Yong Liu

List of Publications by Year
in descending order

137	8,716	50276	48315
papers	citations	46 h-index	88 g-index

145	145	145	10291
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Disrupted small-world networks in schizophrenia. Brain, 2008, 131, 945-961.	7.6	944
2	Brain Anatomical Network and Intelligence. PLoS Computational Biology, 2009, 5, e1000395.	3.2	544
3	Brain spontaneous functional connectivity and intelligence. NeuroImage, 2008, 41, 1168-1176.	4.2	301
4	Altered resting-state functional connectivity and anatomical connectivity of hippocampus in schizophrenia. Schizophrenia Research, 2008, 100, 120-132.	2.0	289
5	Functional dysconnectivity of the dorsolateral prefrontal cortex in first-episode schizophrenia using resting-state fMRI. Neuroscience Letters, 2007, 417, 297-302.	2.1	286
6	Whole brain functional connectivity in the early blind. Brain, 2007, 130, 2085-2096.	7.6	241
7	Regional homogeneity, functional connectivity and imaging markers of Alzheimer's disease: A review of resting-state fMRI studies. Neuropsychologia, 2008, 46, 1648-1656.	1.6	229
8	Altered spontaneous activity in Alzheimer's disease and mild cognitive impairment revealed by Regional Homogeneity. NeuroImage, 2012, 59, 1429-1440.	4.2	227
9	Resting-state functional connectivity of the vermal and hemispheric subregions of the cerebellum with both the cerebral cortical networks and subcortical structures. NeuroImage, 2012, 61, 1213-1225.	4.2	206
10	Impaired Long Distance Functional Connectivity and Weighted Network Architecture in Alzheimer's Disease. Cerebral Cortex, 2014, 24, 1422-1435.	2.9	202
11	Increased neural resources recruitment in the intrinsic organization in major depression. Journal of Affective Disorders, 2010, 121, 220-230.	4.1	197
12	Disrupted Small-World Brain Networks in Moderate Alzheimer's Disease: A Resting-State fMRI Study. PLoS ONE, 2012, 7, e33540.	2.5	192
13	Functional segregation of the human cingulate cortex is confirmed by functional connectivity based neuroanatomical parcellation. NeuroImage, 2011, 54, 2571-2581.	4.2	182
14	Thick Visual Cortex in the Early Blind. Journal of Neuroscience, 2009, 29, 2205-2211.	3.6	178
15	Abnormal salience network in normal aging and in amnestic mild cognitive impairment and Alzheimer's disease. Human Brain Mapping, 2014, 35, 3446-3464.	3.6	176
16	A neural circuit for comorbid depressive symptoms in chronic pain. Nature Neuroscience, 2019, 22, 1649-1658.	14.8	175
17	Convergent functional architecture of the superior parietal lobule unraveled with multimodal neuroimaging approaches. Human Brain Mapping, 2015, 36, 238-257.	3.6	174
18	A neuroimaging biomarker for striatal dysfunction in schizophrenia. Nature Medicine, 2020, 26, 558-565.	30.7	152

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19	Spontaneous Activity Associated with Primary Visual Cortex: A Resting-State fMRI Study. Cerebral Cortex, 2008, 18, 697-704.	2.9	132
20	Altered Anatomical Network in Early Blindness Revealed by Diffusion Tensor Tractography. PLoS ONE, 2009, 4, e7228.	2.5	127
21	Altered functional connectivity of primary visual cortex in early blindness. Human Brain Mapping, 2008, 29, 533-543.	3.6	123
22	White matter tract integrity and intelligence in patients with mental retardation and healthy adults. NeuroImage, 2008, 40, 1533-1541.	4.2	111
23	Impaired Functional Connectivity of the Thalamus in Alzheimer’ s Disease and Mild Cognitive Impairment: A Resting-State fMRI Study. Current Alzheimer Research, 2013, 10, 754-766.	1.4	106
24	Aberrant intra- and inter-network connectivity architectures in Alzheimerâ€™s disease and mild cognitive impairment. Scientific Reports, 2015, 5, 14824.	3.3	99
25	Tractographyâ€based parcellation of the human left inferior parietal lobule. NeuroImage, 2012, 63, 641-652.	4.2	94
26	Brain responses to symptom provocation and trauma-related short-term memory recall in coal mining accident survivors with acute severe PTSD. Brain Research, 2007, 1144, 165-174.	2.2	92
27	Voxel-based meta-analysis of grey matter changes in Alzheimerâ€™s disease. Translational Neurodegeneration, 2015, 4, 6.	8.0	91
28	Functional Connectivity Density in Congenitally and Late Blind Subjects. Cerebral Cortex, 2015, 25, 2507-2516.	2.9	91
29	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
30	Radiomic Features of Hippocampal Subregions in Alzheimerâ€™s Disease and Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2018, 10, 290.	3.4	86
31	The relationship within and between the extrinsic and intrinsic systems indicated by resting state correlational patterns of sensory cortices. NeuroImage, 2007, 36, 684-690.	4.2	78
32	Discriminant analysis of functional connectivity patterns on Grassmann manifold. NeuroImage, 2011, 56, 2058-2067.	4.2	78
33	Decreased functional connectivity of the amygdala in Alzheimer's disease revealed by resting-state fMRI. European Journal of Radiology, 2013, 82, 1531-1538.	2.6	74
34	Altered restingâ€state network connectivity in congenital blind. Human Brain Mapping, 2014, 35, 2573-2581.	3.6	73
35	Radiomics based on multicontrast MRI can precisely differentiate among glioma subtypes and predict tumour-proliferative behaviour. European Radiology, 2019, 29, 1986-1996.	4.5	71
36	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

