M Mallar Chakravarty

List of Publications by Citations

242 papers	12,003 citations	51 h-index	104 g-index
264 ext. papers	15,659 ext. citations	6.4 avg, IF	6.11 L-index

#	Paper	IF	Citations
242	An anatomically comprehensive atlas of the adult human brain transcriptome. *Nature*, **2012**, 489, 391-399	50.4	1525
241	Common genetic variants influence human subcortical brain structures. *Nature*, **2015**, 520, 224-9	50.4	601
240	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. *Brain Imaging and Behavior*, **2014**, 8, 153-82	4.1	539
239	Identification of common variants associated with human hippocampal and intracranial volumes. *Nature Genetics*, **2012**, 44, 552-61	36.3	498
238	BRAIN NETWORKS. Correlated gene expression supports synchronous activity in brain networks. *Science*, **2015**, 348, 1241-4	33.3	355
237	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	11.5	348
236	Fronto-striatal connections in the human brain: a probabilistic diffusion tractography study. *Neuroscience Letters*, **2007**, 419, 113-8	3.3	271
235	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	7.9	253
234	Multi-atlas segmentation of the whole hippocampus and subfields using multiple automatically generated templates. *NeuroImage*, **2014**, 101, 494-512	7.9	248
233	Performing label-fusion-based segmentation using multiple automatically generated templates. *Human Brain Mapping*, **2013**, 34, 2635-54	5.9	230
232	The creation of a brain atlas for image guided neurosurgery using serial histological data. *NeuroImage*, **2006**, 30, 359-76	7.9	215
231	Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: towards a harmonized segmentation protocol. *NeuroImage*, **2015**, 111, 526-41	7.9	209
230	Neurite density from magnetic resonance diffusion measurements at ultrahigh field: comparison with light microscopy and electron microscopy. *NeuroImage*, **2010**, 49, 205-16	7.9	209
229	Illness progression, recent stress, and morphometry of hippocampal subfields and medial prefrontal cortex in major depression. *Biological Psychiatry*, **2015**, 77, 285-294	7.9	201
228	A Phase II Study of Fornix Deep Brain Stimulation in Mild Alzheimer's Disease. *Journal of Alzheimerls Disease*, **2016**, 54, 777-87	4.3	174
227	A novel in vivo atlas of human hippocampal subfields using high-resolution 3 T magnetic resonance imaging. *NeuroImage*, **2013**, 74, 254-65	7.9	173
226	Novel genetic loci underlying human intracranial volume identified through genome-wide association. *Nature Neuroscience*, **2016**, 19, 1569-1582	25.5	147

225	BIDS apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods. *PLoS Computational Biology*, **2017**, 13, e1005209	5	129
224	Deep Brain Stimulation Influences Brain Structure in Alzheimer's Disease. *Brain Stimulation*, **2015**, 8, 645-54	5.1	120
223	Brain energy metabolism and blood flow differences in healthy aging. *Journal of Cerebral Blood Flow and Metabolism*, **2012**, 32, 1177-87	7.3	120
222	Normative brain size variation and brain shape diversity in humans. *Science*, **2018**, 360, 1222-1227	33.3	117
221	Morphological abnormalities of the thalamus in youths with attention deficit hyperactivity disorder. *American Journal of Psychiatry*, **2010**, 167, 397-408	11.9	116
220	Kynurenic Acid in Schizophrenia: A Systematic Review and Meta-analysis. *Schizophrenia Bulletin*, **2017**, 43, 764-777	1.3	110
219	Cortical hypometabolism and hypoperfusion in Parkinson's disease is extensive: probably even at early disease stages. *Brain Structure and Function*, **2010**, 214, 303-17	4	101
218	The effect of lifelong bilingualism on regional grey and white matter volume. *Brain Research*, **2015**, 1612, 128-39	3.7	97
