Jianan Xia

List of Publications by Year
in descending order

108 papers	2,773 citations	236925 25 h-index	233421 45 g-index
112 all docs	112 docs citations	112 times ranked	3152 citing authors

#	Article	IF	Citations
1	Prevalence, risk factors, and management of dementia and mild cognitive impairment in adults aged 60 years or older in China: a cross-sectional study. Lancet Public Health, The, 2020, 5, e661-e671.	10.0	573
2	Disrupted Topological Organization in White Matter Structural Networks in Amnestic Mild Cognitive Impairment: Relationship to Subtype. Radiology, 2012, 265, 518-527.	7.3	106
3	White Matter Integrity Disruptions Associated With Cognitive Impairments in Type 2 Diabetic Patients. Diabetes, 2014, 63, 3596-3605.	0.6	105
4	Enhancement of teaching outcome through neural prediction of the students' knowledge state. Human Brain Mapping, 2018, 39, 3046-3057.	3.6	97
5	Brain mechanisms underlying neuropsychiatric symptoms in Alzheimer's disease: a systematic review of symptom-general and –specific lesion patterns. Molecular Neurodegeneration, 2021, 16, 38.	10.8	80
6	Disrupted Frontoparietal Network Mediates White Matter Structure Dysfunction Associated with Cognitive Decline in Hypertension Patients. Journal of Neuroscience, 2015, 35, 10015-10024.	3.6	78
7	Prevalence of and Potential Risk Factors for Mild Cognitive Impairment in Community‐Dwelling Residents of Beijing. Journal of the American Geriatrics Society, 2013, 61, 2111-2119.	2.6	75
8	Amnestic Mild Cognitive Impairment: Topological Reorganization of the Default-Mode Network. Radiology, 2013, 268, 501-514.	7.3	62
9	Disrupted Functional and Structural Networks in Cognitively Normal Elderly Subjects with the APOE É›4 Allele. Neuropsychopharmacology, 2015, 40, 1181-1191.	5.4	60
10	The positive impacts of early-life education on cognition, leisure activity, and brain structure in healthy aging. Aging, 2019, 11, 4923-4942.	3.1	54
11	Altered Brain Activation Patterns Under Different Working Memory Loads in Patients With Type 2 Diabetes. Diabetes Care, 2014, 37, 3157-3163.	8.6	52
12	MULTISCALE ENTROPY ANALYSIS OF TRAFFIC TIME SERIES. International Journal of Modern Physics C, 2013, 24, 1350006.	1.7	49
13	Aggravated Cognitive and Brain Functional Impairment in Mild Cognitive Impairment Patients with Type 2 Diabetes: A Resting-State Functional MRI Study. Journal of Alzheimer's Disease, 2014, 41, 925-935.	2.6	49
14	Permutation and weighted-permutation entropy analysis for the complexity of nonlinear time series. Communications in Nonlinear Science and Numerical Simulation, 2016, 31, 60-68.	3.3	48
15	Classifying of financial time series based on multiscale entropy and multiscale time irreversibility. Physica A: Statistical Mechanics and Its Applications, 2014, 400, 151-158.	2.6	46
16	MULTISCALE ENTROPY ANALYSIS OF FINANCIAL TIME SERIES. Fluctuation and Noise Letters, 2012, 11, 1250033.	1.5	40
17	Selectively Disrupted Functional Connectivity Networks in Type 2 Diabetes Mellitus. Frontiers in Aging Neuroscience, 2015, 7, 233.	3.4	39
18	Disrupted White Matter Network and Cognitive Decline in Type 2 Diabetes Patients. Journal of Alzheimer's Disease, 2016, 53, 185-195.	2.6	39

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19	The Contribution of Genetic Factors to Cognitive Impairment and Dementia: Apolipoprotein E Gene, Gene Interactions, and Polygenic Risk. International Journal of Molecular Sciences, 2019, 20, 1177.	4.1	39
20	Estimation of local scale exponents for heartbeat time series based on DFA. Nonlinear Dynamics, 2013, 74, 1183-1190.	5.2	38
21	Severity of white matter hyperintensities: Lesion patterns, cognition, and microstructural changes. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2454-2463.	4.3	37
22	Association of White Matter Integrity and Cognitive Functions in Patients With Subcortical Silent Lacunar Infarcts. Stroke, 2015, 46, 1123-1126.	2.0	35