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37	Altered Intranetwork and Internetwork Functional Connectivity in Type 2 Diabetes Mellitus With and Without Cognitive Impairment. Scientific Reports, 2016, 6, 32980.	3.3	61
38	BRANT: A Versatile and Extendable Resting-State fMRI Toolkit. Frontiers in Neuroinformatics, 2018, 12, 52.	2.5	60
39	Altered Functional Connectivity of the Primary Visual Cortex in Subjects with Amblyopia. Neural Plasticity, 2013, 2013, 1-8.	2.2	57
40	Longitudinal Study of Impaired Intra- and Inter-Network Brain Connectivity in Subjects at High Risk for Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 52, 913-927.	2.6	54
41	Convergent and divergent intranetwork and internetwork connectivity patterns in patients with remitted late-life depression and amnestic mild cognitive impairment. Cortex, 2016, 83, 194-211.	2.4	53
42	Generalizable, Reproducible, and Neuroscientifically Interpretable Imaging Biomarkers for Alzheimer's Disease. Advanced Science, 2020, 7, 2000675.	11.2	53
43	Altered White Matter Integrity in the Congenital and Late Blind People. Neural Plasticity, 2013, 2013, 1-8.	2.2	52
44	Age-related decrease in functional connectivity of the right fronto-insular cortex with the central executive and default-mode networks in adults from young to middle age. Neuroscience Letters, 2013, 544, 74-79.	2.1	51
45	Aberrant Functional Organization within and between Resting-State Networks in AD. PLoS ONE, 2013, 8, e63727.	2.5	51
46	IDH mutation-specific radiomic signature in lower-grade gliomas. Aging, 2019, 11, 673-696.	3.1	51
47	Impaired Parahippocampus Connectivity inÂMild Cognitive Impairment andÂAlzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 49, 1051-1064.	2.6	50
48	The Development of Visual Areas Depends Differently on Visual Experience. PLoS ONE, 2013, 8, e53784.	2.5	49
49	Spontaneous brain activity observed with functional magnetic resonance imaging as a potential biomarker in neuropsychiatric disorders. Cognitive Neurodynamics, 2010, 4, 275-294.	4.0	46
50	Multiple Effect of APOE Genotype on Clinical and Neuroimaging Biomarkers Across Alzheimerâ€™s Disease Spectrum. Molecular Neurobiology, 2016, 53, 4539-4547.	4.0	46
51	Grey-matter volume as a potential feature for the classification of Alzheimerâ€™s disease and mild cognitive impairment: an exploratory study. Neuroscience Bulletin, 2014, 30, 477-489.	2.9	45
52	Aberrant Functional Connectivity Architecture in Participants with Chronic Insomnia Disorder Accompanying Cognitive Dysfunction: A Whole-Brain, Data-Driven Analysis. Frontiers in Neuroscience, 2017, 11, 259.	2.8	45
53	Altered Spontaneous Activity in Anisometropic Amblyopia Subjects: Revealed by Resting-State fMRI. PLoS ONE, 2012, 7, e43373.	2.5	44
54	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

