

# Juan Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

8,606  
citations

87888

38  
h-index

49909

87  
g-index

125  
all docs

125  
docs citations

125  
times ranked

11925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain white matter extracellular free-water increases are related to reduced neurocognitive function in systemic lupus erythematosus. <i>Rheumatology</i> , 2022, 61, 1166-1174.	1.9	5
2	Structural and diffusion MRI based schizophrenia classification using 2D pretrained and 3D naive Convolutional Neural Networks. <i>Schizophrenia Research</i> , 2022, 243, 330-341.	2.0	23
3	Structure-function coupling within the reward network in preschool children predicts executive functioning in later childhood. <i>Developmental Cognitive Neuroscience</i> , 2022, 55, 101107.	4.0	10
4	Cerebral microinfarcts affect brain structural network topology in cognitively impaired patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 105-115.	4.3	11
5	White matter network damage mediates association between cerebrovascular disease and cognition. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 0271678X2199098.	4.3	14
6	Task-related brain functional network reconfigurations relate to motor recovery in chronic subcortical stroke. <i>Scientific Reports</i> , 2021, 11, 8442.	3.3	19
7	Association of Structural Magnetic Resonance Imaging Measures With Psychosis Onset in Individuals at Clinical High Risk for Developing Psychosis. <i>JAMA Psychiatry</i> , 2021, 78, 753.	11.0	74
8	Brain Functional Changes in Stroke Following Rehabilitation Using Brain-Computer Interface-Assisted Motor Imagery With and Without tDCS: A Pilot Study. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 692304.	2.0	16
9	Respiratory, cardiac, EEG, BOLD signals and functional connectivity over multiple microsleep episodes. <i>NeuroImage</i> , 2021, 237, 118129.	4.2	13
10	Bilingual language entropy influences executive functions through functional connectivity and signal variability. <i>Brain and Language</i> , 2021, 222, 105026.	1.6	6
11	Distinct network topology in Alzheimer's disease and behavioral variant frontotemporal dementia. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 13.	6.2	29
12	Cortical thinning and white matter abnormalities relate to longitudinal neuropsychiatric symptoms differentially in prodementia and dementia stages. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
13	Neurobiological Divergence of the Positive and Negative Schizophrenia Subtypes Identified on a New Factor Structure of Psychopathology Using Non-negative Factorization: An International Machine Learning Study. <i>Biological Psychiatry</i> , 2020, 87, 282-293.	1.3	68
14	Brain MRI-based 3D Convolutional Neural Networks for Classification of Schizophrenia and Controls. , 2020, 2020, 1742-1745.		21
15	Degeneration of structural brain networks is associated with cognitive decline after ischaemic stroke. <i>Brain Communications</i> , 2020, 2, fcaa155.	3.3	9
16	Using Transcranial Direct Current Stimulation to Augment the Effect of Motor Imagery-Assisted Brain-Computer Interface Training in Chronic Stroke Patients's Cortical Reorganization Considerations. <i>Frontiers in Neurology</i> , 2020, 11, 948.	2.4	21
17	Minimizing Hybrid Dice Loss for Highly Imbalanced 3D Neuroimage Segmentation. , 2020, 2020, 1059-1062.		4
18	Stage-dependent amyloid beta and tau-associated longitudinal white matter degeneration in early stages of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e040201.	0.8	0