217	Midazolam dose correlates with abnormal hippocampal growth and neurodevelopmental outcome in preterm infants. *Annals of Neurology*, **2016**, 79, 548-59	9.4	92
216	Early Procedural Pain Is Associated with Regionally-Specific Alterations in Thalamic Development in Preterm Neonates. *Journal of Neuroscience*, **2018**, 38, 878-886	6.6	91
215	Hippocampus and amygdala volumes from magnetic resonance images in children: Assessing accuracy of FreeSurfer and FSL against manual segmentation. *NeuroImage*, **2016**, 129, 1-14	7.9	90
214	Glutamate-mediated excitotoxicity in schizophrenia: a review. *European Neuropsychopharmacology*, **2014**, 24, 1591-605	1.2	89
213	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	3.5	84
212	Morphological Alterations in the Thalamus, Striatum, and Pallidum in Autism Spectrum Disorder. *Neuropsychopharmacology*, **2016**, 41, 2627-37	8.7	84
211	Focused ultrasound thalamotomy location determines clinical benefits in patients with essential tremor. *Brain*, **2018**, 141, 3405-3414	11.2	84
210	Towards a validation of atlas warping techniques. *Medical Image Analysis*, **2008**, 12, 713-26	15.4	82
209	Derivation of high-resolution MRI atlases of the human cerebellum at 3T and segmentation using multiple automatically generated templates. *NeuroImage*, **2014**, 95, 217-31	7.9	81
208	Functional consequences of neurite orientation dispersion and density in humans across the adult lifespan. *Journal of Neuroscience*, **2015**, 35, 1753-62	6.6	81

207	Genetic architecture of subcortical brain structures in 38,851 individuals. *Nature Genetics*, **2019**, 51, 1624-1636	30.5	81
206	Quantitative assessment of white matter injury in preterm neonates: Association with outcomes. *Neurology*, **2017**, 88, 614-622	6.5	80
205	Alterations of superficial white matter in schizophrenia and relationship to cognitive performance. *Neuropsychopharmacology*, **2013**, 38, 1954-62	8.7	79
204	Addendum to A white matter lesion-filling approach to improve braintissue volume measurements[NeuroImage Clin. vol. 6, 2014, pages 86-92]. *NeuroImage: Clinical*, **2015**, 7, 18	5.3	78
203	Assessing the risk of central post-stroke pain of thalamic origin by lesion mapping. *Brain*, **2012**, 135, 2536-45	11.2	78
202	Depression severity is correlated to the integrity of white matter fiber tracts in late-onset major depression. *Psychiatry Research - Neuroimaging*, **2010**, 184, 38-48	2.9	77
201	Longitudinally Mapping Childhood Socioeconomic Status Associations with Cortical and Subcortical Morphology. *Journal of Neuroscience*, **2019**, 39, 1365-1373	6.6	74
200	CERES: A new cerebellum lobule segmentation method. *NeuroImage*, **2017**, 147, 916-924	7.9	73
199	Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis. *NeuroImage*, **2020**, 205, 116278	7.9	69
198	Hippocampal (subfield) volume and shape in relation to cognitive performance across the adult lifespan. *Human Brain Mapping*, **2015**, 36, 3020-37	5.9	67
197	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	15.1	64
196	Comparison of piece-wise linear, linear, and nonlinear atlas-to-patient warping techniques: analysis of the labeling of subcortical nuclei for functional neurosurgical applications. *Human Brain Mapping*, **2009**, 30, 3574-95	5.9	60
195	Pydpiper: a flexible toolkit for constructing novel registration pipelines. *Frontiers in Neuroinformatics*, **2014**, 8, 67	3.9	58
194	Further neuroimaging evidence for the deficit subtype of schizophrenia: a cortical connectomics analysis. *JAMA Psychiatry*, **2015**, 72, 446-55	14.5	56
193	Modeling and prediction of clinical symptom trajectories in Alzheimer's disease using longitudinal data. *PLoS Computational Biology*, **2018**, 14, e1006376	5	54