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55	Age of Onset of Blindness Affects Brain Anatomical Networks Constructed Using Diffusion Tensor Tractography. Cerebral Cortex, 2013, 23, 542-551.	2.9	41
56	Perceptual and response interference in Alzheimerâ€™s disease and mild cognitive impairment. Clinical Neurophysiology, 2013, 124, 2389-2396.	1.5	40
57	Linked 4-Way Multimodal Brain Differences in Schizophrenia in a Large Chinese Han Population. Schizophrenia Bulletin, 2019, 45, 436-449.	4.3	38
58	<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
59	Connectivity Profiles Reveal a Transition Subarea in the Parahippocampal Region That Integrates the Anterior Temporalâ€“Posterior Medial Systems. Journal of Neuroscience, 2016, 36, 2782-2795.	3.6	37
60	Polygenic risk for Alzheimer's disease influences precuneal volume in two independent general populations. Neurobiology of Aging, 2018, 64, 116-122.	3.1	35
61	Attention-based 3D Convolutional Network for Alzheimerâ€™s Disease Diagnosis and Biomarkers Exploration. , 2019, , .		33
62	Increased regional homogeneity of blood oxygen level-dependent signals in occipital cortex of early blind individuals. NeuroReport, 2011, 22, 190-194.	1.2	31
63	Multimodal Voxel-Based Meta-Analysis of White Matter Abnormalities in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2015, 47, 495-507.	2.6	31
64	Aberrant Functional Connectivity Architecture in Alzheimerâ€™s Disease and Mild Cognitive Impairment: A Whole-Brain, Data-Driven Analysis. BioMed Research International, 2015, 2015, 1-9.	1.9	30
65	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
66	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
67	Alterations of Regional Spontaneous Brain Activity and Gray Matter Volume in the Blind. Neural Plasticity, 2015, 2015, 1-12.	2.2	29
68	Haplotypes of catechol-O-methyltransferase modulate intelligence-related brain white matter integrity. NeuroImage, 2010, 50, 243-249.	4.2	28
69	Core networks and their reconfiguration patterns across cognitive loads. Human Brain Mapping, 2018, 39, 3546-3557.	3.6	27
70	Altered Functional Connectivity of the Primary Visual Cortex in Adult Comitant Strabismus: A Resting-State Functional MRI Study. Current Eye Research, 2019, 44, 316-323.	1.5	27
71	Longitudinal Alteration of Amygdalar Functional Connectivity in Mild Cognitive Impairment Subjects Revealed by Resting-State fMRI. Brain Connectivity, 2014, 4, 361-370.	1.7	26
72	Cortical structure and the risk for Alzheimerâ€™s disease: a bidirectional Mendelian randomization study. Translational Psychiatry, 2021, 11, 476.	4.8	26

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73	Default network and intelligence difference. , 2009, 2009, 2212-5.		25
74	Brainnetome-wide association studies in schizophrenia: The advances and future. Neuroscience and Biobehavioral Reviews, 2013, 37, 2818-2835.	6.1	25
75	Structural and Functional Reorganization Within Cognitive Control Network Associated With Protection of Executive Function in Patients With Unilateral Frontal Gliomas. Frontiers in Oncology, 2020, 10, 794.	2.8	25
76	Distinct Changes in Functional Connectivity in Posteromedial Cortex Subregions during the Progress of Alzheimerâ€™s Disease. Frontiers in Neuroanatomy, 2016, 10, 41.	1.7	24
77	ASAF: altered spontaneous activity fingerprinting in Alzheimerâ€™s disease based on multisite fMRI. Science Bulletin, 2019, 64, 998-1010.	9.0	24
78	Rapid eye movement sleep behavior disorder in patients with probable Alzheimerâ€™s disease. Aging Clinical and Experimental Research, 2016, 28, 951-957.	2.9	23
79	Default Network and Intelligence Difference. IEEE Transactions on Autonomous Mental Development, 2009, 1, 101-109.	1.6	22
80	Network-Based Statistic Show Aberrant Functional Connectivity in Alzheimer's Disease. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1182-1188.	10.8	22
81	Altered Functional Connectivity of the Marginal Division in Alzheimerâ€™s Disease. Current Alzheimer Research, 2014, 11, 145-155.	1.4	22
82	Regional Radiomics Similarity Networks Reveal Distinct Subtypes and Abnormality Patterns in Mild Cognitive Impairment. Advanced Science, 2022, 9, e2104538.	11.2	21
83	Four Distinct Subtypes of Alzheimerâ€™s Disease Based on Resting-State Connectivity Biomarkers. Biological Psychiatry, 2023, 93, 759-769.	1.3	20
84	Regional Homogeneity and Anatomical Parcellation for fMRI Image Classification: Application to Schizophrenia and Normal Controls. , 2007, 10, 136-143.		19
85	Quantitative Radiomic Features as New Biomarkers for Alzheimerâ€™s Disease: An Amyloid PET Study. Cerebral Cortex, 2021, 31, 3950-3961.	2.9	18
86	Multimodal Representations Learning and Adversarial Hypergraph Fusion for Early Alzheimerâ€™s Disease Prediction. Lecture Notes in Computer Science, 2021, , 479-490.	1.3	16
87	Dysfunctional Architecture Underlies White Matter Hyperintensities with and without Cognitive Impairment. Journal of Alzheimer's Disease, 2019, 71, 461-476.	2.6	15
88	Sculpting the Intrinsic Modular Organization of Spontaneous Brain Activity by Art. PLoS ONE, 2013, 8, e66761.	2.5	15
89	An MRI-based radiomics-clinical nomogram for the overall survival prediction in patients with hypopharyngeal squamous cell carcinoma: a multi-cohort study. European Radiology, 2022, 32, 1548-1557.	4.5	15
90	Accelerating Brain 3D T1-Weighted Turbo Field Echo MRI Using Compressed Sensing-Sensitivity Encoding (CS-SENSE). European Journal of Radiology, 2020, 131, 109255.	2.6	14

