

Wei Liao

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

6,146
citations

81839

39
h-index

76872

74
g-index

100
all docs

100
docs citations

100
times ranked

5963
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered functionalâ€“structural coupling of large-scale brain networks in idiopathic generalized epilepsy. <i>Brain</i> , 2011, 134, 2912-2928.	3.7	486
2	Altered Functional Connectivity and Small-World in Mesial Temporal Lobe Epilepsy. <i>PLoS ONE</i> , 2010, 5, e8525.	1.1	459
3	Selective aberrant functional connectivity of resting state networks in social anxiety disorder. <i>NeuroImage</i> , 2010, 52, 1549-1558.	2.1	293
4	Default mode network abnormalities in mesial temporal lobe epilepsy: A study combining fMRI and DTI. <i>Human Brain Mapping</i> , 2011, 32, 883-895.	1.9	279
5	Altered functional connectivity in default mode network in absence epilepsy: A restingâ€“state fMRI study. <i>Human Brain Mapping</i> , 2011, 32, 438-449.	1.9	233
6	<i>DynamicBC</i> : A MATLAB Toolbox for Dynamic Brain Connectome Analysis. <i>Brain Connectivity</i> , 2014, 4, 780-790.	0.8	221
7	Evaluating the effective connectivity of resting state networks using conditional Granger causality. <i>Biological Cybernetics</i> , 2010, 102, 57-69.	0.6	198
8	fMRI study of mesial temporal lobe epilepsy using amplitude of lowâ€“frequency fluctuation analysis. <i>Human Brain Mapping</i> , 2010, 31, 1851-1861.	1.9	178
9	Altered Effective Connectivity Network of the Amygdala in Social Anxiety Disorder: A Resting-State fMRI Study. <i>PLoS ONE</i> , 2010, 5, e15238.	1.1	162
10	Small-world directed networks in the human brain: Multivariate Granger causality analysis of resting-state fMRI. <i>NeuroImage</i> , 2011, 54, 2683-2694.	2.1	160
11	More than just statics: temporal dynamics of intrinsic brain activity predicts the suicidal ideation in depressed patients. <i>Psychological Medicine</i> , 2019, 49, 852-860.	2.7	145
12	Altered gray matter morphometry and resting-state functional and structural connectivity in social anxiety disorder. <i>Brain Research</i> , 2011, 1388, 167-177.	1.1	142
13	Resting state basal ganglia network in idiopathic generalized epilepsy. <i>Human Brain Mapping</i> , 2012, 33, 1279-1294.	1.9	115
14	Static and dynamic connectomics differentiate between depressed patients with and without suicidal ideation. <i>Human Brain Mapping</i> , 2018, 39, 4105-4118.	1.9	107
15	Cortical structural differences in major depressive disorder correlate with cell type-specific transcriptional signatures. <i>Nature Communications</i> , 2021, 12, 1647.	5.8	103
16	Dynamical intrinsic functional architecture of the brain during absence seizures. <i>Brain Structure and Function</i> , 2014, 219, 2001-2015.	1.2	99
17	Endless Fluctuations: Temporal Dynamics of the Amplitude of Low Frequency Fluctuations. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2523-2532.	5.4	99
18	Altered resting state networks in epileptic patients with generalized tonicâ€“clonic seizures. <i>Brain Research</i> , 2011, 1374, 134-141.	1.1	98