192	A dataset of multi-contrast population-averaged brain MRI atlases of a Parkinson?s disease cohort. *Data in Brief*, **2017**, 12, 370-379	1.2	53
191	Evaluating accuracy of striatal, pallidal, and thalamic segmentation methods: Comparing automated approaches to manual delineation. *NeuroImage*, **2018**, 170, 182-198	7.9	50
190	Striatal shape abnormalities as novel neurodevelopmental endophenotypes in schizophrenia: a longitudinal study. *Human Brain Mapping*, **2015**, 36, 1458-69	5.9	49

189	Neuroanatomical consequences of very preterm birth in middle childhood. *Brain Structure and Function*, **2013**, 218, 575-85	4	47
188	Procedural pain and oral glucose in preterm neonates: brain development and sex-specific effects. *Pain*, **2018**, 159, 515-525	8	47
187	Morphological Abnormalities of Thalamic Subnuclei in Migraine: A Multicenter MRI Study at 3 Tesla. *Journal of Neuroscience*, **2015**, 35, 13800-6	6.6	46
186	Electroconvulsive therapy alters dopamine signaling in the striatum of non-human primates. *Neuropsychopharmacology*, **2011**, 36, 511-8	8.7	46
185	Superficial white matter as a novel substrate of age-related cognitive decline. *Neurobiology of Aging*, **2015**, 36, 2094-106	5.6	45
184	The developing human brain: age-related changes in cortical, subcortical, and cerebellar anatomy. *Brain and Behavior*, **2016**, 6, e00457	3.4	45
183	An Allometric Analysis of Sex and Sex Chromosome Dosage Effects on Subcortical Anatomy in Humans. *Journal of Neuroscience*, **2016**, 36, 2438-48	6.6	45
182	Allometric Analysis Detects Brain Size-Independent Effects of Sex and Sex Chromosome Complement on Human Cerebellar Organization. *Journal of Neuroscience*, **2017**, 37, 5221-5231	6.6	44
181	Multi-contrast unbiased MRI atlas of a Parkinson's disease population. *International Journal of Computer Assisted Radiology and Surgery*, **2015**, 10, 329-41	3.9	44
180	Evidence for Network-Based Cortical Thickness Reductions in Schizophrenia. *American Journal of Psychiatry*, **2019**, 176, 552-563	11.9	42
179	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 Alzheimerls Disease*, **2018**, 64, 597-606	4.3	42
178	Lifetime History of Depression Predicts Increased Amyloid-Accumulation in Patients with Mild Cognitive Impairment. *Journal of Alzheimerls Disease*, **2015**, 45, 907-19	4.3	42
177	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	4.5	41
176	Hippocampus, Amygdala, and Thalamus Volumes in Very Preterm Children at 8 Years: Neonatal Pain and Genetic Variation. *Frontiers in Behavioral Neuroscience*, **2019**, 13, 51	3.5	40
175	FTO, obesity and the adolescent brain. *Human Molecular Genetics*, **2013**, 22, 1050-8	5.6	40
174	Glutamatergic Metabolites, Volume and Cortical Thickness in Antipsychotic-Naive Patients with First-Episode Psychosis: Implications for Excitotoxicity. *Neuropsychopharmacology*, **2016**, 41, 2606-13	8.7	39
173	White matter injury in term neonates with congenital heart diseases: Topology & comparison with preterm newborns. *NeuroImage*, **2019**, 185, 742-749	7.9	38
172	Mapping registration sensitivity in MR mouse brain images. *NeuroImage*, **2013**, 82, 226-36	7.9	37

171	White and Gray Matter Abnormalities After Cranial Radiation in Children and Mice. *International Journal of Radiation Oncology Biology Physics*, **2015**, 93, 882-91	4	37
170	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	3.3	35
169	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	7.9	35
168	Cortical morphology in children with alcohol-related neurodevelopmental disorder. *Brain and Behavior*, **2014**, 4, 41-50	3.4	35
167	Gray- and white-matter anatomy of absolute pitch possessors. *Cerebral Cortex*, **2015**, 25, 1379-88	5.1	33
166	Estimating volumes of the pituitary gland from T1-weighted magnetic-resonance images: effects of age, puberty, testosterone, and estradiol. *NeuroImage*, **2014**, 94, 216-221	7.9	33