23	EMD based refined composite multiscale entropy analysis of complex signals. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 583-593.	2.6	33
24	Baicalin administration is effective in positive regulation of twenty-four ischemia/reperfusion-related proteins identified by a proteomic study. Neurochemistry International, 2009, 54, 488-496.	3.8	31
25	Early prevention of cognitive impairment in the community population: The Beijing Aging Brain Rejuvenation Initiative. Alzheimer's and Dementia, 2021, 17, 1610-1618.	0.8	28
26	Structural and Functional Brain Changes in the Default Mode Network in Subtypes of Amnestic Mild Cognitive Impairment. Journal of Geriatric Psychiatry and Neurology, 2014, 27, 188-198.	2.3	27
27	Default Mode Network Connectivity and Related White Matter Disruption in Type 2 Diabetes Mellitus Patients Concurrent with Amnestic Mild Cognitive Impairment. Current Alzheimer Research, 2017, 14, 1238-1246.	1.4	27
28	White Matter Microstructural Change Contributes to Worse Cognitive Function in Patients With Type 2 Diabetes. Diabetes, 2019, 68, 2085-2094.	0.6	26
29	Aberrant Functional Networks Connectivity and Structural Atrophy in Silent Lacunar Infarcts: Relationship with Cognitive Impairments. Journal of Alzheimer's Disease, 2014, 42, 841-850.	2.6	24
30	Dysfunctional organization of default mode network before memory impairments in type 2 diabetes. Psychoneuroendocrinology, 2016, 74, 141-148.	2.7	23
31	Early Frontal Structural and Functional Changes in Mild White Matter Lesions Relevant to Cognitive Decline. Journal of Alzheimer's Disease, 2014, 40, 123-134.	2.6	22
32	Network topology and machine learning analyses reveal microstructural white matter changes underlying Chinese medicine Dengzhan Shengmai treatment on patients with vascular cognitive impairment. Pharmacological Research, 2020, 156, 104773.	7.1	22
33	Age-Related Decline in the Topological Efficiency of the Brain Structural Connectome and Cognitive Aging. Cerebral Cortex, 2020, 30, 4651-4661.	2.9	22
34	Effects of APOE promoter polymorphism on the topological organization of brain structural connectome in nondemented elderly. Human Brain Mapping, 2015, 36, 4847-4858.	3.6	21
35	Add-On Chinese Medicine for Coronavirus Disease 2019 (ACCORD): A Retrospective Cohort Study of Hospital Registries. The American Journal of Chinese Medicine, 2021, 49, 543-575.	3.8	21
36	Disrupted white matter structure underlies cognitive deficit in hypertensive patients. European Radiology, 2016, 26, 2899-2907.	4.5	20

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37	Long-term efficacy of Chinese medicine Bushen Capsule on cognition and brain activity in patients with amnestic mild cognitive impairment. Pharmacological Research, 2019, 146, 104319.	7.1	20
38	Trajectories of Age-Related Cognitive Decline and Potential Associated Factors of Cognitive Function in Senior Citizens of Beijing. Current Alzheimer Research, 2014, 11, 806-816.	1.4	20
39	The Effects of CCRC on Cognition and Brain Activity in aMCI Patients: A Pilot Placebo Controlled BOLD fMRI Study. Current Alzheimer Research, 2014, 11, 484-493.	1.4	20
40	The Effects of an *APOE* Promoter Polymorphism on Human Cortical Morphology during Nondemented Aging. Journal of Neuroscience, 2015, 35, 1423-1431.	3.6	19
41	Aberrant White Matter Networks Mediate Cognitive Impairment in Patients with Silent Lacunar Infarcts in Basal Ganglia Territory. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1426-1434.	4.3	18
42	A Two-Year Treatment of Amnestic Mild Cognitive Impairment using a Compound Chinese Medicine: A Placebo Controlled Randomized Trial. Scientific Reports, 2016, 6, 28982.	3.3	18
43	Disrupted Brain Structural Connectivity: Pathological Interactions Between Genetic APOE Îµ4 Status and Developed MCI Condition. Molecular Neurobiology, 2017, 54, 6999-7007.	4.0	18
44	Precuneus degeneration in nondemented elderly individuals with *APOE* É›4: Evidence from structural and functional MRI analyses. Human Brain Mapping, 2017, 38, 271-282.	3.6	18