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19	Frequency dependent hub role of the dorsal and ventral right anterior insula. <i>NeuroImage</i> , 2018, 165, 112-117.	2.1	96
20	Transdiagnostic and diagnosis-specific dynamic functional connectivity anchored in the right anterior insula in major depressive disorder and bipolar depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 85, 7-15.	2.5	93
21	Abnormal functional connectivity density in psychogenic non-epileptic seizures. <i>Epilepsy Research</i> , 2014, 108, 1184-1194.	0.8	81
22	Low-frequency blood oxygen level-dependent fluctuations in the brain white matter: more than just noise. <i>Science Bulletin</i> , 2017, 62, 656-657.	4.3	79
23	Differential patterns of dynamic functional connectivity variability of striato-cortical circuitry in children with benign epilepsy with centrotemporal spikes. <i>Human Brain Mapping</i> , 2018, 39, 1207-1217.	1.9	78
24	Generalized Tonic-Clonic Seizures: Aberrant Interhemispheric Functional and Anatomical Connectivity. <i>Radiology</i> , 2014, 271, 839-847.	3.6	76
25	Exploring the functional connectome in white matter. <i>Human Brain Mapping</i> , 2019, 40, 4331-4344.	1.9	76
26	Relationship Between Large-Scale Functional and Structural Covariance Networks in Idiopathic Generalized Epilepsy. <i>Brain Connectivity</i> , 2013, 3, 240-254.	0.8	66
27	Partially impaired functional connectivity states between right anterior insula and default mode network in autism spectrum disorder. <i>Human Brain Mapping</i> , 2019, 40, 1264-1275.	1.9	65
28	Resting-State Brain Organization Revealed by Functional Covariance Networks. <i>PLoS ONE</i> , 2011, 6, e28817.	1.1	65
29	Hippocampus-associated causal network of structural covariance measuring structural damage progression in temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2017, 38, 753-766.	1.9	61
30	Frequency-dependent amplitude alterations of resting-state spontaneous fluctuations in idiopathic generalized epilepsy. <i>Epilepsy Research</i> , 2014, 108, 853-860.	0.8	60
31	Decreased Network Efficiency in Benign Epilepsy with Centrotemporal Spikes. <i>Radiology</i> , 2017, 283, 186-194.	3.6	57
32	Dynamic aftereffects in supplementary motor network following inhibitory transcranial magnetic stimulation protocols. <i>NeuroImage</i> , 2017, 149, 285-294.	2.1	50
33	Mapping the Voxel-Wise Effective Connectome in Resting State fMRI. <i>PLoS ONE</i> , 2013, 8, e73670.	1.1	46
34	Disrupted structural and functional rich club organization of the brain connectome in patients with generalized tonic-clonic seizure. <i>Human Brain Mapping</i> , 2016, 37, 4487-4499.	1.9	46
35	Analysis of Altered Baseline Brain Activity in Drug-Naive Adult Patients with Social Anxiety Disorder Using Resting-State Functional MRI. <i>Psychiatry Investigation</i> , 2015, 12, 372.	0.7	46
36	Pathological uncoupling between amplitude and connectivity of brain fluctuations in epilepsy. <i>Human Brain Mapping</i> , 2015, 36, 2756-2766.	1.9	45

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37	Kernel Granger Causality Mapping Effective Connectivity on fMRI Data. IEEE Transactions on Medical Imaging, 2009, 28, 1825-1835.	5.4	44
38	Intrinsic brain activity as a diagnostic biomarker in children with benign epilepsy with centrotemporal spikes. Human Brain Mapping, 2015, 36, 3878-3889.	1.9	43
39	Epileptic Discharge Related Functional Connectivity Within and Between Networks in Benign Epilepsy with Centrotemporal Spikes. International Journal of Neural Systems, 2017, 27, 1750018.	3.2	43
40	The thalamic functional gradient and its relationship to structural basis and cognitive relevance. NeuroImage, 2020, 218, 116960.	2.1	43
41	Thalamocortical dysconnectivity in paroxysmal kinesigenic dyskinesia: Combining functional magnetic resonance imaging and diffusion tensor imaging. Movement Disorders, 2017, 32, 592-600.	2.2	41
42	A neuromarker of individual general fluid intelligence from the white-matter functional connectome. Translational Psychiatry, 2020, 10, 147.	2.4	41
43	Altered Regional Homogeneity in Rolandic Epilepsy: A Resting-State fMRI Study. BioMed Research International, 2014, 2014, 1-8.	0.9	39
44	Functional Connectome before and following Temporal Lobectomy in Mesial Temporal Lobe Epilepsy. Scientific Reports, 2016, 6, 23153.	1.6	38
45	Local Activity and Causal Connectivity in Children with Benign Epilepsy with Centrotemporal Spikes. PLoS ONE, 2015, 10, e0134361.	1.1	37
46	Abnormal dynamics of functional connectivity density in children with benign epilepsy with centrotemporal spikes. Brain Imaging and Behavior, 2019, 13, 985-994.	1.1	36
47	Preservation Effect: Cigarette Smoking Acts on the Dynamic of Influences Among Unifying Neuropsychiatric Triple Networks in Schizophrenia. Schizophrenia Bulletin, 2019, 45, 1242-1250.	2.3	36
48	Systematically disrupted functional gradient of the cortical connectome in generalized epilepsy: Initial discovery and independent sample replication. NeuroImage, 2021, 230, 117831.	2.1	35
49	Glucose disturbances, cognitive deficits and white matter abnormalities in first-episode drug-naive schizophrenia. Molecular Psychiatry, 2020, 25, 3220-3230.	4.1	34
50	The Organization of the Human Corpus Callosum Estimated by Intrinsic Functional Connectivity with White-Matter Functional Networks. Cerebral Cortex, 2020, 30, 3313-3324.	1.6	34
51	Altered Intrinsic Regional Activity and Interregional Functional Connectivity in Post-stroke Aphasia. Scientific Reports, 2016, 6, 24803.	1.6	33
52	Altered White Matter Connectivity Within and Between Networks in Antipsychotic-Naive First-Episode Schizophrenia. Schizophrenia Bulletin, 2018, 44, 409-418.	2.3	32
53	A Dissociation in Effects of Risperidone Monotherapy on Functional and Anatomical Connectivity Within the Default Mode Network. Schizophrenia Bulletin, 2019, 45, 1309-1318.	2.3	32
54	Epileptic discharges specifically affect intrinsic connectivity networks during absence seizures. Journal of the Neurological Sciences, 2014, 336, 138-145.	0.3	31

