M Mallar Chakravarty

List of Publications by Year
in descending order

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248 papers	17,838 citations	27035 58 h-index	23173 116 g-index
264 all docs	264 docs citations	264 times ranked	27749 citing authors

#	Article	IF	Citations
1	An anatomically comprehensive atlas of the adult human brain transcriptome. Nature, 2012, 489, 391-399.	13.7	2,321
2	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	13.7	772
3	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182.	1.1	696
4	Identification of common variants associated with human hippocampal and intracranial volumes. Nature Genetics, 2012, 44, 552-561.	9.4	594
5	Correlated gene expression supports synchronous activity in brain networks. Science, 2015, 348, 1241-1244.	6.0	532
6	Resting-state networks link invasive and noninvasive brain stimulation across diverse psychiatric and neurological diseases. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4367-75.	3.3	486
7	Toward defining deep brain stimulation targets in MNI space: A subcortical atlas based on multimodal MRI, histology and structural connectivity. NeuroImage, 2018, 170, 271-282.	2.1	422
8	Multi-atlas segmentation of the whole hippocampus and subfields using multiple automatically generated templates. NeuroImage, 2014, 101, 494-512.	2.1	322
9	Fronto-striatal connections in the human brain: A probabilistic diffusion tractography study. Neuroscience Letters, 2007, 419, 113-118.	1.0	313
10	Performing label-fusion-based segmentation using multiple automatically generated templates. Human Brain Mapping, 2013, 34, 2635-2654.	1.9	311
11	Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: Towards a harmonized segmentation protocol. NeuroImage, 2015, 111, 526-541.	2.1	284
12	The creation of a brain atlas for image guided neurosurgery using serial histological data. NeuroImage, 2006, 30, 359-376.	2.1	271
13	Illness Progression, Recent Stress, and Morphometry of Hippocampal Subfields and Medial Prefrontal Cortex in Major Depression. Biological Psychiatry, 2015, 77, 285-294.	0.7	267
14	A Phase II Study of Fornix Deep Brain Stimulation in Mild Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 54, 777-787.	1.2	263
15	Neurite density from magnetic resonance diffusion measurements at ultrahigh field: Comparison with light microscopy and electron microscopy. NeuroImage, 2010, 49, 205-216.	2.1	245
16	A novel in vivo atlas of human hippocampal subfields using high-resolution 3T magnetic resonance imaging. NeuroImage, 2013, 74, 254-265.	2.1	219
17	BIDS apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods. PLoS Computational Biology, 2017, 13, e1005209.	1.5	218
18	Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582.	7.1	213

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19	Normative brain size variation and brain shape diversity in humans. Science, 2018, 360, 1222-1227.	6.0	194
20	Genetic architecture of subcortical brain structures in 38,851 individuals. Nature Genetics, 2019, 51, 1624-1636.	9.4	192
21	Early Procedural Pain Is Associated with Regionally-Specific Alterations in Thalamic Development in Preterm Neonates. Journal of Neuroscience, 2018, 38, 878-886.	1.7	168
22	Deep Brain Stimulation Influences Brain Structure in Alzheimer's Disease. Brain Stimulation, 2015, 8, 645-654.	0.7	162
23	Kynurenic Acid in Schizophrenia: A Systematic Review and Meta-analysis. Schizophrenia Bulletin, 2017, 43, 764-777.	2.3	159
24	Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis. NeuroImage, 2020, 205, 116278.	2.1	151
25	Brain Energy Metabolism and Blood Flow Differences in Healthy Aging. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1177-1187.	2.4	145
26	Morphological Abnormalities of the Thalamus in Youths With Attention Deficit Hyperactivity Disorder. American Journal of Psychiatry, 2010, 167, 397-408.	4.0	142
27	Large-scale analyses of the relationship between sex, age and intelligence quotient heterogeneity and cortical morphometry in autism spectrum disorder. Molecular Psychiatry, 2020, 25, 614-628.	4.1	141