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19	Brain free-water increases mediate the association of blood cardiovascular biomarkers with longitudinal cognitive decline in prodromal and clinical dementia. <i>Alzheimer's and Dementia</i> , 2020, 16, e044477.	0.8	0
20	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
21	Plasticity of DNA methylation, functional brain connectivity and efficiency in cognitive remediation for schizophrenia. <i>Journal of Psychiatric Research</i> , 2020, 126, 122-133.	3.1	6
22	Longitudinal trajectory of Amyloid-related hippocampal subfield atrophy in nondemented elderly. <i>Human Brain Mapping</i> , 2020, 41, 2037-2047.	3.6	19
23	Distinct BOLD variability changes in the default mode and salience networks in Alzheimer's disease spectrum and associations with cognitive decline. <i>Scientific Reports</i> , 2020, 10, 6457.	3.3	31
24	Posterior Cingulate Cortex Network Predicts Alzheimer's Disease Progression. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 608667.	3.4	20
25	Corticolimbic brain anomalies are associated with cognitive subtypes in psychosis: A longitudinal study. <i>European Psychiatry</i> , 2020, 63, e40.	0.2	3
26	Brain Network Functional Connectivity in Alzheimer's Disease and Frontotemporal Dementia. , 2020, , 385-415.		1
27	Whole Brain White Matter Microstructure and Upper Limb Function: Longitudinal Changes in Fractional Anisotropy and Axial Diffusivity in Post-Stroke Patients. <i>Journal of Central Nervous System Disease</i> , 2019, 11, 117957351986342.	1.9	2
28	Vigilance declines following sleep deprivation are associated with two previously identified dynamic connectivity states. <i>NeuroImage</i> , 2019, 200, 382-390.	4.2	24
29	Amyloid and cerebrovascular burden divergently influence brain functional network changes over time. <i>Neurology</i> , 2019, 93, e1514-e1525.	1.1	16
30	Cerebrovascular Disease Is a Risk for Getting Lost Behavior in Prodromal Dementia. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2019, 34, 344-352.	1.9	2
31	Medial Temporal Atrophy in Amyloid-Negative Amnesic Type Dementia Is Associated with High Cerebral White Matter Hyperintensity. <i>Journal of Alzheimer's Disease</i> , 2019, 70, 99-106.	2.6	7
32	Longitudinal Changes in the Cerebral Cortex Functional Organization of Healthy Elderly. <i>Journal of Neuroscience</i> , 2019, 39, 5534-5550.	3.6	70
33	Mechanisms Linking White Matter Lesions, Tract Integrity, and Depression in Alzheimer Disease. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 948-959.	1.2	12
34	Functional connectivity and the sleep-deprived brain. <i>Progress in Brain Research</i> , 2019, 246, 159-176.	1.4	41
35	White matter microstructural abnormalities and default network degeneration are associated with early memory deficit in Alzheimer's disease continuum. <i>Scientific Reports</i> , 2019, 9, 4749.	3.3	31
36	Individual-specific fMRI-Subspaces improve functional connectivity prediction of behavior. <i>NeuroImage</i> , 2019, 189, 804-812.	4.2	55

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37	Amyloid burden accelerates white matter degradation in cognitively normal elderly individuals. <i>Human Brain Mapping</i> , 2019, 40, 2065-2075.	3.6	35
38	Large-scale brain functional network topology disruptions underlie symptom heterogeneity in children with attention-deficit/hyperactivity disorder. <i>NeuroImage: Clinical</i> , 2019, 21, 101600.	2.7	61
39	Functional segregation loss over time is moderated by <i>APOE</i> genotype in healthy elderly. <i>Human Brain Mapping</i> , 2018, 39, 2742-2752.	3.6	16
40	Large-Scale Network Topology Reveals Heterogeneity in Individuals With at Risk Mental State for Psychosis: Findings From the Longitudinal Youth-at-Risk Study. <i>Cerebral Cortex</i> , 2018, 28, 4234-4243.	2.9	16
41	Carrying the past to the future: Distinct brain networks underlie individual differences in human spatial working memory capacity. <i>NeuroImage</i> , 2018, 176, 1-10.	4.2	18
42	Dynamic functional connectivity and its behavioral correlates beyond vigilance. <i>NeuroImage</i> , 2018, 177, 1-10.	4.2	41
43	Case-control analysis of leucine-rich repeat kinase 2 protective variants in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 64, 157.e7-157.e9.	3.1	3
44	P1â€³86: AMYLOID AND CEREBROVASCULAR BURDEN INFLUENCES ON LONGITUDINAL BRAIN FUNCTIONAL CONNECTIVITY CHANGES IN MILD COGNITIVE IMPAIRMENT. <i>Alzheimer's and Dementia</i> , 2018, 14, P448.	0.8	0
45	P2â€³423: GREATER LONGITUDINAL WHITE MATTER MICROSTRUCTURE AND EXTRACELLULAR FREEâ€³WATER CHANGES IN HEALTHY ELDERLY APOE4 ALLELE CARRIERS. <i>Alzheimer's and Dementia</i> , 2018, 14, P871.	0.8	0
46	P1â€³53: CEREBROVASCULAR DISEASE IS ASSOCIATED WITH GETTING LOST BEHAVIOR IN MILD ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P429.	0.8	0
47	F156. LONGITUDINAL WORKING MEMORY FUNCTIONAL DYSCONNECTIVITY REFLECTS HETEROGENEITY IN INDIVIDUALS AT ULTRA HIGH RISK FOR PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2018, 44, S281-S281.	4.3	0
48	Differential Amplitude of Low-Frequency Fluctuations in brain networks after BCI Training with and without tDCS in Stroke. , 2018, 2018, 1050-1053.		5
49	Altered Sensory Insular Connectivity in Chronic Postsurgical Pain Patients. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 483.	2.0	5
50	Alterations in Brain Network Topology and Structural-Functional Connectome Coupling Relate to Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 404.	3.4	52
51	Effectiveness of a Personalized Brain-Computer Interface System for Cognitive Training in Healthy Elderly: A Randomized Controlled Trial. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 127-138.	2.6	25
52	Regional White Matter Hyperintensity Influences Grey Matter Atrophy in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 533-549.	2.6	28
53	Recognition of Schizophrenia with Regularized Support Vector Machine and Sequential Region of Interest Selection using Structural Magnetic Resonance Imaging. <i>Scientific Reports</i> , 2018, 8, 13858.	3.3	30
54	Network Architecture Underlying Basal Autonomic Outflow: Evidence from Frontotemporal Dementia. <i>Journal of Neuroscience</i> , 2018, 38, 8943-8955.	3.6	66

