Bing Liu

List of Publications by Year in descending order

90 papers	2,986 citations	172457 29 h-index	189892 50 g-index
91 all docs	91 docs citations	91 times ranked	5381 citing authors

#	Article	IF	Citations
1	Hippocampal volume and asymmetry in mild cognitive impairment and Alzheimer's disease: Metaâ€analyses of MRI studies. Hippocampus, 2009, 19, 1055-1064.	1.9	390
2	Impaired Long Distance Functional Connectivity and Weighted Network Architecture in Alzheimer's Disease. Cerebral Cortex, 2014, 24, 1422-1435.	2.9	202
3	Disrupted Small-World Brain Networks in Moderate Alzheimer's Disease: A Resting-State fMRI Study. PLoS ONE, 2012, 7, e33540.	2.5	192
4	Scalable and DiI-compatible optical clearance of the mammalian brain. Frontiers in Neuroanatomy, 2015, 9, 19.	1.7	154
5	A neuroimaging biomarker for striatal dysfunction in schizophrenia. Nature Medicine, 2020, 26, 558-565.	30.7	152
6	A combinational feature selection and ensemble neural network method for classification of gene expression data. BMC Bioinformatics, 2004, 5, 136.	2.6	107
7	Prefrontal-Related Functional Connectivities within the Default Network Are Modulated by COMTval¹⁵⁸metin Healthy Young Adults. Journal of Neuroscience, 2010, 30, 64-69.	3.6	88
8	Polygenic risk for five psychiatric disorders and cross-disorder and disorder-specific neural connectivity in two independent populations. NeuroImage: Clinical, 2017, 14, 441-449.	2.7	81
9	Independent and reproducible hippocampal radiomic biomarkers for multisite Alzheimerâ€™s disease: diagnosis, longitudinal progress and biological basis. Science Bulletin, 2020, 65, 1103-1113.	9.0	70
10	Neural mechanisms of oxytocin receptor gene mediating anxiety-related temperament. Brain Structure and Function, 2014, 219, 1543-1554.	2.3	64
11	Bridging Integrator 1 (BIN1) Genotype Effects on Working Memory, Hippocampal Volume, and Functional Connectivity in Young Healthy Individuals. Neuropsychopharmacology, 2015, 40, 1794-1803.	5.4	55
12	Generalizable, Reproducible, and Neuroscientifically Interpretable Imaging Biomarkers for Alzheimer's Disease. Advanced Science, 2020, 7, 2000675.	11.2	53
13	Impaired Parahippocampus Connectivity inÂMild Cognitive Impairment andÂAlzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 49, 1051-1064.	2.6	50
14	The long rather than the short allele of 5-HTTLPR predisposes Han Chinese to anxiety and reduced connectivity between prefrontal cortex and amygdala. Neuroscience Bulletin, 2013, 29, 4-15.	2.9	49
15	The Impact of MIR137 on Dorsolateral Prefrontalâ€“Hippocampal Functional Connectivity in Healthy Subjects. Neuropsychopharmacology, 2014, 39, 2153-2160.	5.4	48
16	Multiple Effect of APOE Genotype on Clinical and Neuroimaging Biomarkers Across Alzheimerâ€™s Disease Spectrum. Molecular Neurobiology, 2016, 53, 4539-4547.	4.0	46
17	Common and Specific Functional Activity Features in Schizophrenia, Major Depressive Disorder, and Bipolar Disorder. Frontiers in Psychiatry, 2019, 10, 52.	2.6	45
18	COMT val158met modulates association between brain white matter architecture and IQ. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2009, 150B, 375-380.	1.7	42