28	Cortical hypometabolism and hypoperfusion in Parkinsonâ€™s disease is extensive: probably even at early disease stages. Brain Structure and Function, 2010, 214, 303-317.	1.2	140
29	CERES: A new cerebellum lobule segmentation method. NeuroImage, 2017, 147, 916-924.	2.1	133
30	A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals?. Hippocampus, 2017, 27, 3-11.	0.9	130
31	Midazolam dose correlates with abnormal hippocampal growth and neurodevelopmental outcome in preterm infants. Annals of Neurology, 2016, 79, 548-559.	2.8	129
32	Focused ultrasound thalamotomy location determines clinical benefits in patients with essential tremor. Brain, 2018, 141, 3405-3414.	3.7	129
33	Hippocampus and amygdala volumes from magnetic resonance images in children: Assessing accuracy of FreeSurfer and FSL against manual segmentation. NeuroImage, 2016, 129, 1-14.	2.1	128
34	Longitudinally Mapping Childhood Socioeconomic Status Associations with Cortical and Subcortical Morphology. Journal of Neuroscience, 2019, 39, 1365-1373.	1.7	127
35	Morphological Alterations in the Thalamus, Striatum, and Pallidum in Autism Spectrum Disorder. Neuropsychopharmacology, 2016, 41, 2627-2637.	2.8	125
36	Derivation of high-resolution MRI atlases of the human cerebellum at 3T and segmentation using multiple automatically generated templates. NeuroImage, 2014, 95, 217-231.	2.1	122

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37	Functional Consequences of Neurite Orientation Dispersion and Density in Humans across the Adult Lifespan. Journal of Neuroscience, 2015, 35, 1753-1762.	1.7	120
38	Quantitative assessment of white matter injury in preterm neonates. Neurology, 2017, 88, 614-622.	1.5	117
39	The effect of lifelong bilingualism on regional grey and white matter volume. Brain Research, 2015, 1612, 128-139.	1.1	116
40	Glutamate-mediated excitotoxicity in schizophrenia: A review. European Neuropsychopharmacology, 2014, 24, 1591-1605.	0.3	115
41	Alterations of Superficial White Matter in Schizophrenia and Relationship to Cognitive Performance. Neuropsychopharmacology, 2013, 38, 1954-1962.	2.8	113
42	Assessing the risk of central post-stroke pain of thalamic origin by lesion mapping. Brain, 2012, 135, 2536-2545.	3.7	101
43	Hippocampal (subfield) volume and shape in relation to cognitive performance across the adult lifespan. Human Brain Mapping, 2015, 36, 3020-3037.	1.9	101
44	Evidence for Network-Based Cortical Thickness Reductions in Schizophrenia. American Journal of Psychiatry, 2019, 176, 552-563.	4.0	97
45	A dataset of multi-contrast population-averaged brain MRI atlases of a Parkinson×3s disease cohort. Data in Brief, 2017, 12, 370-379.	0.5	94
46	Towards a validation of atlas warping techniques. Medical Image Analysis, 2008, 12, 713-726.	7.0	90
47	Modeling and prediction of clinical symptom trajectories in Alzheimerâ€™s disease using longitudinal data. PLoS Computational Biology, 2018, 14, e1006376.	1.5	88
48	Spatial Patterning of Tissue Volume Loss in Schizophrenia Reflects Brain Network Architecture. Biological Psychiatry, 2020, 87, 727-735.	0.7	87
49	Depression severity is correlated to the integrity of white matter fiber tracts in late-onset major depression. Psychiatry Research - Neuroimaging, 2010, 184, 38-48.	0.9	86
50	Pydpiper: a flexible toolkit for constructing novel registration pipelines. Frontiers in Neuroinformatics, 2014, 8, 67.	1.3	85
51	Hippocampus, Amygdala, and Thalamus Volumes in Very Preterm Children at 8 Years: Neonatal Pain and Genetic Variation. Frontiers in Behavioral Neuroscience, 2019, 13, 51.	1.0	82
52	Procedural pain and oral glucose in preterm neonates: brain development and sex-specific effects. Pain, 2018, 159, 515-525.	2.0	80
53	Further Neuroimaging Evidence for the Deficit Subtype of Schizophrenia. JAMA Psychiatry, 2015, 72, 446.	6.0	79
54	Animal Functional Magnetic Resonance Imaging: Trends and Path Toward Standardization. Frontiers in Neuroinformatics, 2019, 13, 78.	1.3	78

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55	Evaluating accuracy of striatal, pallidal, and thalamic segmentation methods: Comparing automated approaches to manual delineation. NeuroImage, 2018, 170, 182-198.	2.1	75