165	Acute and long-term effects of electroconvulsive therapy on human dentate gyrus. *Neuropsychopharmacology*, **2019**, 44, 1805-1811	8.7	32
164	Deep brain stimulation of the ventromedial prefrontal cortex causes reorganization of neuronal processes and vasculature. *NeuroImage*, **2016**, 125, 422-427	7.9	32
163	Animal Functional Magnetic Resonance Imaging: Trends and Path Toward Standardization. *Frontiers in Neuroinformatics*, **2019**, 13, 78	3.9	31
162	Structural brain changes following subthalamic nucleus deep brain stimulation in Parkinson's disease. *Movement Disorders*, **2016**, 31, 1423-5	7	31
161	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	9	31
160	Frontotemporoparietal asymmetry and lack of illness awareness in schizophrenia. *Human Brain Mapping*, **2013**, 34, 1035-43	5.9	31
159	Label-fusion-segmentation and deformation-based shape analysis of deep gray matter in multiple sclerosis: the impact of thalamic subnuclei on disability. *Human Brain Mapping*, **2014**, 35, 4193-203	5.9	31
158	Self-injurious behaviours are associated with alterations in the somatosensory system in children with autism spectrum disorder. *Brain Structure and Function*, **2014**, 219, 1251-61	4	31
157	Subjective Cognitive Decline Is Associated With Altered Default Mode Network Connectivity in Individuals With a Family History of Alzheimer's Disease. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2018**, 3, 463-472	3.4	30
156	Adolescent cocaine exposure causes enduring macroscale changes in mouse brain structure. *Journal of Neuroscience*, **2013**, 33, 1797-803a	6.6	30
155	Age- and sex-related variations in vocal-tract morphology and voice acoustics during adolescence. *Hormones and Behavior*, **2016**, 81, 84-96	3.7	30
154	Glucose metabolism in small subcortical structures in Parkinson's disease. *Acta Neurologica Scandinavica*, **2012**, 125, 303-10	3.8	29

153	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	3.6	29
152	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	4	28
151	Depressive Symptoms and Small Hippocampal Volume Accelerate the Progression to Dementia from Mild Cognitive Impairment. *Journal of Alzheimerls Disease*, **2016**, 49, 743-54	4.3	28
150	Spatial Patterning of Tissue Volume Loss in Schizophrenia Reflects Brain Network Architecture. *Biological Psychiatry*, **2020**, 87, 727-735	7.9	28
149	Striatal morphology is associated with tobacco cigarette craving. *Neuropsychopharmacology*, **2015**, 40, 406-11	8.7	27
148	MR-based age-related effects on the striatum, globus pallidus, and thalamus in healthy individuals across the adult lifespan. *Human Brain Mapping*, **2019**, 40, 5269-5288	5.9	27
147	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	5.3	27
146	An intrinsic association between olfactory identification and spatial memory in humans. *Nature Communications*, **2018**, 9, 4162	17.4	27
145	Subcortical Shape Changes, Hippocampal Atrophy and Cortical Thinning in Future Alzheimer's Disease Patients. *Frontiers in Aging Neuroscience*, **2017**, 9, 38	5.3	26
144	Disrupted prefrontal interhemispheric structural coupling in schizophrenia related to working memory performance. *Schizophrenia Bulletin*, **2014**, 40, 914-24	1.3	26
143	Automatic segmentation of the hippocampus for preterm neonates from early-in-life to term-equivalent age. *NeuroImage: Clinical*, **2015**, 9, 176-93	5.3	24
142	Cortical thickness and low insight into symptoms in enduring schizophrenia. *Schizophrenia Research*, **2016**, 170, 66-72	3.6	24
141	Illness denial in schizophrenia spectrum disorders: a function of left hemisphere dominance. *Human Brain Mapping*, **2015**, 36, 213-25	5.9	24