#	Article	IF	Citations
19	Polygenic Risk for Schizophrenia Influences Cortical Gyrification in 2 Independent General Populations. Schizophrenia Bulletin, 2016, 43, sbw051.	4.3	40
20	Cortical thickness is associated with different apolipoprotein E genotypes in healthy elderly adults. Neuroscience Letters, 2010, 479, 332-336.	2.1	38
21	<scp>Grabâ€AD</scp>: Generalizability and reproducibility of altered brain activity and diagnostic classification in Alzheimer's Disease. Human Brain Mapping, 2020, 41, 3379-3391.	3.6	38
22	Dosage Effects of BDNF Val66Met Polymorphism on Cortical Surface Area and Functional Connectivity. Journal of Neuroscience, 2014, 34, 2645-2651.	3.6	37
23	Characterization of white matter changes along fibers by automated fiber quantification in the early stages of Alzheimer's disease. NeuroImage: Clinical, 2019, 22, 101723.	2.7	37
24	Variant in OXTR gene and functional connectivity of the hypothalamus in normal subjects. NeuroImage, 2013, 81, 199-204.	4.2	36
25	Impacts of PICALM and CLU variants associated with Alzheimerâ€™s disease on the functional connectivity of the hippocampus in healthy young adults. Brain Structure and Function, 2015, 220, 1463-1475.	2.3	35
26	Polygenic risk for Alzheimer's disease influences precuneal volume in two independent general populations. Neurobiology of Aging, 2018, 64, 116-122.	3.1	35
27	The Structural Connectivity Pattern of the Default Mode Network and Its Association with Memory and Anxiety. Frontiers in Neuroanatomy, 2015, 9, 152.	1.7	33
28	Attention-based 3D Convolutional Network for Alzheimerâ€™s Disease Diagnosis and Biomarkers Exploration. , 2019, , .		33
29	Less Efficient Information Transfer in Cys-Allele Carriers of DISC1: A Brain Network Study Based on Diffusion MRI. Cerebral Cortex, 2013, 23, 1715-1723.	2.9	32
30	Functional Connectivity in Healthy Subjects Is Nonlinearly Modulated by the COMT and DRD2 Polymorphisms in a Functional System-Dependent Manner. Journal of Neuroscience, 2013, 33, 17519-17526.	3.6	32
31	Primate-specific miR-603 is implicated in the risk and pathogenesis of Alzheimer's disease. Aging, 2016, 8, 272-290.	3.1	31
32	Polygenic effects of schizophrenia on hippocampal grey matter volume and hippocampusâ€“medial prefrontal cortex functional connectivity. British Journal of Psychiatry, 2020, 216, 267-274.	2.8	30
33	Characterizing white matter connectivity in Alzheimer's disease and mild cognitive impairment: An automated fiber quantification analysis with two independent datasets. Cortex, 2020, 129, 390-405.	2.4	30
34	Haplotypes of catechol-O-methyltransferase modulate intelligence-related brain white matter integrity. NeuroImage, 2010, 50, 243-249.	4.2	28
35	Brainnetome-wide association studies in schizophrenia: The advances and future. Neuroscience and Biobehavioral Reviews, 2013, 37, 2818-2835.	6.1	25
36	Compromised small-world efficiency of structural brain networks in schizophrenic patients and their unaffected parents. Neuroscience Bulletin, 2015, 31, 275-287.	2.9	24