56	The developing human brain: ageâ€related changes in cortical, subcortical, and cerebellar anatomy. Brain and Behavior, 2016, 6, e00457.	1.0	74
57	Deep Brain Stimulation Targeting the Fornix for Mild Alzheimer Dementia (the ADvance Trial): A Two Year Follow-up Including Results of Delayed Activation. Journal of Alzheimer's Disease, 2018, 64, 597-606.	1.2	69
58	Multi-contrast unbiased MRI atlas of a Parkinsonâ€™s disease population. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 329-341.	1.7	68
59	Comparison of pieceâ€wise linear, linear, and nonlinear atlasâ€toâ€patient warping techniques: Analysis of the labeling of subcortical nuclei for functional neurosurgical applications. Human Brain Mapping, 2009, 30, 3574-3595.	1.9	66
60	Striatal shape abnormalities as novel neurodevelopmental endophenotypes in schizophrenia: A longitudinal study. Human Brain Mapping, 2015, 36, 1458-1469.	1.9	65
61	Superficial white matter as a novel substrate of age-related cognitive decline. Neurobiology of Aging, 2015, 36, 2094-2106.	1.5	65
62	Allometric Analysis Detects Brain Size-Independent Effects of Sex and Sex Chromosome Complement on Human Cerebellar Organization. Journal of Neuroscience, 2017, 37, 5221-5231.	1.7	65
63	An Allometric Analysis of Sex and Sex Chromosome Dosage Effects on Subcortical Anatomy in Humans. Journal of Neuroscience, 2016, 36, 2438-2448.	1.7	64
64	Morphological Abnormalities of Thalamic Subnuclei in Migraine: A Multicenter MRI Study at 3 Tesla. Journal of Neuroscience, 2015, 35, 13800-13806.	1.7	62
65	Neuroanatomical consequences of very preterm birth in middle childhood. Brain Structure and Function, 2013, 218, 575-585.	1.2	60
66	White matter injury in term neonates with congenital heart diseases: Topology & comparison with preterm newborns. NeuroImage, 2019, 185, 742-749.	2.1	60
67	An intrinsic association between olfactory identification and spatial memory in humans. Nature Communications, 2018, 9, 4162.	5.8	59
68	Contributions of a high-fat diet to Alzheimer's disease-related decline: A longitudinal behavioural and structural neuroimaging study in mouse models. NeuroImage: Clinical, 2019, 21, 101606.	1.4	59
69	Neuroanatomical phenotypes in mental illness: identifying convergent and divergent cortical phenotypes across autism, ADHD and schizophrenia. Journal of Psychiatry and Neuroscience, 2018, 43, 201-212.	1.4	59
70	Age- and sex-related variations in vocal-tract morphology and voice acoustics during adolescence. Hormones and Behavior, 2016, 81, 84-96.	1.0	58
71	Larger Amygdala Volume Mediates the Association Between Prenatal Maternal Stress and Higher Levels of Externalizing Behaviors: Sex Specific Effects in Project Ice Storm. Frontiers in Human Neuroscience, 2019, 13, 144.	1.0	58
72	Manual segmentation of the fornix, fimbria, and alveus on high-resolution 3T MRI: Application via fully-automated mapping of the human memory circuit white and grey matter in healthy and pathological aging. NeuroImage, 2018, 170, 132-150.	2.1	55

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73	MRâ€based ageâ€related effects on the striatum, globus pallidus, and thalamus in healthy individuals across the adult lifespan. Human Brain Mapping, 2019, 40, 5269-5288.	1.9	55
74	The role of maternal immune activation in altering the neurodevelopmental trajectories of offspring: A translational review of neuroimaging studies with implications for autism spectrum disorder and schizophrenia. Neuroscience and Biobehavioral Reviews, 2019, 104, 141-157.	2.9	54
75	Can we accurately classify schizophrenia patients from healthy controls using magnetic resonance imaging and machine learning? A multi-method and multi-dataset study. Schizophrenia Research, 2019, 214, 3-10.	1.1	53
76	Electroconvulsive Therapy Alters Dopamine Signaling in the Striatum of Non-human Primates. Neuropsychopharmacology, 2011, 36, 511-518.	2.8	50
77	White and Gray Matter Abnormalities After Cranial Radiation in Children and Mice. International Journal of Radiation Oncology Biology Physics, 2015, 93, 882-891.	0.4	50