45	Association of White Matter Integrity andÂCognitive Functions in Chinese Non-Demented Elderly with the APOEÂÉ›4ÂAllele. Journal of Alzheimer's Disease, 2015, 48, 781-791.	2.6	17
46	Identification of Methylated Gene Biomarkers in Patients with Alzheimerâ€™s Disease Based on Machine Learning. BioMed Research International, 2020, 2020, 1-11.	1.9	17
47	Impacts of High Serum Total Cholesterol Level on Brain Functional Connectivity inÂNon-Demented Elderly. Journal of Alzheimer's Disease, 2016, 50, 455-463.	2.6	16
48	Time irreversibility and intrinsics revealing of series with complex network approach. Physica A: Statistical Mechanics and Its Applications, 2018, 499, 241-249.	2.6	16
49	Inflection Point in Course of Mild Cognitive Impairment: Increased Functional Connectivity of Default Mode Network. Journal of Alzheimer's Disease, 2017, 60, 679-690.	2.6	15
50	Relationship between the disrupted topological efficiency of the structural brain connectome and glucose hypometabolism in normal aging. NeuroImage, 2021, 226, 117591.	4.2	15
51	Sex Moderates the Effects of the Sorl1 Gene rs2070045 Polymorphism on Cognitive Impairment and Disruption of the Cingulum Integrity in Healthy Elderly. Neuropsychopharmacology, 2015, 40, 1519-1527.	5.4	14
52	Traffic signals analysis using qSDiff and qHDiff with surrogate data. Communications in Nonlinear Science and Numerical Simulation, 2015, 28, 98-108.	3.3	14
53	Disrupted Functional Connectivity Related to Differential Degeneration of the Cingulum Bundle in Mild Cognitive Impairment Patients. Current Alzheimer Research, 2015, 12, 255-265.	1.4	14
54	The TT allele of rs405509 synergizes with APOE ?4 in the impairment of cognition and its underlying default mode network in non-demented elderly. Current Alzheimer Research, 2016, 13, 708-717.	1.4	14

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55	The Effects of Bushen Capsule on Episodic Memory in Amnestic Mild Cognitive Impairment Patients: A Pilot Placebo Controlled fMRI Study. Journal of Alzheimer's Disease, 2015, 46, 665-676.	2.6	13
56	A far-red fluorescent probe for sensing laccase in fungi and its application in developing an effective biocatalyst for the biosynthesis of antituberculous dicoumarin. Chemical Communications, 2019, 55, 3951-3954.	4.1	13
57	Accelerating Structural Degeneration in Temporal Regions and Their Effects on Cognition in Aging of MCI Patients. Cerebral Cortex, 2020, 30, 326-338.	2.9	13
58	Differences in Functional Brain Activation and Hippocampal Volume Among Amnestic Mild Cognitive Impairment Subtypes. Current Alzheimer Research, 2013, 10, 1080-1089.	1.4	13
59	Ameliorative effects of baicalein on an amyloid-β induced Alzheimer's disease rat model: a proteomics study. Current Alzheimer Research, 2014, 11, 869-81.	1.4	13
60	The Effects of an APOE Promoter Polymorphism on Human White Matter Connectivity during Non-Demented Aging. Journal of Alzheimer's Disease, 2016, 55, 77-87.	2.6	12
61	Dengzhan Shengmai capsules and their active component scutellarin prevent cognitive decline in APP/PS1 mice by accelerating Aβ aggregation and reducing oligomers formation. Biomedicine and Pharmacotherapy, 2020, 121, 109682.	5.6	12
62	Sex Differences in Cortical Morphometry and White Matter Microstructure During Brain Aging and Their Relationships to Cognition. Cerebral Cortex, 2021, 31, 5253-5262.	2.9	12
63	<i><scp>SORL</scp>1</i> rs1699102 polymorphism modulates age‐related cognitive decline and gray matter volume reduction in non‐demented individuals. European Journal of Neurology, 2017, 24, 187-194.	3.3	11
64	Multiscale Analysis of Time Irreversibility Based on Phase-Space Reconstruction and Horizontal Visibility Graph Approach. Fluctuation and Noise Letters, 2018, 17, 1850006.	1.5	11
65	<i>APOE</i> influences working memory in non‐demented elderly through an interaction with <i>SPON1</i> rs2618516. Human Brain Mapping, 2018, 39, 2859-2867.	3.6	11