140	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	5.9	24
139	Cortical Amyloid Deposition and Current Depressive Symptoms in Alzheimer Disease and Mild Cognitive Impairment. *Journal of Geriatric Psychiatry and Neurology*, **2016**, 29, 149-59	3.8	23
138	Classification of suicide attempters in schizophrenia using sociocultural and clinical features: A machine learning approach. *General Hospital Psychiatry*, **2017**, 47, 20-28	5.6	22
137	Prefrontal White Matter Structure Mediates the Influence of GAD1 on Working Memory. *Neuropsychopharmacology*, **2016**, 41, 2224-31	8.7	22
136	Creation of Computerized 3D MRI-Integrated Atlases of the Human Basal Ganglia and Thalamus. *Frontiers in Systems Neuroscience*, **2011**, 5, 71	3.5	22

135	Fornix-Region Deep Brain Stimulation-Induced Memory Flashbacks in Alzheimer's Disease. *New England Journal of Medicine*, **2019**, 381, 783-785	59.2	21
134	Design, construction, and validation of an MRI-compatible vibrotactile stimulator intended for clinical use. *Journal of Neuroscience Methods*, **2009**, 184, 129-35	3	21
133	Regional brain volume changes following chronic antipsychotic administration are mediated by the dopamine D2 receptor. *NeuroImage*, **2018**, 176, 226-238	7.9	20
132	Smaller hippocampal subfield volumes predict verbal associative memory in pediatric brain tumor survivors. *Hippocampus*, **2017**, 27, 1140-1154	3.5	20
131	Synergistic tissue counterstaining and image segmentation techniques for accurate, quantitative immunohistochemistry. *Journal of Histochemistry and Cytochemistry*, **2008**, 56, 873-80	3.4	20
130	Your algorithm might think the hippocampus grows in Alzheimer's disease: Caveats of longitudinal automated hippocampal volumetry. *Human Brain Mapping*, **2017**, 38, 2875-2896	5.9	19
129	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	7.9	19
128	Automated analysis of craniofacial morphology using magnetic resonance images. *PLoS ONE*, **2011**, 6, e20241	3.7	19
127	Levels of glutamatergic neurometabolites in patients with severe treatment-resistant schizophrenia: a proton magnetic resonance spectroscopy study. *Neuropsychopharmacology*, **2020**, 45, 632-640	8.7	19
126	From Maternal Diet to Neurodevelopmental Disorders: A Story of Neuroinflammation. *Frontiers in Cellular Neuroscience*, **2020**, 14, 612705	6.1	19
125	The effect of second-generation antipsychotics on hippocampal volume in first episode of psychosis: longitudinal study. *BJPsych Open*, **2016**, 2, 139-146	5	18
124	Warping an atlas derived from serial histology to 5 high-resolution MRIs. *Scientific Data*, **2018**, 5, 180107	8.2	18
123	Early-in-life neuroanatomical and behavioural trajectories in a triple transgenic model of Alzheimer's disease. *Brain Structure and Function*, **2018**, 223, 3365-3382	4	17
122	An artificial neural network model for clinical score prediction in Alzheimer disease using structural neuroimaging measures. *Journal of Psychiatry and Neuroscience*, **2019**, 44, 246-260	4.5	17
121	Correlations between Stroop task performance and white matter lesion measures in late-onset major depression. *Psychiatry Research - Neuroimaging*, **2012**, 202, 142-9	2.9	17
120	Heritability of hippocampal subfield volumes using a twin and non-twin siblings design. *Human Brain Mapping*, **2017**, 38, 4337-4352	5.9	17
119	Identifying schizophrenia subgroups using clustering and supervised learning. *Schizophrenia Research*, **2019**, 214, 51-59	3.6	16
118	Gray-matter structural variability in the human cerebellum: Lobule-specific differences across sex and hemisphere. *NeuroImage*, **2018**, 170, 164-173	7.9	16

117	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	7.9	16