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55	Cerebrovascular disease influences functional and structural network connectivity in patients with amnesic mild cognitive impairment and Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 82.	6.2	31
56	Brain-computer-interface-based intervention re-normalizes brain functional network topology in children with attention deficit/hyperactivity disorder. <i>Translational Psychiatry</i> , 2018, 8, 149.	4.8	53
57	Serial position effects differ between Alzheimer's and vascular features in mild cognitive impairment. <i>Aging</i> , 2018, 10, 3866-3880.	3.1	4
58	Progression from selective to general involvement of hippocampal subfields in schizophrenia. <i>Molecular Psychiatry</i> , 2017, 22, 142-152.	7.9	123
59	Longitudinal brain structure and cognitive changes over 8 years in an East Asian cohort. <i>NeuroImage</i> , 2017, 147, 852-860.	4.2	53
60	Progressive Decline in Hippocampal CA1 Volume in Individuals at Ultra-High-Risk for Psychosis Who Do Not Remit: Findings from the Longitudinal Youth at Risk Study. <i>Neuropsychopharmacology</i> , 2017, 42, 1361-1370.	5.4	67
61	Higher Peripheral TREM2 mRNA Levels Relate to Cognitive Deficits and Hippocampal Atrophy in Alzheimer's Disease and Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2017, 58, 413-423.	2.6	38
62	Applications of Resting-State Functional Connectivity to Neurodegenerative Disease. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 663-683.	1.0	36
63	Interpreting temporal fluctuations in resting-state functional connectivity MRI. <i>NeuroImage</i> , 2017, 163, 437-455.	4.2	234
64	Elucidation of shared and specific white matter findings underlying psychopathology clusters in schizophrenia. <i>Asian Journal of Psychiatry</i> , 2017, 30, 144-151.	2.0	5
65	Saliency network connectivity in the insula is associated with individual differences in interoceptive accuracy. <i>Brain Structure and Function</i> , 2017, 222, 1635-1644.	2.3	76
66	[P4237]: WHITE MATTER MICROSTRUCTURAL AND EXTRACELLULAR FREE-WATER CHANGES ASSOCIATED WITH COGNITION IN AMNESTIC MILD COGNITIVE IMPAIRMENT AND ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P1365.	0.8	0
67	[P1408]: CEREBROSPINAL FLUID TAU/AMYLOID $\beta$ 242 RATIO CORRELATES TO CEREBRAL ATROPHY IN AD. <i>Alzheimer's and Dementia</i> , 2017, 13, P431.	0.8	0
68	Influence of cerebrovascular disease on brain networks in prodromal and clinical Alzheimer's disease. <i>Brain</i> , 2017, 140, 3012-3022.	7.6	51
69	A feasibility study of detecting brain signal in EEG during emotional self-regulation. , 2017, , .		2
70	[O20104]: SERIAL POSITION PROFILES OF RECALL IN MILD COGNITIVE IMPAIRMENT: INTERPLAY BETWEEN HIPPOCAMPAL VOLUMES AND WHITE MATTER HYPERINTENSITIES. <i>Alzheimer's and Dementia</i> , 2017, 13, P548.	0.8	0
71	Getting Lost Behavior in Patients with Mild Alzheimer's Disease: A Cognitive and Anatomical Model. <i>Frontiers in Medicine</i> , 2017, 4, 201.	2.6	12
72	Distinct white matter microstructural abnormalities and extracellular water increases relate to cognitive impairment in Alzheimer's disease with and without cerebrovascular disease. <i>Alzheimer's Research and Therapy</i> , 2017, 9, 63.	6.2	70