78	Levels of glutamatergic neurometabolites in patients with severe treatment-resistant schizophrenia: a proton magnetic resonance spectroscopy study. Neuropsychopharmacology, 2020, 45, 632-640.	2.8	50
79	Cortical morphology in children with alcoholâ€related neurodevelopmental disorder. Brain and Behavior, 2014, 4, 41-50.	1.0	49
80	Lifetime History of Depression Predicts Increased Amyloid-Î² Accumulation in Patients with Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2015, 45, 907-919.	1.2	49
81	Glutamatergic Metabolites, Volume and Cortical Thickness in Antipsychotic-Naive Patients with First-Episode Psychosis: Implications for Excitotoxicity. Neuropsychopharmacology, 2016, 41, 2606-2613.	2.8	48
82	Acute and long-term effects of electroconvulsive therapy on human dentate gyrus. Neuropsychopharmacology, 2019, 44, 1805-1811.	2.8	48
83	From Maternal Diet to Neurodevelopmental Disorders: A Story of Neuroinflammation. Frontiers in Cellular Neuroscience, 2020, 14, 612705.	1.8	47
84	FTO, obesity and the adolescent brain. Human Molecular Genetics, 2013, 22, 1050-1058.	1.4	46
85	Estimating volumes of the pituitary gland from T1-weighted magnetic-resonance images: Effects of age, puberty, testosterone, and estradiol. NeuroImage, 2014, 94, 216-221.	2.1	44
86	Reduced resting-state functional connectivity of the basolateral amygdala to the medial prefrontal cortex in preweaning rats exposed to chronic early-life stress. Brain Structure and Function, 2018, 223, 3711-3729.	1.2	44
87	Gray- and White-Matter Anatomy of Absolute Pitch Possessors. Cerebral Cortex, 2015, 25, 1379-1388.	1.6	43
88	Subcortical Shape Changes, Hippocampal Atrophy and Cortical Thinning in Future Alzheimer's Disease Patients. Frontiers in Aging Neuroscience, 2017, 9, 38.	1.7	43
89	Investigating microstructural variation in the human hippocampus using non-negative matrix factorization. NeuroImage, 2020, 207, 116348.	2.1	43
90	Self-injurious behaviours are associated with alterations in the somatosensory system in children with autism spectrum disorder. Brain Structure and Function, 2014, 219, 1251-1261.	1.2	42

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91	Open science datasets from PREVENT-AD, a longitudinal cohort of pre-symptomatic Alzheimerâ€™s disease. NeuroImage: Clinical, 2021, 31, 102733.	1.4	42
92	Mapping registration sensitivity in MR mouse brain images. NeuroImage, 2013, 82, 226-236.	2.1	41
93	Deep brain stimulation of the ventromedial prefrontal cortex causes reorganization of neuronal processes and vasculature. NeuroImage, 2016, 125, 422-427.	2.1	41
94	Classification of suicide attempters in schizophrenia using sociocultural and clinical features: A machine learning approach. General Hospital Psychiatry, 2017, 47, 20-28.	1.2	41
95	Subjective Cognitive Decline Is Associated With Altered Default Mode Network Connectivity in Individuals With a Family History of Alzheimerâ€™s Disease. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 463-472.	1.1	41
96	Frontotemporoparietal asymmetry and lack of illness awareness in schizophrenia. Human Brain Mapping, 2013, 34, 1035-1043.	1.9	38
97	Adolescent Cocaine Exposure Causes Enduring Macroscale Changes in Mouse Brain Structure. Journal of Neuroscience, 2013, 33, 1797-1803.	1.7	38
98	Structural brain changes following subthalamic nucleus deep brain stimulation in Parkinson's disease. Movement Disorders, 2016, 31, 1423-1425.	2.2	38
99	Cortical Amyloid Î² Deposition and Current Depressive Symptoms in Alzheimer Disease and Mild Cognitive Impairment. Journal of Geriatric Psychiatry and Neurology, 2016, 29, 149-159.	1.2	38
100	Early or Late Gestational Exposure to Maternal Immune Activation Alters Neurodevelopmental Trajectories in Mice: An Integrated Neuroimaging, Behavioral, and Transcriptional Study. Biological Psychiatry, 2021, 90, 328-341.	0.7	38
101	Dissecting autism and schizophrenia through neuroimaging genomics. Brain, 2021, 144, 1943-1957.	3.7	37
102	Glucose metabolism in small subcortical structures in Parkinsonâ€™s disease. Acta Neurologica Scandinavica, 2012, 125, 303-310.	1.0	36