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55	Connectome Reorganization Associated With Surgical Outcome in Temporal Lobe Epilepsy. <i>Medicine (United States)</i> , 2015, 94, e1737.	0.4	31
56	Beyond the Arcuate Fasciculus: Damage to Ventral and Dorsal Language Pathways in Aphasia. <i>Brain Topography</i> , 2017, 30, 249-256.	0.8	31
57	Impaired interactions among white-matter functional networks in antipsychotic-naïve first-episode schizophrenia. <i>Human Brain Mapping</i> , 2020, 41, 230-240.	1.9	31
58	White-matter functional topology: a neuromarker for classification and prediction in unmedicated depression. <i>Translational Psychiatry</i> , 2020, 10, 365.	2.4	31
59	Temporal variability profiling of the default mode across epilepsy subtypes. <i>Epilepsia</i> , 2021, 62, 61-73.	2.6	31
60	Frequency-Specific Alterations of Local Synchronization in Idiopathic Generalized Epilepsy. <i>Medicine (United States)</i> , 2015, 94, e1374.	0.4	30
61	Dysregulated Maturation of the Functional Connectome in Antipsychotic-Naïve, First-Episode Patients With Adolescent-Onset Schizophrenia. <i>Schizophrenia Bulletin</i> , 2019, 45, 689-697.	2.3	30
62	Altered functional connectivity in the brain default-mode network of earthquake survivors persists after 2 years despite recovery from anxiety symptoms. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1497-1505.	1.5	29
63	Temporal dynamic changes of intrinsic brain activity in schizophrenia with cigarette smoking. <i>Schizophrenia Research</i> , 2019, 210, 66-72.	1.1	28
64	Subtyping Schizophrenia Patients Based on Patterns of Structural Brain Alterations. <i>Schizophrenia Bulletin</i> , 2022, 48, 241-250.	2.3	28
65	Sex differences in associations of arginine vasopressin and oxytocin with resting-state functional brain connectivity. <i>Journal of Neuroscience Research</i> , 2017, 95, 576-586.	1.3	26
66	Cortical patterning of morphometric similarity gradient reveals diverged hierarchical organization in sensory-motor cortices. <i>Cell Reports</i> , 2021, 36, 109582.	2.9	26
67	Altered dynamic global signal topography in antipsychotic-naïve adolescents with early-onset schizophrenia. <i>Schizophrenia Research</i> , 2019, 208, 308-316.	1.1	25
68	Inter-hemispheric Intrinsic Connectivity as a Neuromarker for the Diagnosis of Boys with Tourette Syndrome. <i>Molecular Neurobiology</i> , 2017, 54, 2781-2789.	1.9	24
69	Reorganization of Anatomical Connectome following Electroconvulsive Therapy in Major Depressive Disorder. <i>Neural Plasticity</i> , 2015, 2015, 1-8.	1.0	22
70	Distinct striatum pathways connected to salience network predict symptoms improvement and resilient functioning in schizophrenia following risperidone monotherapy. <i>Schizophrenia Research</i> , 2020, 215, 89-96.	1.1	22
71	Brain iron redistribution in mesial temporal lobe epilepsy: a susceptibility-weighted magnetic resonance imaging study. <i>BMC Neuroscience</i> , 2014, 15, 117.	0.8	21
72	Structure-Function Connectomics Reveals Aberrant Developmental Trajectory Occurring at Preadolescence in the Autistic Brain. <i>Cerebral Cortex</i> , 2020, 30, 5028-5037.	1.6	20

