

Mingrui Xia

List of Publications by Year in descending order

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67
papers

8,356
citations

109264

35
h-index

110317

64
g-index

80
all docs

80
docs citations

80
times ranked

10158
citing authors

#	ARTICLE	IF	CITATIONS
1	BrainNet Viewer: A Network Visualization Tool for Human Brain Connectomics. PLoS ONE, 2013, 8, e68910.	1.1	3,003
2	GRETNA: a graph theoretical network analysis toolbox for imaging connectomics. Frontiers in Human Neuroscience, 2015, 9, 386.	1.0	758
3	Topological organization of the human brain functional connectome across the lifespan. Developmental Cognitive Neuroscience, 2014, 7, 76-93.	1.9	380
4	Disrupted Functional Brain Connectome in Individuals at Risk for Alzheimer's Disease. Biological Psychiatry, 2013, 73, 472-481.	0.7	378
5	Topologically Convergent and Divergent Structural Connectivity Patterns between Patients with Remitted Geriatric Depression and Amnesic Mild Cognitive Impairment. Journal of Neuroscience, 2012, 32, 4307-4318.	1.7	282
6	Identifying and Mapping Connectivity Patterns of Brain Network Hubs in Alzheimer's Disease. Cerebral Cortex, 2015, 25, 3723-3742.	1.6	270
7	Discriminative analysis of early Alzheimer's disease using multi-modal imaging and multi-level characterization with multi-classifier (M3). NeuroImage, 2012, 59, 2187-2195.	2.1	262
8	Overlapping and segregated resting-state functional connectivity in patients with major depressive disorder with and without childhood neglect. Human Brain Mapping, 2014, 35, 1154-1166.	1.9	206
9	Probabilistic Diffusion Tractography and Graph Theory Analysis Reveal Abnormal White Matter Structural Connectivity Networks in Drug-Naive Boys with Attention Deficit/Hyperactivity Disorder. Journal of Neuroscience, 2013, 33, 10676-10687.	1.7	184
10	Functional brain hubs and their test-retest reliability: A multiband resting-state functional MRI study. NeuroImage, 2013, 83, 969-982.	2.1	176
11	Chronnectome fingerprinting: Identifying individuals and predicting higher cognitive functions using dynamic brain connectivity patterns. Human Brain Mapping, 2018, 39, 902-915.	1.9	164
12	The effects of antidepressant treatment on resting-state functional brain networks in patients with major depressive disorder. Human Brain Mapping, 2015, 36, 768-778.	1.9	154
13	Magnetic Resonance Imaging and Graph Theoretical Analysis of Complex Brain Networks in Neuropsychiatric Disorders. Brain Connectivity, 2011, 1, 349-365.	0.8	88
14	Individual differences and time-varying features of modular brain architecture. NeuroImage, 2017, 152, 94-107.	2.1	87
15	Disrupted resting-state functional connectivity in minimally treated chronic schizophrenia. Schizophrenia Research, 2014, 156, 150-156.	1.1	81
16	Frequency-dependent changes in amplitude of low-frequency oscillations in depression: A resting-state fMRI study. Neuroscience Letters, 2016, 614, 105-111.	1.0	81
17	Network analysis reveals disrupted functional brain circuitry in drug-naive social anxiety disorder. NeuroImage, 2019, 190, 213-223.	2.1	78
18	Transdiagnostic Dysfunctions in Brain Modules Across Patients with Schizophrenia, Bipolar Disorder, and Major Depressive Disorder: A Connectome-Based Study. Schizophrenia Bulletin, 2020, 46, 699-712.	2.3	78

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19	Functional connectomics from a "big data" perspective. <i>NeuroImage</i> , 2017, 160, 152-167.	2.1	77
20	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
21	Shared and Distinct Functional Architectures of Brain Networks Across Psychiatric Disorders. <i>Schizophrenia Bulletin</i> , 2019, 45, 450-463.	2.3	73
22	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
23	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
24	Intrinsic Brain Hub Connectivity Underlies Individual Differences in Spatial Working Memory. <i>Cerebral Cortex</i> , 2017, 27, 5496-5508.	1.6	66
25	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
26	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
27	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
28	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
29	Spontaneous functional network dynamics and associated structural substrates in the human brain. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 478.	1.0	58
30	Altered Functional Connectivity of Insular Subregions in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 107.	1.7	56
31	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
32	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
33	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
34	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
35	Test-Retest Reliability of Graph Metrics in High-resolution Functional Connectomics: A Resting-State Functional <sc>MRI</sc> Study. <i>CNS Neuroscience and Therapeutics</i> , 2015, 21, 802-816.	1.9	41
36	Development of functional connectome gradients during childhood and adolescence. <i>Science Bulletin</i> , 2022, 67, 1049-1061.	4.3	39

