

Mingrui Xia

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

8,356
citations

125106

35
h-index

124990

64
g-index

80
all docs

80
docs citations

80
times ranked

11420
citing authors

#	ARTICLE	IF	CITATIONS
1	Progressive Stabilization of Brain Network Dynamics during Childhood and Adolescence. <i>Cerebral Cortex</i> , 2022, 32, 1024-1039.	1.6	14
2	Development of functional connectome gradients during childhood and adolescence. <i>Science Bulletin</i> , 2022, 67, 1049-1061.	4.3	39
3	Connectome gradient dysfunction in major depression and its association with gene expression profiles and treatment outcomes. <i>Molecular Psychiatry</i> , 2022, 27, 1384-1393.	4.1	65
4	Altered topological properties of the intrinsic functional brain network in patients with right-sided unilateral hearing loss caused by acoustic neuroma. <i>Brain Imaging and Behavior</i> , 2022, 16, 1873-1883.	1.1	4
5	Alterations in Connectome Dynamics in Autism Spectrum Disorder: A Harmonized Mega- and Meta-analysis Study Using the Autism Brain Imaging Data Exchange Dataset. <i>Biological Psychiatry</i> , 2022, 91, 945-955.	0.7	27
6	A deep learning-based multisite neuroimage harmonization framework established with a traveling-subject dataset. <i>NeuroImage</i> , 2022, 257, 119297.	2.1	22
7	Structural insight into the individual variability architecture of the functional brain connectome. <i>NeuroImage</i> , 2022, 259, 119387.	2.1	12
8	Disrupted Intersubject Variability Architecture in Functional Connectomes in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2021, 47, 837-848.	2.3	25
9	The effects of cognitive behavioral therapy on the whole brain structural connectome in unmedicated patients with obsessive-compulsive disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 104, 110037.	2.5	15
10	Development of the default-mode network during childhood and adolescence: A longitudinal resting-state fMRI study. <i>NeuroImage</i> , 2021, 226, 117581.	2.1	74
11	Characteristics of Intrinsic Brain Functional Connectivity Alterations in Major Depressive Disorder Patients With Suicide Behavior. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1867-1875.	1.9	18
12	Transdiagnostic Dysfunctions in Brain Modules Across Patients with Schizophrenia, Bipolar Disorder, and Major Depressive Disorder: A Connectome-Based Study. <i>Schizophrenia Bulletin</i> , 2020, 46, 699-712.	2.3	78
13	The spatial organization of the chronnectome associates with cortical hierarchy and transcriptional profiles in the human brain. <i>NeuroImage</i> , 2020, 222, 117296.	2.1	29
14	Long-term Chinese calligraphic handwriting training has a positive effect on brain network efficiency. <i>PLoS ONE</i> , 2019, 14, e0210962.	1.1	4
15	Long-term Chinese calligraphic handwriting reshapes the posterior cingulate cortex: A VBM study. <i>PLoS ONE</i> , 2019, 14, e0214917.	1.1	10
16	Reproducibility of functional brain alterations in major depressive disorder: Evidence from a multisite resting-state functional MRI study with 1,434 individuals. <i>NeuroImage</i> , 2019, 189, 700-714.	2.1	72
17	Development and Emergence of Individual Variability in the Functional Connectivity Architecture of the Preterm Human Brain. <i>Cerebral Cortex</i> , 2019, 29, 4208-4222.	1.6	44
18	Dynamic changes of functional segregation and integration in vulnerability and resilience to schizophrenia. <i>Human Brain Mapping</i> , 2019, 40, 2200-2211.	1.9	21