#	Article	IF	Citations
37	ASAF: altered spontaneous activity fingerprinting in Alzheimerâ€™s disease based on multisite fMRI. Science Bulletin, 2019, 64, 998-1010.	9.0	24
38	Catechol-O-Methyltransferase Val158Met Polymorphism Modulates Gray Matter Volume and Functional Connectivity of the Default Mode Network. PLoS ONE, 2013, 8, e78697.	2.5	22
39	APOE Effects on Default Mode Network in Chinese Cognitive Normal Elderly: Relationship with Clinical Cognitive Performance. PLoS ONE, 2015, 10, e0133179.	2.5	22
40	DISC1 Ser704Cys impacts thalamic-prefrontal connectivity. Brain Structure and Function, 2015, 220, 91-100.	2.3	21
41	Sex-specific mediation effect of the right fusiform face area volume on the association between variants in repeat length ofAVPR1ARS3 and altruistic behavior in healthy adults. Human Brain Mapping, 2016, 37, 2700-2709.	3.6	21
42	Association between cerebral dopamine neurotrophic factor (CDNF) 2 polymorphisms and schizophrenia susceptibility and symptoms in the Han Chinese population. Behavioral and Brain Functions, 2018, 14, 1.	3.3	21
43	Regional Radiomics Similarity Networks Reveal Distinct Subtypes and Abnormality Patterns in Mild Cognitive Impairment. Advanced Science, 2022, 9, e2104538.	11.2	21
44	Four Distinct Subtypes of Alzheimerâ€™s Disease Based on Resting-State Connectivity Biomarkers. Biological Psychiatry, 2023, 93, 759-769.	1.3	20
45	Impact ofPICALMandCLUon hippocampal degeneration. Human Brain Mapping, 2016, 37, 2419-2430.	3.6	19
46	KIBRA gene variants are associated with synchronization within the default-mode and executive control networks. NeuroImage, 2013, 69, 213-222.	4.2	18
47	Disrupted thalamo-cortical connectivity in schizophrenia: A morphometric correlation analysis. Schizophrenia Research, 2014, 153, 129-135.	2.0	18
48	Quantitative Radiomic Features as New Biomarkers for Alzheimerâ€™s Disease: An Amyloid PET Study. Cerebral Cortex, 2021, 31, 3950-3961.	2.9	18
49	Interactions of genetic variants reveal inverse modulation patterns of dopamine system on brain gray matter volume and resting-state functional connectivity in healthy young adults. Brain Structure and Function, 2016, 221, 3891-3901.	2.3	16
50	Modulation of APOE and SORL1 genes on hippocampal functional connectivity in healthy young adults. Brain Structure and Function, 2017, 222, 2877-2889.	2.3	16
51	AI4AD: Artificial intelligence analysis for Alzheimer's disease classification based on a multisite DTI database. Brain Disorders, 2021, 1, 100005.	1.7	14
52	Structural and functional connectivity abnormalities of the default mode network in patients with Alzheimer's disease and mild cognitive impairment within two independent datasets. Methods, 2022, 205, 29-38.	3.8	14
53	Multilocus genetic profile in dopaminergic pathway modulates the striatum and working memory. Scientific Reports, 2018, 8, 5372.	3.3	11
54	The catechol-o-methyltransferase Val158Met polymorphism modulates the intrinsic functional network centrality of the parahippocampal cortex in healthy subjects. Scientific Reports, 2015, 5, 10105.	3.3	10

#	Article	IF	Citations
55	Interaction ofCOMTrs4680 andBDNFrs6265 polymorphisms on functional connectivity density of the left frontal eye field in healthy young adults. Human Brain Mapping, 2016, 37, 2468-2478.	3.6	10
56	APOEandKIBRAInteractions on Brain Functional Connectivity in Healthy Young Adults. Cerebral Cortex, 2017, 27, 4797-4805.	2.9	10
57	Predicting brain age during typical and atypical development based on structural and functional neuroimaging. Human Brain Mapping, 2021, 42, 5943-5955.	3.6	10
58	<scp>RAB</scp>2<scp>A</scp> Polymorphism impacts prefrontal morphology, functional connectivity, and working memory. Human Brain Mapping, 2015, 36, 4372-4382.	3.6	9
59	ALDH2Glu504Lys Confers Susceptibility to Schizophrenia and Impacts Hippocampal-Prefrontal Functional Connectivity. Cerebral Cortex, 2016, 27, bhw056.	2.9	9
60	MIR137 polygenic risk is associated with schizophrenia and affects functional connectivity of the dorsolateral prefrontal cortex. Psychological Medicine, 2020, 50, 1510-1518.	4.5	9
61	Consistent brain structural abnormalities and multisite individualised classification of schizophrenia using deep neural networks. British Journal of Psychiatry, 2022, 221, 732-739.	2.8	9
62	Multimodal Magnetic Resonance Imaging for Brain Disorders: Advances and Perspectives. Brain Imaging and Behavior, 2008, 2, 249-257.	2.1	8
63	Genetic Effects on Fine-Grained Human Cortical Regionalization. Cerebral Cortex, 2016, 26, 3732-3743.	2.9	8
64	A common variant in OXTR rs53576 impacts topological patterns of brain functional networks. European Child and Adolescent Psychiatry, 2020, 29, 993-1002.	4.7	8
65	Multisite schizophrenia classification by integrating structural magnetic resonance imaging data with polygenic risk score. NeuroImage: Clinical, 2021, 32, 102860.	2.7	8
66	Association of DTNBP1 With Schizophrenia: Findings From Two Independent Samples of Han Chinese Population. Frontiers in Psychiatry, 2020, 11, 446.	2.6	7
67	The cortical surface area of the insula mediates the effect of DBH rs7040170 on novelty seeking. NeuroImage, 2015, 117, 184-190.	4.2	6
68	Prefrontal Volume Mediates Effect ofCOMTPolymorphism on Interference Resolution Capacity in Healthy Male Adults. Cerebral Cortex, 2017, 27, 5211-5221.	2.9	6
69	Dynamic reconfiguration of human brain networks across altered states of consciousness. Behavioural Brain Research, 2022, 419, 113685.	2.2	6
70	A potential ethnic difference in the association between 5-HTTLPR polymorphisms and the brain default mode network. Science Bulletin, 2014, 59, 1355-1361.	1.7	5
71	Interaction effect between 5-HTTLPR and HTR1A rs6295 polymorphisms on the frontoparietal network. Neuroscience, 2017, 362, 239-247.	2.3	5
72	Impact of COMT haplotypes on functional connectivity density and its association with the gene expression of dopamine receptors. Brain Structure and Function, 2019, 224, 2619-2630.	2.3	5