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91	Default mode network integrity changes contribute to cognitive deficits in subcortical vascular cognitive impairment, no dementia. Brain Imaging and Behavior, 2021, 15, 255-265.	2.1	14
92	AI4AD: Artificial intelligence analysis for Alzheimer's disease classification based on a multisite DTI database. Brain Disorders, 2021, 1, 100005.	1.7	14
93	Cortical and Subcortical Grey Matter Abnormalities in White Matter Hyperintensities and Subsequent Cognitive Impairment. Neuroscience Bulletin, 2021, 37, 789-803.	2.9	14
94	Aberrant Hippocampal Functional Connectivity Is Associated with Fornix White Matter Integrity in Alzheimerâ€™s Disease and Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2020, 75, 1153-1168.	2.6	14
95	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
96	Both activated and lessâ€activated regions identified by functional <scp>MRI</scp> reconfigure to support task executions. Brain and Behavior, 2018, 8, e00893.	2.2	13
97	Intrinsic connectivity identifies the sensory-motor network as a main cross-network between remitted late-life depression- and amnestic mild cognitive impairment-targeted networks. Brain Imaging and Behavior, 2020, 14, 1130-1142.	2.1	13
98	Visual deprivation selectively reshapes the intrinsic functional architecture of the anterior insula subregions. Scientific Reports, 2017, 7, 45675.	3.3	12
99	Episodic Memoryâ€“Related Imaging Features as Valuable Biomarkers for the Diagnosis of Alzheimerâ€™s Disease: A Multicenter Study Based on Machine Learning. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 171-180.	1.5	12
100	Regional radiomics similarity networks (R2SNs) in the human brain: Reproducibility, small-world properties and a biological basis. Network Neuroscience, 2021, 5, 1-15.	2.6	11
101	Modified periodogram method for estimating the Hurst exponent of fractional Gaussian noise. Physical Review E, 2009, 80, 066207.	2.1	10
102	Predicting brain age during typical and atypical development based on structural and functional neuroimaging. Human Brain Mapping, 2021, 42, 5943-5955.	3.6	10
103	Parcellation of the primary cerebral cortices based on local connectivity profiles. Frontiers in Neuroanatomy, 2015, 9, 50.	1.7	9
104	Brain regions associated with telomerase reverse transcriptase promoter mutations in primary glioblastomas. Journal of Neuro-Oncology, 2016, 128, 455-462.	2.9	9
105	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
106	Multimodal Magnetic Resonance Imaging for Brain Disorders: Advances and Perspectives. Brain Imaging and Behavior, 2008, 2, 249-257.	2.1	8
107	Co-activation Probability Estimation (CoPE): An approach for modeling functional co-activation architecture based on neuroimaging coordinates. NeuroImage, 2015, 117, 397-407.	4.2	8
108	Anatomical specificity of vascular endothelial growth factor expression in glioblastomas: a voxel-based mapping analysis. Neuroradiology, 2016, 58, 69-75.	2.2	8