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19	Network analysis reveals disrupted functional brain circuitry in drug-naive social anxiety disorder. <i>NeuroImage</i> , 2019, 190, 213-223.	2.1	78
20	Shared and Distinct Functional Architectures of Brain Networks Across Psychiatric Disorders. <i>Schizophrenia Bulletin</i> , 2019, 45, 450-463.	2.3	73
21	The relationship between voxel-based metrics of resting state functional connectivity and cognitive performance in cognitively healthy elderly adults. <i>Brain Imaging and Behavior</i> , 2018, 12, 1742-1758.	1.1	4
22	Meta-Connectomic Analysis Reveals Commonly Disrupted Functional Architectures in Network Modules and Connectors across Brain Disorders. <i>Cerebral Cortex</i> , 2018, 28, 4179-4194.	1.6	61
23	PAGANI Toolkit: Parallel graph-theoretical analysis package for brain network big data. <i>Human Brain Mapping</i> , 2018, 39, 1869-1885.	1.9	12
24	Differentially categorized structural brain hubs are involved in different microstructural, functional, and cognitive characteristics and contribute to individual identification. <i>Human Brain Mapping</i> , 2018, 39, 1647-1663.	1.9	15
25	Chronnectome fingerprinting: Identifying individuals and predicting higher cognitive functions using dynamic brain connectivity patterns. <i>Human Brain Mapping</i> , 2018, 39, 902-915.	1.9	164
26	Abnormal dynamic functional connectivity of amygdalar subregions in untreated patients with first-episode major depressive disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2018, 43, 262-272.	1.4	42
27	P1423: THE EFFECTS OF APOE EPSILON4 ALLELES ON COGNITIVE FUNCTION AND RESTING STATE FUNCTIONAL MRI IN PATIENTS WITH AMNESTIC MILD COGNITIVE IMPAIRMENT: A PROSPECTIVE COHORT STUDY. <i>Alzheimer's and Dementia</i> , 2018, 14, P467.	0.4	0
28	A shared effect of paroxetine treatment on gray matter volume in depressive patients with and without childhood maltreatment: A voxel-based morphometry study. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 1073-1083.	1.9	21
29	Reorganization of cerebro-cerebellar circuit in patients with left hemispheric gliomas involving language network: A combined structural and resting-state functional MRI study. <i>Human Brain Mapping</i> , 2018, 39, 4802-4819.	1.9	51
30	Altered Functional Connectivity of Insular Subregions in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 107.	1.7	56
31	Intrinsic Brain Hub Connectivity Underlies Individual Differences in Spatial Working Memory. <i>Cerebral Cortex</i> , 2017, 27, 5496-5508.	1.6	66
32	Individual differences and time-varying features of modular brain architecture. <i>NeuroImage</i> , 2017, 152, 94-107.	2.1	87
33	Identifying topological motif patterns of human brain functional networks. <i>Human Brain Mapping</i> , 2017, 38, 2734-2750.	1.9	19
34	Functional connectomics from a "big data" perspective. <i>NeuroImage</i> , 2017, 160, 152-167.	2.1	77
35	Graph theoretical analysis of functional network for comprehension of sign language. <i>Brain Research</i> , 2017, 1671, 55-66.	1.1	10
36	[P3391]: VOXEL-BASED GRAPH THEORETICAL ANALYSIS OF FUNCTIONAL BRAIN NETWORKS IN PATIENTS WITH BEHAVIORAL VARIANT FRONTOTEMPORAL DEMENTIA. <i>Alzheimer's and Dementia</i> , 2017, 13, P1111.	0.4	0