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37	Altered Topological Organization of White Matter Structural Networks in Patients with Neuromyelitis Optica. <i>PLoS ONE</i> , 2012, 7, e48846.	1.1	37
38	Regional homogeneity changes in amnesic mild cognitive impairment patients. <i>Neuroscience Letters</i> , 2016, 629, 1-8.	1.0	35
39	The spatial organization of the chonnectome associates with cortical hierarchy and transcriptional profiles in the human brain. <i>NeuroImage</i> , 2020, 222, 117296.	2.1	29
40	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
41	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
42	Disrupted Intersubject Variability Architecture in Functional Connectomes in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2021, 47, 837-848.	2.3	25
43	Age-related changes in the surface morphology of the central sulcus. <i>NeuroImage</i> , 2011, 58, 381-390.	2.1	24
44	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
45	A deep learning-based multisite neuroimage harmonization framework established with a traveling-subject dataset. <i>NeuroImage</i> , 2022, 257, 119297.	2.1	22
46	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
47	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
48	Identifying topological motif patterns of human brain functional networks. <i>Human Brain Mapping</i> , 2017, 38, 2734-2750.	1.9	19
49	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
50	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
51	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
52	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
53	Progressive Stabilization of Brain Network Dynamics during Childhood and Adolescence. <i>Cerebral Cortex</i> , 2022, 32, 1024-1039.	1.6	14
54	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

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55	Abnormal global functional network connectivity and its relationship to medial temporal atrophy in patients with amnesic mild cognitive impairment. PLoS ONE, 2017, 12, e0179823.	1.1	13
56	PAGANI Toolkit: Parallel graph-theoretical analysis package for brain network big data. Human Brain Mapping, 2018, 39, 1869-1885.	1.9	12
57	Structural insight into the individual variability architecture of the functional brain connectome. NeuroImage, 2022, 259, 119387.	2.1	12
58	Graph theoretical analysis of functional network for comprehension of sign language. Brain Research, 2017, 1671, 55-66.	1.1	10
59	Long-term Chinese calligraphic handwriting reshapes the posterior cingulate cortex: A VBM study. PLoS ONE, 2019, 14, e0214917.	1.1	10
60	Connectomic Insights into Topologically Centralized Network Edges and Relevant Motifs in the Human Brain. Frontiers in Human Neuroscience, 2016, 10, 158.	1.0	6
61	The relationship between voxel-based metrics of resting state functional connectivity and cognitive performance in cognitively healthy elderly adults. Brain Imaging and Behavior, 2018, 12, 1742-1758.	1.1	4
62	Long-term Chinese calligraphic handwriting training has a positive effect on brain network efficiency. PLoS ONE, 2019, 14, e0210962.	1.1	4
63	Altered topological properties of the intrinsic functional brain network in patients with right-sided unilateral hearing loss caused by acoustic neuroma. Brain Imaging and Behavior, 2022, 16, 1873-1883.	1.1	4
64	Evaluation of the robustness of BrainVISA software on brain sulcus extraction. , 2010, , .		0
65	P1-248: DECREASED RESTING-STATE FUNCTIONAL CONNECTIVITY STRENGTH IN AMNESTIC MCI-TO-AD CONVERTERS AND NON-CONVERTERS. , 2014, 10, P397-P397.		0
66	[P3-391]: VOXEL-BASED GRAPH THEORETICAL ANALYSIS OF FUNCTIONAL BRAIN NETWORKS IN PATIENTS WITH BEHAVIORAL VARIANT FRONTOTEMPORAL DEMENTIA. Alzheimer's and Dementia, 2017, 13, P1111.	0.4	0
67	P1-423: 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. Alzheimer's and Dementia, 2018, 14, P467.	0.4	0