116	Progress update from the hippocampal subfields group. *Alzheimerls and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2019**, 11, 439-449	5.2	16
115	Sex-biased trajectories of amygdalo-hippocampal morphology change over human development. *NeuroImage*, **2020**, 204, 116122	7.9	16
114	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	5.5	15
113	The P300 event-related potential in bipolar disorder: A systematic review and meta-analysis. *Journal of Affective Disorders*, **2019**, 256, 234-249	6.6	14
112	Investigation of white matter abnormalities in first episode psychosis patients with persistent negative symptoms. *Psychiatry Research - Neuroimaging*, **2015**, 233, 402-8	2.9	14
111	Longitudinal patterns of cortical thinning in multiple sclerosis. *Human Brain Mapping*, **2020**, 41, 2198-2215	5.9	14
110	Heritability estimates of cortical anatomy: The influence and reliability of different estimation strategies. *NeuroImage*, **2018**, 178, 78-91	7.9	14
109	Benzodiazepine Use Attenuates Cortical Amyloid and is Not Associated with Progressive Cognitive Decline in Nondemented Elderly Adults: A Pilot Study Using F-Florbetapir Positron Emission Tomography. *American Journal of Geriatric Psychiatry*, **2016**, 24, 1028-1039	6.5	14
108	Hippocampal alterations and functional correlates in adolescents and young adults with congenital heart disease. *Human Brain Mapping*, **2019**, 40, 3548-3560	5.9	13
107	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	5.5	13
106	Differing Time of Onset of Concurrent TMS-fMRI during Associative Memory Encoding: A Measure of Dynamic Connectivity. *Frontiers in Human Neuroscience*, **2017**, 11, 404	3.3	13
105	Neuroanatomical predictors of response to subcallosal cingulate deep brain stimulation for treatment-resistant depression. *Journal of Psychiatry and Neuroscience*, **2020**, 45, 45-54	4.5	13
104	Hippocampal subfields and visuospatial associative memory across stages of schizophrenia-spectrum disorder. *Psychological Medicine*, **2019**, 49, 2452-2462	6.9	13
103	Amyloid and Tau Pathology Associations With Personality Traits, Neuropsychiatric Symptoms, and Cognitive Lifestyle in the Preclinical Phases of Sporadic and Autosomal Dominant Alzheimer's Disease. *Biological Psychiatry*, **2021**, 89, 776-785	7.9	13
102	Glutamatergic neurometabolites and cortical thickness in treatment-resistant schizophrenia: Implications for glutamate-mediated excitotoxicity. *Journal of Psychiatric Research*, **2020**, 124, 151-158	5.2	12
101	Volumetric and shape analysis of the thalamus and striatum in amnestic mild cognitive impairment. *Journal of Alzheimerls Disease*, **2016**, 49, 237-49	4.3	12
100	Robust S1, S2, and thalamic activations in individual subjects with vibrotactile stimulation at 1.5 and 3.0 T. *Human Brain Mapping*, **2009**, 30, 1328-37	5.9	12

99	Role of D3 dopamine receptors in modulating neuroanatomical changes in response to antipsychotic administration. *Scientific Reports*, **2019**, 9, 7850	4.9	11
98	Microstructural Integrity of Hippocampal Subregions Is Impaired after Mild Traumatic Brain Injury. *Journal of Neurotrauma*, **2017**, 34, 1402-1411	5.4	11
97	Functional and structural correlates of memory in patients with mesial temporal lobe epilepsy. *Frontiers in Neurology*, **2015**, 6, 103	4.1	11
96	DISC1 and Striatal Volume: A Potential Risk Phenotype For mental Illness. *Frontiers in Psychiatry*, **2012**, 3, 57	5	11
95	Investigating microstructural variation in the human hippocampus using non-negative matrix factorization. *NeuroImage*, **2020**, 207, 116348	7.9	11
94	Amyloid Burden is Not Associated with Cognitive Impairment in Schizophrenia: A Systematic Review. *American Journal of Geriatric Psychiatry*, **2016**, 24, 923-39	6.5	11