#	Article	IF	Citations
73	Disrupted functional connectivity between perirhinal and parahippocampal cortices with hippocampal subfields in patients with mild cognitive impairment and Alzheimer's disease. Oncotarget, 2017, 8, 99112-99124.	1.8	5
74	Adenovirus-Mediated Wild-Type p53 Transfer Radiosensitizes H1299 Cells to Subclinical-Dose Carbon-Ion Irradiation Through the Restoration of p53 Function. Cancer Biotherapy and Radiopharmaceuticals, 2009, 24, 57-66.	1.0	4
75	The effects of a genome-wide supported variant in the CACNA1C gene on cortical morphology in schizophrenia patients and healthy subjects. Scientific Reports, 2016, 6, 34298.	3.3	4
76	Predicting Treatment Response in Schizophrenia With Magnetic Resonance Imaging and Polygenic Risk Score. Frontiers in Genetics, 2022, 13, 848205.	2.3	4
77	A Pathway-Specific Polygenic Risk Score Is Associated with Tau Pathology and Cognitive Decline. Journal of Alzheimer's Disease, 2022, 85, 1745-1754.	2.6	4
78	Left Parietal Functional Connectivity Mediates the Association Between COMT rs4633 and Verbal Intelligence in Healthy Adults. Frontiers in Neuroscience, 2018, 12, 233.	2.8	3
79	Orbitofrontal cortex volume links polygenic risk for smoking with tobacco use in healthy adolescents. Psychological Medicine, 2022, 52, 1175-1182.	4.5	3
80	Uncovering the genetic profiles underlying the intrinsic organization of the human cerebellum. Molecular Psychiatry, 2022, 27, 2619-2634.	7.9	3
81	Systematic benchmarking of microarray data feature extraction and classification. International Journal of Computer Mathematics, 2008, 85, 803-811.	1.8	2
82	Authorsâ€™ response to â€œMaternal age as a potential explanation of the role of the L allele of the serotonin transporter gene in anxiety and depression in Asiansâ€• Neuroscience Bulletin, 2014, 30, 536-537.	2.9	2
83	Modulation effect of the SORL1 gene on functional connectivity density in healthy young adults. Brain Structure and Function, 2016, 221, 4103-4110.	2.3	2
84	Characterizing White Matter Connectivity in Alzheimerâ€™s Disease and Mild Cognitive Impairment: Automated Fiber Quantification. , 2019, , .		2
85	Multi-template Neuroimaging Feature Selection Using Weight-constrained Low-rank Learning for Alzheimerâ€™s Disease Classification. , 2021, , .		1
86	Bridging Integrator 1 (BIN1) Genotype Effects on Working Memory, Hippocampal Volume, and Functional Connectivity in Young Healthy Individuals. , 0, .		1
87	Applications of Psychological Principles and Fatigue Feedback-Learning Technique in E-Learning. , 2008, , .		0
88	Altered Connection and Diagnosis Utility of White Matter in Alzheimerâ€™s Disease: A Multi-site Automated Fiber Quantification Study. , 2021, 2021, 2923-2927.		0
89	Structural Brain Atrophy Predict Symptom Severity in Schizophrenia Based on Generalized Additive Models. , 2022, , .		0
90	Predicting Conversion to Mild Cognitive Impairment in Cognitively Normal with Incomplete Multi-modal Neuroimages. , 2022, , .		0