103	Fornix-Region Deep Brain Stimulationâ€“Induced Memory Flashbacks in Alzheimerâ€™s Disease. New England Journal of Medicine, 2019, 381, 783-785.	13.9	36
104	Warping an atlas derived from serial histology to 5 high-resolution MRIs. Scientific Data, 2018, 5, 180107.	2.4	35
105	An artificial neural network model for clinical score prediction in Alzheimer disease using structural neuroimaging measures. Journal of Psychiatry and Neuroscience, 2019, 44, 246-250.	1.4	35
106	Hippocampal alterations and functional correlates in adolescents and young adults with congenital heart disease. Human Brain Mapping, 2019, 40, 3548-3560.	1.9	35
107	Volume loss in the deep gray matter and thalamic subnuclei: a longitudinal study on disability progression in multiple sclerosis. Journal of Neurology, 2020, 267, 1536-1546.	1.8	35
108	Labelâ€fusionâ€segmentation and deformationâ€based shape analysis of deep gray matter in multiple sclerosis: The impact of thalamic subnuclei on disability. Human Brain Mapping, 2014, 35, 4193-4203.	1.9	34

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109	Cortical thickness and low insight into symptoms in enduring schizophrenia. Schizophrenia Research, 2016, 170, 66-72.	1.1	34
110	A multicohort, longitudinal study of cerebellar development in attention deficit hyperactivity disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2018, 59, 1114-1123.	3.1	34
111	Progress update from the hippocampal subfields group. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 439-449.	1.2	34
112	Identifying schizophrenia subgroups using clustering and supervised learning. Schizophrenia Research, 2019, 214, 51-59.	1.1	34
113	Depressive Symptoms and Small Hippocampal Volume Accelerate the Progression to Dementia from Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2015, 49, 743-754.	1.2	33
114	Gray-matter structural variability in the human cerebellum: Lobule-specific differences across sex and hemisphere. NeuroImage, 2018, 170, 164-173.	2.1	33
115	Illness denial in schizophrenia spectrum disorders. Human Brain Mapping, 2015, 36, 213-225.	1.9	32
116	Striatal Morphology is Associated with Tobacco Cigarette Craving. Neuropsychopharmacology, 2015, 40, 406-411.	2.8	32
117	Automatic segmentation of the hippocampus for preterm neonates from early-in-life to term-equivalent age. NeuroImage: Clinical, 2015, 9, 176-193.	1.4	32
118	Glutamatergic neurometabolites and cortical thickness in treatment-resistant schizophrenia: Implications for glutamate-mediated excitotoxicity. Journal of Psychiatric Research, 2020, 124, 151-158.	1.5	31
119	Smaller hippocampal subfield volumes predict verbal associative memory in pediatric brain tumor survivors. Hippocampus, 2017, 27, 1140-1154.	0.9	30
120	Amyloid and Tau Pathology Associations With Personality Traits, Neuropsychiatric Symptoms, and Cognitive Lifestyle in the Preclinical Phases of Sporadic and Autosomal Dominant Alzheimerâ€™s Disease. Biological Psychiatry, 2021, 89, 776-785.	0.7	30
121	Regional brain volume changes following chronic antipsychotic administration are mediated by the dopamine D2 receptor. NeuroImage, 2018, 176, 226-238.	2.1	29
122	Regionally specific changes in the hippocampal circuitry accompany progression of cerebrospinal fluid biomarkers in preclinical Alzheimer's disease. Human Brain Mapping, 2018, 39, 971-984.	1.9	29
123	Cholinergic dysfunction in the dorsal striatum promotes habit formation and maladaptive eating. Journal of Clinical Investigation, 2020, 130, 6616-6630.	3.9	29
124	Disrupted Prefrontal Interhemispheric Structural Coupling in Schizophrenia Related to Working Memory Performance. Schizophrenia Bulletin, 2014, 40, 914-924.	2.3	28
125	The P300 event-related potential in bipolar disorder: A systematic review and meta-analysis. Journal of Affective Disorders, 2019, 256, 234-249.	2.0	28
126	Sex-biased trajectories of amygdalo-hippocampal morphology change over human development. NeuroImage, 2020, 204, 116122.	2.1	28