93	Cortical surface-based threshold-free cluster enhancement and cortexwise mediation. *Human Brain Mapping*, **2017**, 38, 2795-2807	5.9	10
92	An MRI-Derived Neuroanatomical Atlas of the Fischer 344 Rat Brain. *Scientific Reports*, **2020**, 10, 6952	4.9	10
91	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	2.9	10
90	Clarifying associations between cortical thickness, subcortical structures, and a comprehensive assessment of clinical insight in enduring schizophrenia. *Schizophrenia Research*, **2019**, 204, 245-252	3.6	10
89	Trait impulsiveness is related to smaller post-commissural putamen volumes in males but not females. *European Journal of Neuroscience*, **2017**, 46, 2253-2264	3.5	9
88	Hand preference and local asymmetry in cerebral cortex, basal ganglia, and cerebellar white matter. *Brain Structure and Function*, **2019**, 224, 2899-2905	4	9
87	The relationship between subcortical brain volume and striatal dopamine D receptor availability in healthy humans assessed with [C]-raclopride and [C]-(+)-PHNO PET. *Human Brain Mapping*, **2017**, 38, 5519-5534	5.9	9
86	Neuroimaging predictors of functional outcomes in schizophrenia at baseline and 6-month follow-up. *Schizophrenia Research*, **2015**, 169, 69-75	3.6	9
85	Healthy versus Entorhinal Cortical Atrophy Identification in Asymptomatic APOE4 Carriers at Risk for Alzheimer's Disease. *Journal of Alzheimerls Disease*, **2018**, 61, 1493-1507	4.3	9
84	The complexities of pain after stroke--a review with a focus on central post-stroke pain. *Panminerva Medica*, **2013**, 55, 1-10	2	9
83	TSPO expression and brain structure in the psychosis spectrum. *Brain, Behavior, and Immunity*, **2018** , 74, 79-85	16.6	8
82	Hippocampal and Clinical Trajectories of Mild Cognitive Impairment with Suspected Non-Alzheimer's Disease Pathology. *Journal of Alzheimerls Disease*, **2017**, 58, 747-762	4.3	8

81	Neuroanatomical and Symptomatic Sex Differences in Individuals at Clinical High Risk for Psychosis. *Frontiers in Psychiatry*, **2017**, 8, 291	5	8
80	Genome-wide variant by serum urate interaction in Parkinson's disease. *Annals of Neurology*, **2015**, 78, 731-41	9.4	8
79	Cholinergic dysfunction in the dorsal striatum promotes habit formation and maladaptive eating. *Journal of Clinical Investigation*, **2020**, 130, 6616-6630	15.9	8
78	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	3.4	8
77	Latent Clinical-Anatomical Dimensions of Schizophrenia. *Schizophrenia Bulletin*, **2020**, 46, 1426-1438	1.3	8
76	Manual-Protocol Inspired Technique for Improving Automated MR Image Segmentation during Label Fusion. *Frontiers in Neuroscience*, **2016**, 10, 325	5.1	8
75	Neurologic Examination Findings Associated With Small Cerebellar Volumes After Prematurity. *Journal of Child Neurology*, **2019**, 34, 586-592	2.5	7
74	Does skull shape mediate the relationship between objective features and subjective impressions about the face?. *NeuroImage*, **2013**, 79, 234-40	7.9	7
73	Open science datasets from PREVENT-AD, a longitudinal cohort of pre-symptomatic Alzheimer's disease. *NeuroImage: Clinical*, **2021**, 31, 102733	5.3	7
72	Hippocampal neuroanatomy in first episode psychosis: A putative role for glutamate and serotonin receptors. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2021**, 110, 110297	5.5	7
71	Longitudinal assessment of the neuroanatomical consequences of deep brain stimulation: Application of fornical DBS in an Alzheimer's mouse model. *Brain Research*, **2019**, 1715, 213-223	3.7	6
70	New surgical technique reduces the susceptibility artefact at air-tissue interfaces on in vivo cerebral MRI in the Göttingen minipig. *Brain Research Bulletin*, **2009**, 80, 403-7	3.9	6
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