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73	Hemispheric lateralization abnormalities of the white matter microstructure in patients with schizophrenia and bipolar disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2017, 42, 242-251.	2.4	31
74	Better Not to Know? Emotion Regulation Fails to Benefit from Affective Cueing. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 599.	2.0	5
75	Depressive symptoms influence global cognitive impairment indirectly by reducing memory and executive function in patients with mild cognitive impairment. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 1375-1383.	1.9	26
76	Disrupted salience network functional connectivity and white-matter microstructure in persons at risk for psychosis: findings from the LYRIKS study. <i>Psychological Medicine</i> , 2016, 46, 2771-2783.	4.5	62
77	P4185: Structural Connectivity Analysis Reveals White Matter Integrity Aberrations in High-Risk Cardiovascular Burden Subjects With Mild Alzheimer's Dementia. <i>Alzheimer's and Dementia</i> , 2016, 12, P1090.	0.8	0
78	O2-06-06: Higher Peripheral Trem2 Mrna Expression Levels are Related to Cognitive Deficits and Hippocampal Atrophy in Alzheimer's Disease and Amnestic MCI. , 2016, 12, P241-P241.		0
79	Measuring Cortical Connectivity in Alzheimer's Disease as a Brain Neural Network Pathology: Toward Clinical Applications. <i>Journal of the International Neuropsychological Society</i> , 2016, 22, 138-163.	1.8	92
80	Dominant hemisphere lateralization of cortical parasympathetic control as revealed by frontotemporal dementia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2430-9.	7.1	105
81	Spontaneous eyelid closures link vigilance fluctuation with fMRI dynamic connectivity states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9653-9658.	7.1	182
82	The Association Between Retinal Neuronal Layer and Brain Structure is Disrupted in Patients with Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 585-595.	2.6	45
83	Early cerebral volume reductions and their associations with reduced lupus disease activity in patients with newly-diagnosed systemic lupus erythematosus. <i>Scientific Reports</i> , 2016, 6, 22231.	3.3	14
84	Inter-hemispheric functional dysconnectivity mediates the association of corpus callosum degeneration with memory impairment in AD and amnestic MCI. <i>Scientific Reports</i> , 2016, 6, 32573.	3.3	38
85	Mode of Anisotropy Reveals Global Diffusion Alterations in Attention-Deficit/Hyperactivity Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2016, 55, 137-145.	0.5	29
86	Reduced functional segregation between the default mode network and the executive control network in healthy older adults: A longitudinal study. <i>NeuroImage</i> , 2016, 133, 321-330.	4.2	188
87	Cognition, Brain Atrophy, and Cerebrospinal Fluid Biomarkers Changes from Preclinical to Dementia Stage of Alzheimer's Disease and the Influence of Apolipoprotein E. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 253-268.	2.6	36
88	Lack of Evidence for Regional Brain Volume or Cortical Thickness Abnormalities in Youths at Clinical High Risk for Psychosis: Findings From the Longitudinal Youth at Risk Study: Table 1.. <i>Schizophrenia Bulletin</i> , 2015, 41, 1285-1293.	4.3	51
89	Differential age-dependent associations of gray matter volume and white matter integrity with processing speed in healthy older adults. <i>NeuroImage</i> , 2015, 123, 42-50.	4.2	56
90	Intrinsic Affective Network Is Impaired in Children with Attention-Deficit/Hyperactivity Disorder. <i>PLoS ONE</i> , 2015, 10, e0139018.	2.5	18