66	Organic anion transporter 3 (OAT3)-mediated transport of dicaffeoylquinic acids and prediction of potential drug-drug interaction. European Journal of Pharmaceutical Sciences, 2019, 133, 95-103.	4.0	11
67	The Interactive Effects of Age and PICALM rs541458 Polymorphism on Cognitive Performance, Brain Structure, and Function in Non-demented Elderly. Molecular Neurobiology, 2018, 55, 1271-1283.	4.0	10
68	Brain Network Connectivity Mediates Education-related Cognitive Performance in Healthy Elderly Adults. Current Alzheimer Research, 2018, 16, 19-28.	1.4	10
69	Shenqi Yizhi granules protect hippocampus of AD transgenic mice by modulating on multiple pathological processes. Journal of Ethnopharmacology, 2020, 263, 112869.	4.1	9
70	Subcortical Hypermetabolism Associated With Cortical Hypometabolism Is a Common Metabolic Pattern in Patients With Anti-Leucine-Rich Glioma-Inactivated 1 Antibody Encephalitis. Frontiers in Immunology, 2021, 12, 672846.	4.8	9
71	Brain structural and functional anomalies associated with simultanagnosia in patients with posterior cortical atrophy. Brain Imaging and Behavior, 2022, 16, 1148-1162.	2.1	9
72	Methodological evaluation of individual cognitive prediction based on the brain white matter structural connectome. Human Brain Mapping, 2022, 43, 3775-3791.	3.6	9

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73	Compositional segmentation of time series in the financial markets. Applied Mathematics and Computation, 2015, 268, 399-412.	2.2	8
74	Compositional segmentation and complexity measurement in stock indices. Physica A: Statistical Mechanics and Its Applications, 2016, 442, 67-73.	2.6	8
75	Accelerated Brain Aging in Amnestic Mild Cognitive Impairment: Relationships with Individual Cognitive Decline, Risk Factors for Alzheimer Disease, and Clinical Progression. Radiology: Artificial Intelligence, 2021, 3, e200171.	5.8	8
76	Community-based Model for Dementia Risk Screening: The Beijing Aging Brain Rejuvenation Initiative (BABRI) Brain Health System. Journal of the American Medical Directors Association, 2021, 22, 1500-1506.e3.	2.5	7
77	TCMPR: TCM Prescription Recommendation Based on Subnetwork Term Mapping and Deep Learning. BioMed Research International, 2022, 2022, 1-12.	1.9	7
78	Tongluo Xingnao Effervescent Tablet preserves mitochondrial energy metabolism and attenuates cognition deficits in APPswe/PS1De9 mice. Neuroscience Letters, 2016, 630, 101-108.	2.1	5
79	The coupling analysis between stock market indices based on permutation measures. Physica A: Statistical Mechanics and Its Applications, 2016, 447, 222-231.	2.6	5
80	A comprehensive segmentation analysis of crude oil market based on time irreversibility. Physica A: Statistical Mechanics and Its Applications, 2016, 450, 104-114.	2.6	5
81	<i>Î²</i>â€Glucuronidaseâ€and <scp>OATP2B1</scp>â€mediated drug interaction of scutellarin in Dengzhan Xixin Injection: A formulation aspect. Drug Development Research, 2020, 81, 609-619.	2.9	5
82	Inverse sample entropy analysis for stock markets. Nonlinear Dynamics, 2021, 103, 741-758.	5.2	5
83	Disrupted anterior and posterior hippocampal structural networks correlate impaired verbal memory and spatial memory in different subtypes of mild cognitive impairment. European Journal of Neurology, 2021, 28, 3955-3964.	3.3	5
84	Dengzhanxixin Injection Ameliorates Cognitive Impairment Through a Neuroprotective Mechanism Based on Mitochondrial Preservation in Patients With Acute Ischemic Stroke. Frontiers in Pharmacology, 2021, 12, 712436.	3.5	5
85	The Anterior-posterior Functional Connectivity Disconnection in the Elderly with Subjective Memory Impairment and Amnestic Mild Cognitive Impairment. Current Alzheimer Research, 2020, 17, 373-381.	1.4	5
86	APOE Îµ4 allele accelerates age-related multi-cognitive decline and white matter damage in non-demented elderly. Aging, 2020, 12, 12019-12031.	3.1	5
87	Progressive Brain Degeneration From Subjective Cognitive Decline to Amnestic Mild Cognitive Impairment: Evidence From Large-Scale Anatomical Connection Classification Analysis. Frontiers in Aging Neuroscience, 2021, 13, 687530.	3.4	4