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109	Multisite schizophrenia classification by integrating structural magnetic resonance imaging data with polygenic risk score. NeuroImage: Clinical, 2021, 32, 102860.	2.7	8
110	Enhanced Functional Coupling of Hippocampal Sub-regions in Congenitally and Late Blind Subjects. Frontiers in Neuroscience, 2016, 10, 612.	2.8	7
111	KIBRA and APOE Gene Variants Affect Brain Functional Network Connectivity in Healthy Older People. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1725-1733.	3.6	7
112	Disrupted Small-world Networks are Associated with Decreased Vigilant Attention after Total Sleep Deprivation. Neuroscience, 2021, 471, 51-60.	2.3	6
113	Mapping cerebral atrophic trajectory from amnestic mild cognitive impairment to Alzheimerâ€™s disease. Cerebral Cortex, 2023, 33, 1310-1327.	2.9	6
114	Test-retest Reliability of Functional Connectivity and Graph Metrics in the Resting Brain Network. , 2018, 2018, 1028-1031.		4
115	Hippocampal and Amygdalar Morphological Abnormalities in Alzheimerâ€™s Disease Based on Three Chinese MRI Datasets. Current Alzheimer Research, 2021, 17, 1221-1231.	1.4	4
116	New Trajectory of Clinical and Biomarker Changes in Sporadic Alzheimerâ€™s Disease. Cerebral Cortex, 2021, 31, 3363-3373.	2.9	4
117	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
118	Altered Static and Dynamic Voxel-mirrored Homotopic Connectivity in Patients with Frontal Glioma. Neuroscience, 2022, 490, 79-88.	2.3	4
119	Impaired episodic memory network in subjects at high risk for Alzheimer's disease. , 2016, 2016, 4017-4020.		3
120	A systematic analysis of diagnostic performance for Alzheimer's disease using structural MRI. Psychoradiology, 2022, 2, 1-9.	2.3	3
121	Early classification of Alzheimer's disease using hippocampal texture from structural MRI. Proceedings of SPIE, 2017, , .	0.8	2
122	Characterizing White Matter Connectivity in Alzheimerâ€™s Disease and Mild Cognitive Impairment: Automated Fiber Quantification. , 2019, , .		2
123	The Efficacy of COGnitive tRaining in patiEnts with Amnestic mild coGnitive impairmENT (COG-REAGENT): Protocol for a Multi-Center Randomized Controlled Trial. Journal of Alzheimer's Disease, 2020, 75, 779-787.	2.6	2
124	A High-Powered Brain Age Prediction Model Based on Convolutional Neural Network. , 2020, , .		2
125	No differences in brain microstructure between young KIBRA-C carriers and non-carriers. Oncotarget, 2018, 9, 1200-1209.	1.8	1
126	Multi-template Neuroimaging Feature Selection Using Weight-constrained Low-rank Learning for Alzheimerâ€™s Disease Classification. , 2021, , .		1

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127	Impaired time-distance reconfiguration patterns in Alzheimer's disease: a dynamic functional connectivity study with 809 individuals from 7 sites. BMC Bioinformatics, 2022, 23, .	2.6	1
128	Brain Network Architecture and Plasticity: MR Neuroimaging Perspectives. Neural Plasticity, 2016, 2016, 1-2.	2.2	0
129	P1â€481: DEFAULT MODE NETWORK CONNECTIVITY CHANGE DETECTED BY DIFFUSION TENSOR IMAGING CONTRIBUTES TO COGNITIVE IMPAIRMENTS IN VASCULAR COGNITIVE IMPAIRMENT, NO DEMENTIA. Alzheimer's and Dementia, 2018, 14, P510.	0.8	0
130	P3â€360: IMPAIRED BRAIN SPONTANEOUS ACTIVITY OF ALZHEIMER DISEASE REVEALED BY MULTICENTER RESTING FMRI (N=688). Alzheimer's and Dementia, 2018, 14, P1224.	0.8	0
131	ICâ€Pâ€032: INFLUENCE OF NETWORK CONSTRUCTION METHODS ON PATH LENGTH VALUES IN ALZHEIMER'S DISEASE: A MULTIâ€STUDY ANALYSIS OF MRI CONNECTIVITY STUDIES. Alzheimer's and Dementia, 2018, 14, P36.	0.8	0
132	Multipredictor risk models for predicting individual risk of Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e042252.	0.8	0
133	Spontaneous Low-Frequency Fluctuation Observed with Functional Magnetic Resonance Imaging as a Potential Biomarker in Neuropsychiatric Disorders. , 2011, , 47-57.		0
134	Independent and Reproducible Hippocampal Radiomic Biomarkers for Multisite Alzheimer's Disease: Diagnosis, Longitudinal Progress and Biological Basis. SSRN Electronic Journal, 0, , .	0.4	0
135	Altered Connection and Diagnosis Utility of White Matter in Alzheimerâ€™s Disease: A Multi-site Automated Fiber Quantification Study. , 2021, 2021, 2923-2927.		0
136	Understanding Brain Network Dynamics in Autism Begs for Generalization. Biological Psychiatry, 2022, 91, 916-917.	1.3	0
137	Predicting Conversion to Mild Cognitive Impairment in Cognitively Normal with Incomplete Multi-modal Neuroimages. , 2022, , .		0