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91	Design of hardware efficient modulated filter bank for EEG signals feature extraction. , 2014, , .		2
92	Cognitive deficits in mild Parkinson's disease are associated with distinct areas of grey matter atrophy. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 576-580.	1.9	58
93	Network Dysfunction in Alzheimer's Disease and Frontotemporal Dementia: Implications for Psychiatry. Biological Psychiatry, 2014, 75, 565-573.	1.3	194
94	P4-153: INFLUENCE OF SMALL VESSEL CEREBROVASCULAR DISEASE ON THE NEUROPSYCHOLOGICAL PERFORMANCE OF PATIENTS WITH EARLY ALZHEIMER'S DISEASE. , 2014, 10, P844-P846.		0
95	F2-02-02: PREDICTING REGIONAL NEURODEGENERATION FROM THE HEALTHY BRAIN CONNECTOME. , 2014, 10, P159-P159.		0
96	White Matter Alterations at 33-Year Follow-Up in Adults with Childhood Attention-Deficit/Hyperactivity Disorder. Biological Psychiatry, 2013, 74, 591-598.	1.3	114
97	Intrinsic connectivity network disruption in progressive supranuclear palsy. Annals of Neurology, 2013, 73, 603-616.	5.3	88
98	Gender Modulates the APOE $\epsilon$ 4 Effect in Healthy Older Adults: Convergent Evidence from Functional Brain Connectivity and Spinal Fluid Tau Levels. Journal of Neuroscience, 2012, 32, 8254-8262.	3.6	222
99	Predicting Regional Neurodegeneration from the Healthy Brain Functional Connectome. Neuron, 2012, 73, 1216-1227.	8.1	605
100	One-year test-retest reliability of intrinsic connectivity network fMRI in older adults. NeuroImage, 2012, 61, 1471-1483.	4.2	254
101	Frontotemporal Dementia. Neuroscientist, 2012, 18, 373-385.	3.5	113
102	COMT Val <sup>158</sup> Met genotype influences neurodegeneration within dopamine-innervated brain structures. Neurology, 2012, 78, 1663-1669.	1.1	26
103	Levodopa and the feedback process on set-shifting in parkinson's disease. Human Brain Mapping, 2012, 33, 27-39.	3.6	17
104	Differential Development of Human Brain White Matter Tracts. PLoS ONE, 2011, 6, e23437.	2.5	64
105	Divergent network connectivity changes in behavioural variant frontotemporal dementia and Alzheimer's disease. Brain, 2010, 133, 1352-1367.	7.6	876
106	Network-level structural covariance in the developing brain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18191-18196.	7.1	362
107	Neurodegenerative Diseases Target Large-Scale Human Brain Networks. Neuron, 2009, 62, 42-52.	8.1	1,994
108	Probabilistic Framework for Brain Connectivity From Functional MR Images. IEEE Transactions on Medical Imaging, 2008, 27, 825-833.	8.9	10

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109	Fuzzy approach to incorporate hemodynamic variability and contextual information for detection of brain activation. <i>Neurocomputing</i> , 2008, 71, 3184-3192.	5.9	6
110	Learning effective brain connectivity with dynamic Bayesian networks. <i>NeuroImage</i> , 2007, 37, 749-760.	4.2	122
111	Modeling hemodynamic variability with fuzzy features for detecting brain activation from fMR time-series. <i>Neural Computing and Applications</i> , 2007, 16, 541-549.	5.6	0
112	Extraction of Fuzzy Features for Detecting Brain Activation from Functional MR Time-Series. <i>Lecture Notes in Computer Science</i> , 2006, , 983-992.	1.3	1
113	Segmentation of subcortical brain structures using fuzzy templates. <i>NeuroImage</i> , 2005, 28, 915-924.	4.2	58