88	The Associations Between White Matter Disruptions and Cognitive Decline at the Early Stage of Subcortical Vascular Cognitive Impairment: A Caseâ€"Control Study. Frontiers in Aging Neuroscience, 2021, 13, 681208.	3.4	4
89	TCMPR: TCM Prescription recommendation based on subnetwork term mapping and deep learning. , 2021, , .		4
90	The positive effects of Xueshuan Xinmai tablets on brain functional connectivity in acute ischemic stroke: a placebo controlled randomized trial. Scientific Reports, 2017, 7, 15244.	3.3	3

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91	Disrupted White Matter Networks from Subjective Memory Impairment to Amnestic Mild Cognitive Impairment. Current Alzheimer Research, 2021, 18, 35-44.	1.4	3
92	Phenonizer: A Fine-Grained Phenotypic Named Entity Recognizer for Chinese Clinical Texts. BioMed Research International, 2022, 2022, 1-12.	1.9	3
93	White Matter Integrity Involvement in the Preclinical Stage of Familial Creutzfeldtâ€"Jakob Disease: A Diffusion Tensor Imaging Study. Frontiers in Aging Neuroscience, 2021, 13, 655667.	3.4	2
94	Longitudinal clinical trajectory analysis of individuals before and after diagnosis of Type 2 Diabetes Mellitus (T2DM) indicates that vascular problems start early. International Journal of Clinical Practice, 2021, 75, e14695.	1.7	2
95	The therapeutic effect of Xueshuan Xinmai tablets on memory injury and brain activity in post-stroke patients: a pilot placebo controlled fMRI study. International Journal of Clinical and Experimental Medicine, 2015, 8, 7507-16.	1.3	2
96	Dementia and mild cognitive impairment in China: From the public health perspective. Alzheimer's and Dementia, 2021, 17, .	0.8	2
97	Specific structuro-metabolic pattern of thalamic subnuclei in fatal familial insomnia: A PET/MRI imaging study. NeuroImage: Clinical, 2022, 34, 103026.	2.7	2
98	Network Pharmacology and Molecular Docking-Based Strategy to Investigate the Multitarget Mechanisms of Shenqi Yizhi Granule on Alzheimerâ€™s Disease. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-14.	1.2	2
99	[P1â€"453]: INCREASED FUNCTIONAL CONNECTIVITY OF DEFAULT MODE NETWORK IN PATIENTS WITH MODERATE AMNESTIC MILD COGNITIVE IMPAIRMENT: INFLECTION POINT IN COURSE OF DISEASE. Alzheimer's and Dementia, 2017, 13, P460.	0.8	1
100	Deficiency in anterior-posterior connectivity of default-mode network in amnestic mild cognitive impairment: A combined task-related and resting-state fMRI study. , 2011, , .		0
101	[P4â€"294]: ENHANCED PARIETALâ€CINGULATE CONNECTIVITY FOLLOWING ALTERED CORTICAL ACTIVATION IMPROVES WORKING MEMORY PERFORMANCE IN OLD AGE. Alzheimer's and Dementia, 2017, 13, P1401.	0.8	0
102	[P1â€"164]: AGE MODERATES EFFECTS OF <i>PICALM</i> RS541458 ON COGNITIVE IMPAIRMENT AND BRAIN STRUCTURE AND FUNCTIONS. Alzheimer's and Dementia, 2017, 13, P306.	0.8	0
103	P2â€416: STRUCTURAL ABNORMALITIES OF LIMBIC SYSTEM SERVE AS POTENTIAL BIOMARKERS FOR THE ONSET AND PROGRESSION OF MILD COGNITIVE IMPAIRMENT. Alzheimer's and Dementia, 2018, 14, P868.	0.8	0
104	P1â€436: EFFECT OF <i>APOE Îµ4</i> ON BRAIN STRUCTURE AND FUNCTION IN THE TEMPORAL REGIONS IN ELDERLY INDIVIDUALS WITH HYPERTENSION. Alzheimer's and Dementia, 2018, 14, P477.	0.8	0
105	ICâ€Pâ€133: STRUCTURAL ABNORMALITIES OF LIMBIC SYSTEM SERVE AS POTENTIAL BIOMARKERS FOR THE ONSET AND PROGRESS OF MILD COGNITIVE IMPAIRMENT. Alzheimer's and Dementia, 2018, 14, P110.	0.8	0
106	Prediction of longitudinal clinical status changes in mild cognitive impairment by network structural covariance. Alzheimer's and Dementia, 2020, 16, e037162.	0.8	0
107	Female-specific effects of the catechol-O-methyl transferase Val158Met gene polymorphism on working memory-related brain function. Aging, 2020, 12, 23900-23916.	3.1	0
108	Altered functional coupling between the cerebellum and cerebrum in patients with amnestic mild cognitive impairment. Cerebral Cortex, 2023, 33, 2061-2074.	2.9	0