015, 15, 67-82.	4.0	36
45	Aberrant intrinsic functional connectivity in thalamoâ€cortical networks in major depressive disorder. CNS Neuroscience and Therapeutics, 2018, 24, 1063-1072.	3.9	36
46	DPABISurf: data processing & analysis for brain imaging on surface. Science Bulletin, 2021, 66, 2453-2455.	9.0	35
47	Altered Intra- and Inter-Regional Synchronization of Superior Temporal Cortex in Deaf People. Cerebral Cortex, 2013, 23, 1988-1996.	2.9	34
48	<scp>Eightâ€week</scp> antidepressant treatment reduces functional connectivity in <scp>firstâ€episode drugâ€naÃ¯ve</scp> patients with major depressive disorder. Human Brain Mapping, 2021, 42, 2593-2605.	3.6	29
49	Altered coupling of default-mode, executive-control and salience networks in Internet gaming disorder. European Psychiatry, 2017, 45, 114-120.	0.2	28
50	Measurement reliability for individual differences in multilayer network dynamics: Cautions and considerations. NeuroImage, 2021, 225, 117489.	4.2	24
51	Disrupted hemispheric connectivity specialization in patients with major depressive disorder: Evidence from the REST-meta-MDD Project. Journal of Affective Disorders, 2021, 284, 217-228.	4.1	23
52	Small P values may not yield robust findings: an example using REST-meta-PD. Science Bulletin, 2021, 66, 2148-2152.	9.0	21
53	5-HTTLPR Polymorphism Impacts Task-Evoked and Resting-State Activities of the Amygdala in Han Chinese. PLoS ONE, 2012, 7, e36513.	2.5	21
54	Altered intrinsic functional brain architecture in female patients with bulimia nervosa. Journal of Psychiatry and Neuroscience, 2017, 42, 414-423.	2.4	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. Translational Psychiatry, 2022, 12, .	4.8	20
56	Identifying topological motif patterns of human brain functional networks. Human Brain Mapping, 2017, 38, 2734-2750.	3.6	19
57	Aberrant triple-network connectivity patterns discriminate biotypes of first-episode medication-naive schizophrenia in two large independent cohorts. Neuropsychopharmacology, 2021, 46, 1502-1509.	5.4	19
58	The DIRECT consortium and the REST-meta-MDD project: towards neuroimaging biomarkers of major depressive disorder. Psychoradiology, 2022, 2, 32-42.	2.3	19
59	Low-frequency fluctuation in continuous real-time feedback of finger force: a new paradigm for sustained attention. Neuroscience Bulletin, 2012, 28, 456-467.	2.9	18
60	Aberrant Temporal Connectivity in Persons at Clinical High Risk for Psychosis. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 696-705.	1.5	18
61	Brain structural alterations in MDD patients with gastrointestinal symptoms: Evidence from the REST-meta-MDD project. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 111, 110386.	4.8	18
62	Local-to-remote cortical connectivity in amnestic mild cognitive impairment. Neurobiology of Aging, 2017, 56, 138-149.	3.1	17
63	Centering inclusivity in the design of online conferencesâ€"An OHBMâ€"Open Science perspective. GigaScience, 2021, 10, .	6.4	14
64	Atypicalities in the developmental trajectory of cortico-striatal functional connectivity in autism spectrum disorder. Autism, 2022, 26, 1108-1122.	4.1	12
65	Hypostability in the default mode network and hyperstability in the frontoparietal control network of dynamic functional architecture during rumination. NeuroImage, 2021, 241, 118427.	4.2	12
66	Dorsal anterior cingulate cortex in typically developing children: Laterality analysis. Developmental Cognitive Neuroscience, 2015, 15, 117-129.	4.0	11
67	Meditation effect in changing functional integrations across large-scale brain networks: Preliminary evidence from a meta-analysis of seed-based functional connectivity. Journal of Pacific Rim Psychology, 2020, 14, e10.	1.7	11
68	Editorial: Brain and Somatization Symptoms in Psychiatric Disorders. Frontiers in Psychiatry, 2019, 10, 146.	2.6	10
69	Striatal Functional Connectivity Alterations After Two-Week Antidepressant Treatment Associated to Enduring Clinical Improvement in Major Depressive Disorder. Frontiers in Psychiatry, 2019, 10, 884.	2.6	10
70	Brain structural abnormalities in adult major depressive disorder revealed by voxel- and source-based morphometry: evidence from the REST-meta-MDD Consortium. Psychological Medicine, 2023, 53, 3672-3682.	4.5	10
71	Impaired robust interhemispheric function integration of depressive brain from RESTâ€metaâ€MDD database in China. Bipolar Disorders, 2022, 24, 400-411.	1.9	8
72	Effects of Apolipoprotein E Genotype on the Off-Line Memory Consolidation. PLoS ONE, 2012, 7, e51617.	2.5	5

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73	Total Salvianolic Acid Balances Brain Functional Network Topology in Rat Hippocampi Overexpressing miR-30e. Frontiers in Neuroscience, 2018, 12, 448.	2.8	5
74	Exploring self-generated thoughts in a resting state with natural language processing. Behavior Research Methods, 2022, 54, 1725-1743.	4.0	5
75	Physiological significance of R-fMRI indices: Can functional metrics differentiate structural lesions (brain tumors)?. NeuroImage: Clinical, 2019, 22, 101741.	2.7	4
76	Influence of More Than 5 Years of Continuous Exposure to Antipsychotics on Cerebral Functional Connectivity of Chronic Schizophrenia. Canadian Journal of Psychiatry, 2020, 65, 463-472.	1.9	4
77	Frequency-specific age-related changes in the amplitude of spontaneous fluctuations in autism. Translational Pediatrics, 2022, 11, 349-358.	1.2	2
78	PRN: a preprint service for catalyzing R-fMRI and neuroscience related studies. F1000Research, 2014, 3, 313.	1.6	1
79	PRN: a preprint service for catalyzing R-fMRI and neuroscience related studies. F1000Research, 2014, 3, 313.	1.6	1
80	The contributions of brain structural and functional variance in predicting age, sex and treatment. NeuroImage Reports, 2021, 1, 100024.	1.0	0