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37	Abnormal global functional network connectivity and its relationship to medial temporal atrophy in patients with amnesic mild cognitive impairment. <i>PLoS ONE</i> , 2017, 12, e0179823.	1.1	13
38	Abnormal Resting-State Functional Connectivity Strength in Mild Cognitive Impairment and Its Conversion to Alzheimer's Disease. <i>Neural Plasticity</i> , 2016, 2016, 1-12.	1.0	69
39	Interaction Effects of BDNF and COMT Genes on Resting-State Brain Activity and Working Memory. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 540.	1.0	13
40	Connectomic Insights into Topologically Centralized Network Edges and Relevant Motifs in the Human Brain. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 158.	1.0	6
41	Disrupted topological organization of structural and functional brain connectomes in clinically isolated syndrome and multiple sclerosis. <i>Scientific Reports</i> , 2016, 6, 29383.	1.6	65
42	Regional homogeneity changes in amnesic mild cognitive impairment patients. <i>Neuroscience Letters</i> , 2016, 629, 1-8.	1.0	35
43	Frequency-dependent changes in amplitude of low-frequency oscillations in depression: A resting-state fMRI study. <i>Neuroscience Letters</i> , 2016, 614, 105-111.	1.0	81
44	A connectivity-based test-retest dataset of multi-modal magnetic resonance imaging in young healthy adults. <i>Scientific Data</i> , 2015, 2, 150056.	2.4	51
45	Test-Retest Reliability of Graph Metrics in High-resolution Functional Connectomics: A Resting-State Functional MRI Study. <i>CNS Neuroscience and Therapeutics</i> , 2015, 21, 802-816.	1.9	41
46	GRETNA: a graph theoretical network analysis toolbox for imaging connectomics. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 386.	1.0	758
47	Spontaneous functional network dynamics and associated structural substrates in the human brain. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 478.	1.0	58
48	Identifying and Mapping Connectivity Patterns of Brain Network Hubs in Alzheimer's Disease. <i>Cerebral Cortex</i> , 2015, 25, 3723-3742.	1.6	270
49	The effects of antidepressant treatment on resting-state functional brain networks in patients with major depressive disorder. <i>Human Brain Mapping</i> , 2015, 36, 768-778.	1.9	154
50	Differentially disrupted functional connectivity of the subregions of the inferior parietal lobule in Alzheimer's disease. <i>Brain Structure and Function</i> , 2015, 220, 745-762.	1.2	63
51	Regional Homogeneity of Resting-State Brain Activity Suppresses the Effect of Dopamine-Related Genes on Sensory Processing Sensitivity. <i>PLoS ONE</i> , 2015, 10, e0133143.	1.1	18
52	Overlapping and segregated resting-state functional connectivity in patients with major depressive disorder with and without childhood neglect. <i>Human Brain Mapping</i> , 2014, 35, 1154-1166.	1.9	206
53	Disrupted resting-state functional connectivity in minimally treated chronic schizophrenia. <i>Schizophrenia Research</i> , 2014, 156, 150-156.	1.1	81
54	Differentially Disrupted Functional Connectivity in Posteromedial Cortical Subregions in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 39, 527-543.	1.2	26

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55	Topological organization of the human brain functional connectome across the lifespan. <i>Developmental Cognitive Neuroscience</i> , 2014, 7, 76-93.	1.9	380
56	P1-248: DECREASED RESTING-STATE FUNCTIONAL CONNECTIVITY STRENGTH IN AMNESTIC MCI-TO-AD CONVERTERS AND NON-CONVERTERS. , 2014, 10, P397-P397.		0
57	Functional brain hubs and their testâ€“retest reliability: A multiband resting-state functional MRI study. <i>NeuroImage</i> , 2013, 83, 969-982.	2.1	176
58	Disrupted Functional Brain Connectome in Individuals at Risk for Alzheimer's Disease. <i>Biological Psychiatry</i> , 2013, 73, 472-481.	0.7	378
59	Probabilistic Diffusion Tractography and Graph Theory Analysis Reveal Abnormal White Matter Structural Connectivity Networks in Drug-Naive Boys with Attention Deficit/Hyperactivity Disorder. <i>Journal of Neuroscience</i> , 2013, 33, 10676-10687.	1.7	184
60	A Hybrid CPU-GPU Accelerated Framework for Fast Mapping of High-Resolution Human Brain Connectome. <i>PLoS ONE</i> , 2013, 8, e62789.	1.1	22
61	BrainNet Viewer: A Network Visualization Tool for Human Brain Connectomics. <i>PLoS ONE</i> , 2013, 8, e68910.	1.1	3,003
62	Topologically Convergent and Divergent Structural Connectivity Patterns between Patients with Remitted Geriatric Depression and Amnesic Mild Cognitive Impairment. <i>Journal of Neuroscience</i> , 2012, 32, 4307-4318.	1.7	282
63	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
64	Altered Topological Organization of White Matter Structural Networks in Patients with Neuromyelitis Optica. <i>PLoS ONE</i> , 2012, 7, e48846.	1.1	37
65	Age-related changes in the surface morphology of the central sulcus. <i>NeuroImage</i> , 2011, 58, 381-390.	2.1	24
66	Magnetic Resonance Imaging and Graph Theoretical Analysis of Complex Brain Networks in Neuropsychiatric Disorders. <i>Brain Connectivity</i> , 2011, 1, 349-365.	0.8	88
67	Evaluation of the robustness of BrainVISA software on brain sulcus extraction. , 2010, , .		0