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127	An MRI-Derived Neuroanatomical Atlas of the Fischer 344 Rat Brain. Scientific Reports, 2020, 10, 6952.	1.6	28
128	Polygenic Risk and Neural Substrates of Attention-Deficit/Hyperactivity Disorder Symptoms in Youths With a History of Mild Traumatic Brain Injury. Biological Psychiatry, 2019, 85, 408-416.	0.7	27
129	Heritability of hippocampal subfield volumes using a twin and non-twin siblings design. Human Brain Mapping, 2017, 38, 4337-4352.	1.9	27
130	Creation of Computerized 3D MRI-Integrated Atlases of the Human Basal Ganglia and Thalamus. Frontiers in Systems Neuroscience, 2011, 5, 71.	1.2	26
131	Early-in-life neuroanatomical and behavioural trajectories in a triple transgenic model of Alzheimerâ€™s disease. Brain Structure and Function, 2018, 223, 3365-3382.	1.2	26
132	Longitudinal patterns of cortical thinning in multiple sclerosis. Human Brain Mapping, 2020, 41, 2198-2215.	1.9	26
133	The effect of second-generation antipsychotics on hippocampal volume in first episode of psychosis: longitudinal study. BJPsych Open, 2016, 2, 139-146.	0.3	25
134	Embracing diversity and inclusivity in an academic setting: Insights from the Organization for Human Brain Mapping. NeuroImage, 2021, 229, 117742.	2.1	25
135	Design, construction, and validation of an MRI-compatible vibrotactile stimulator intended for clinical use. Journal of Neuroscience Methods, 2009, 184, 129-135.	1.3	24
136	Automated Analysis of Craniofacial Morphology Using Magnetic Resonance Images. PLoS ONE, 2011, 6, e20241.	1.1	24
137	Latent Clinical-Anatomical Dimensions of Schizophrenia. Schizophrenia Bulletin, 2020, 46, 1426-1438.	2.3	24
138	Prefrontal White Matter Structure Mediates the Influence of GAD1 on Working Memory. Neuropsychopharmacology, 2016, 41, 2224-2231.	2.8	23
139	Synergistic Tissue Counterstaining and Image Segmentation Techniques for Accurate, Quantitative Immunohistochemistry. Journal of Histochemistry and Cytochemistry, 2008, 56, 873-880.	1.3	22
140	Your algorithm might think the hippocampus grows in Alzheimer's disease: Caveats of longitudinal automated hippocampal volumetry. Human Brain Mapping, 2017, 38, 2875-2896.	1.9	22
141	Hippocampal shape across the healthy lifespan and its relationship with cognition. Neurobiology of Aging, 2021, 106, 153-168.	1.5	22
142	Thalamic and striato-pallidal volumes in schizophrenia patients and individuals at risk for psychosis: A multi-atlas segmentation study. Schizophrenia Research, 2022, 243, 268-275.	1.1	22
143	Neuroanatomical predictors of response to subcallosal cingulate deep brain stimulation for treatment-resistant depression. Journal of Psychiatry and Neuroscience, 2020, 45, 45-54.	1.4	22
144	The complexities of pain after stroke--a review with a focus on central post-stroke pain. Panminerva Medica, 2013, 55, 1-10.	0.2	22

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145	Differing Time of Onset of Concurrent TMS-fMRI during Associative Memory Encoding: A Measure of Dynamic Connectivity. Frontiers in Human Neuroscience, 2017, 11, 404.	1.0	21
146	White matter microstructural organizations in patients with severe treatment-resistant schizophrenia: A diffusion tensor imaging study. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 100, 109871.	2.5	21
147	Maternal high-fat diet modifies myelin organization, microglial interactions, and results in social memory and sensorimotor gating deficits in adolescent mouse offspring. Brain, Behavior, & Immunity - Health, 2021, 15, 100281.	1.3	21
148	Differential effects of early or late exposure to prenatal maternal immune activation on mouse embryonic neurodevelopment. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2114545119.	3.3	21
149	Investigation of white matter abnormalities in first episode psychosis patients with persistent negative symptoms. Psychiatry Research - Neuroimaging, 2015, 233, 402-408.	0.9	20
150	Longitudinal assessment of the neuroanatomical consequences of deep brain stimulation: Application of fornical DBS in an Alzheimerâ€™s mouse model. Brain Research, 2019, 1715, 213-223.	1.1	20