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73	Disruption of functional connectivity among subcortical arousal system and cortical networks in temporal lobe epilepsy. <i>Brain Imaging and Behavior</i> , 2020, 14, 762-771.	1.1	19
74	Individual-specific functional connectome biomarkers predict schizophrenia positive symptoms during adolescent brain maturation. <i>Human Brain Mapping</i> , 2021, 42, 1475-1484.	1.9	17
75	The distinguishing intrinsic brain circuitry in treatment-naïve first-episode schizophrenia: Ensemble learning classification. <i>Neurocomputing</i> , 2019, 365, 44-53.	3.5	16
76	Shared and distinct global signal topography disturbances in subcortical and cortical networks in human epilepsy. <i>Human Brain Mapping</i> , 2021, 42, 412-426.	1.9	16
77	Globus Pallidus Interna in Tourette Syndrome: Decreased Local Activity and Disrupted Functional Connectivity. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 93.	0.9	15
78	Altered Structure and Intrinsic Functional Connectivity in Post-stroke Aphasia. <i>Brain Topography</i> , 2018, 31, 300-310.	0.8	15
79	Abnormal Functional Connectivity Density in Post-Stroke Aphasia. <i>Brain Topography</i> , 2019, 32, 271-282.	0.8	14
80	Transcriptomic and macroscopic architectures of intersubject functional variability in human brain white-matter. <i>Communications Biology</i> , 2021, 4, 1417.	2.0	14
81	Multiscale energy reallocation during low-frequency steady-state brain response. <i>Human Brain Mapping</i> , 2018, 39, 2121-2132.	1.9	13
82	Functional brain networks in never-treated and treated long-term ill schizophrenia patients. <i>Neuropsychopharmacology</i> , 2019, 44, 1940-1947.	2.8	13
83	Nicotine in action: cigarette smoking modulated homotopic functional connectivity in schizophrenia. <i>Brain Imaging and Behavior</i> , 2019, 13, 1612-1623.	1.1	11
84	Linked Social Communication Dimensions and Connectivity in Functional Brain Networks in Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2021, 31, 3899-3910.	1.6	11
85	Whole-brain functional connectome-based multivariate classification of post-stroke aphasia. <i>Neurocomputing</i> , 2017, 269, 199-205.	3.5	10
86	Frequency-specific altered global signal topography in drug-naïve first-episode patients with adolescent-onset schizophrenia. <i>Brain Imaging and Behavior</i> , 2021, 15, 1876-1885.	1.1	10
87	Frequency-Specific Local Synchronization Changes in Paroxysmal Kinesigenic Dyskinesia. <i>Medicine (United States)</i> , 2016, 95, e3293.	0.4	9
88	Impaired self-referential processing in mesial temporal lobe epilepsy: A functional MRI study. <i>Neuroscience Letters</i> , 2013, 555, 187-192.	1.0	5
89	Abnormal white matter functional connectivity density in antipsychotic-naïve adolescents with schizophrenia. <i>Clinical Neurophysiology</i> , 2021, 132, 1025-1032.	0.7	3
90	Distinct neuroanatomic subtypes in antipsychotic-treated patients with schizophrenia classified by the predefined classification in a never-treated sample. <i>Psychoradiology</i> , 2021, 1, 212-224.	1.0	3

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91	Hilbert phase entropy imaging of fMRI time series. Computer Methods in Biomechanics and Biomedical Engineering, 2010, 13, 121-133.	0.9	2
92	Aberrant corticostriatal connectivity predict positive symptoms of antipsychotic-naïve patients with adolescent-onset schizophrenia during brain maturation. Schizophrenia Research, 2018, 195, 564-566.	1.1	2
93	A temporal chronnectomic framework: Cigarette smoking preserved the prefrontal dysfunction in schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 99, 109860.	2.5	2
94	A biomechanics comparison of grasping in locomotion and feeding with the mouse lemur (Microcebus) Tj ETQq0 0 0 rgBT /Overlock 10 13, 121-123.	0.9	1
95	Editorial: Advanced Neuroimaging Methods in Brain Disorders. Frontiers in Human Neuroscience, 2022, 16, 906323.	1.0	1
96	Differences of aberrant dynamic functional connectivity between depressed patients with and without suicidal ideation. , 2020, , .		0