151	Benzodiazepine Use Attenuates Cortical Î²-Amyloid and is Not Associated with Progressive Cognitive Decline in Nondemented Elderly Adults: A Pilot Study Using F18-Florbetapir Positron Emission Tomography. American Journal of Geriatric Psychiatry, 2016, 24, 1028-1039.	0.6	19
152	Hippocampal subfield volumes across the healthy lifespan and the effects of MR sequence on estimates. NeuroImage, 2021, 233, 117931.	2.1	19
153	Maternal high-fat diet in mice induces cerebrovascular, microglial and long-term behavioural alterations in offspring. Communications Biology, 2022, 5, 26.	2.0	19
154	Correlations between Stroop task performance and white matter lesion measures in late-onset major depression. Psychiatry Research - Neuroimaging, 2012, 202, 142-149.	0.9	18
155	Cortical surfaceâ€based thresholdâ€free cluster enhancement and cortexwise mediation. Human Brain Mapping, 2017, 38, 2795-2807.	1.9	18
156	Heritability estimates of cortical anatomy: The influence and reliability of different estimation strategies. NeuroImage, 2018, 178, 78-91.	2.1	18
157	Hippocampal neuroanatomy in first episode psychosis: A putative role for glutamate and serotonin receptors. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 110, 110297.	2.5	18
158	Volumetric and Shape Analysis of the Thalamus and Striatum in Amnestic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2015, 49, 237-249.	1.2	17
159	Neuroanatomical and Symptomatic Sex Differences in Individuals at Clinical High Risk for Psychosis. Frontiers in Psychiatry, 2017, 8, 291.	1.3	17
160	TSPO expression and brain structure in the psychosis spectrum. Brain, Behavior, and Immunity, 2018, 74, 79-85.	2.0	17
161	Hippocampal subfields and visuospatial associative memory across stages of schizophrenia-spectrum disorder. Psychological Medicine, 2019, 49, 2452-2462.	2.7	17
162	Association of early skin breaks and neonatal thalamic maturation. Neurology, 2020, 95, e3420-e3427.	1.5	17

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163	Brain cortical and subcortical morphology in adolescents with depression and a history of suicide attempt. Journal of Psychiatry and Neuroscience, 2021, 46, E347-E357.	1.4	17
164	Analyses of microstructural variation in the human striatum using non-negative matrix factorization. NeuroImage, 2022, 246, 118744.	2.1	17
165	Neuroanatomical profiles of treatment-resistance in patients with schizophrenia spectrum disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 99, 109839.	2.5	16
166	Î²-Amyloid Burden is Not Associated with Cognitive Impairment in Schizophrenia: A Systematic Review. American Journal of Geriatric Psychiatry, 2016, 24, 923-939.	0.6	15
167	Healthy versus Entorhinal Cortical Atrophy Identification in Asymptomatic APOE4 Carriers at Risk for Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2018, 61, 1493-1507.	1.2	15
168	Longitudinal Changes After Amygdala Surgery for Intractable Aggressive Behavior: Clinical, Imaging Genetics, and Deformation-Based Morphometry Studyâ€”A Case Series. Neurosurgery, 2021, 88, E158-E169.	0.6	15
169	Fully Automated Habenula Segmentation Provides Robust and Reliable Volume Estimation Across Large Magnetic Resonance Imaging Datasets, Suggesting Intriguing Developmental Trajectories in Psychiatric Disease. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 923-929.	1.1	15
170	Fimbria-Fornix Volume Is Associated With Spatial Memory and Olfactory Identification in Humans. Frontiers in Systems Neuroscience, 2019, 13, 87.	1.2	15
171	Microstructural Integrity of Hippocampal Subregions Is Impaired after Mild Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 1402-1411.	1.7	14
172	Striatal neurometabolite levels in patients with schizophrenia undergoing long-term antipsychotic treatment: A proton magnetic resonance spectroscopy and reliability study. Psychiatry Research - Neuroimaging, 2018, 273, 16-24.	0.9	14
173	Hand preference and local asymmetry in cerebral cortex, basal ganglia, and cerebellar white matter. Brain Structure and Function, 2019, 224, 2899-2905.	1.2	14
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