M Mallar Chakravarty

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2758438/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Disruptions in white matter microstructure associated with impaired visual associative memory in schizophrenia-spectrum illness. European Archives of Psychiatry and Clinical Neuroscience, 2022, 272, 971-983.	3.2	3
2	Propagating Uncertainty Across Cascaded Medical Imaging Tasks for Improved Deep Learning Inference. IEEE Transactions on Medical Imaging, 2022, 41, 360-373.	8.9	12
3	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.	2.0	22
4	Longitudinal characterization of neuroanatomical changes in the Fischer 344 rat brain during normal aging and between sexes. Neurobiology of Aging, 2022, 109, 216-228.	3.1	3
5	Early musical training shapes cortico-cerebellar structural covariation. Brain Structure and Function, 2022, 227, 407-419.	2.3	9
6	Striatal glutamate, subcortical structure and clinical response to first-line treatment in first-episode psychosis patients. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2022, 113, 110473.	4.8	13
7	Analyses of microstructural variation in the human striatum using non-negative matrix factorization. NeuroImage, 2022, 246, 118744.	4.2	17
8	Investigating structural subdivisions of the anterior cingulate cortex in schizophrenia, with implications for treatment resistance and glutamatergic levels. Journal of Psychiatry and Neuroscience, 2022, 47, E1-E10.	2.4	12
9	Maternal high-fat diet in mice induces cerebrovascular, microglial and long-term behavioural alterations in offspring. Communications Biology, 2022, 5, 26.	4.4	19
10	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.	7.1	21
11	Neurochemical and cognitive changes precede structural abnormalities in the TgF344-AD rat model. Brain Communications, 2022, 4, fcac072.	3.3	11
12	Inter- and intra-individual variation in brain structural-cognition relationships in aging. Neurolmage, 2022, 257, 119254.	4.2	12
13	Longitudinal Changes After Amygdala Surgery for Intractable Aggressive Behavior: Clinical, Imaging Genetics, and Deformation-Based Morphometry Study—A Case Series. Neurosurgery, 2021, 88, E158-E169.	1.1	15
14	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.	1.3	30
15	Structural Brain Differences Between Cognitively Impaired Patients With and Without Apathy. American Journal of Geriatric Psychiatry, 2021, 29, 319-332.	1.2	12
16	Open science datasets from PREVENT-AD, a longitudinal cohort of pre-symptomatic Alzheimer's disease. NeuroImage: Clinical, 2021, 31, 102733.	2.7	42
17	Sex-specific associations between subcortical morphometry in childhood and adult alcohol consumption: A 17-year follow-up study. NeuroImage: Clinical, 2021, 31, 102771.	2.7	2
18	Dissecting autism and schizophrenia through neuroimaging genomics. Brain, 2021, 144, 1943-1957.	7.6	37

#	Article	IF	CITATIONS
19	Mapping autonomic, mood and cognitive effects of hypothalamic region deep brain stimulation. Brain, 2021, 144, 2837-2851.	7.6	14
20	A systematic review of neuroimaging and acute cannabis exposure in age-of-risk for psychosis. Translational Psychiatry, 2021, 11, 217.	4.8	12
21	Embracing diversity and inclusivity in an academic setting: Insights from the Organization for Human Brain Mapping. Neurolmage, 2021, 229, 117742.	4.2	25
22	Brain cortical and subcortical morphology in adolescents with depression and a history of suicide attempt. Journal of Psychiatry and Neuroscience, 2021, 46, E347-E357.	2.4	17
23	Hippocampal subfield volumes across the healthy lifespan and the effects of MR sequence on estimates. NeuroImage, 2021, 233, 117931.	4.2	19
24	A Diagnosis and Biotype Comparison Across the Psychosis Spectrum: Investigating Volume and Shape Amygdala-Hippocampal Differences from the B-SNIP Study. Schizophrenia Bulletin, 2021, 47, 1706-1717.	4.3	10
25	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.	2.5	21
26	Hippocampal neuroanatomy in first episode psychosis: A putative role for glutamate and serotonin receptors. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 110, 110297.	4.8	18
27	Central nervous system atrophy predicts future dynamics of disability progression in a realâ€world multiple sclerosis cohort. European Journal of Neurology, 2021, 28, 4153-4166.	3.3	10
28	Quantitative and Qualitative Sex Modulations in the Brain Anatomy of Autism. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 898-909.	1.5	8
29	The impact of the Siemens Tim Trio to Prisma upgrade and the addition of volumetric navigators on cortical thickness, structure volume, and 1H-MRS indices: An MRI reliability study with implications for longitudinal study designs. NeuroImage, 2021, 238, 118172.	4.2	7
30	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.	1.3	38
31	Hippocampal shape across the healthy lifespan and its relationship with cognition. Neurobiology of Aging, 2021, 106, 153-168.	3.1	22
32	Cumulative exposure to ADHD medication is inversely related to hippocampus subregional volume in children. NeuroImage: Clinical, 2021, 31, 102695.	2.7	6
33	Lateral geniculate nucleus volume changes after optic neuritis in neuromyelitis optica: A longitudinal study. NeuroImage: Clinical, 2021, 30, 102608.	2.7	9
34	Small animal imaging presents an opportunity for improving translational research in biological psychiatry. Journal of Psychiatry and Neuroscience, 2021, 46, E579-E582.	2.4	5
35	Subtle alterations in neonatal neurodevelopment following early or late exposure to prenatal maternal immune activation in mice. NeuroImage: Clinical, 2021, 32, 102868.	2.7	7
36	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.	7.9	141

#	Article	IF	CITATIONS
37	Sex-biased trajectories of amygdalo-hippocampal morphology change over human development. NeuroImage, 2020, 204, 116122.	4.2	28
38	Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis. NeuroImage, 2020, 205, 116278.	4.2	151
39	Investigating microstructural variation in the human hippocampus using non-negative matrix factorization. NeuroImage, 2020, 207, 116348.	4.2	43
40	Spatial Patterning of Tissue Volume Loss in Schizophrenia Reflects Brain Network Architecture. Biological Psychiatry, 2020, 87, 727-735.	1.3	87
41	Interactive effects of age and recent substance use on striatal shape morphology at substance use disorder treatment entry. Drug and Alcohol Dependence, 2020, 206, 107728.	3.2	2
42	Levels of glutamatergic neurometabolites in patients with severe treatment-resistant schizophrenia: a proton magnetic resonance spectroscopy study. Neuropsychopharmacology, 2020, 45, 632-640.	5.4	50
43	Neuroanatomical profiles of treatment-resistance in patients with schizophrenia spectrum disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 99, 109839.	4.8	16
44	Cover Image, Volume 30, Issue 10. Hippocampus, 2020, 30, C1.	1.9	0
45	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.	1.5	15
46	Apathy is not associated with reduced ventral striatal volume in patients with schizophrenia. Schizophrenia Research, 2020, 223, 279-288.	2.0	5
47	Latent Clinical-Anatomical Dimensions of Schizophrenia. Schizophrenia Bulletin, 2020, 46, 1426-1438.	4.3	24
48	Characterizing the Subcortical Structures in Youth with Congenital Heart Disease. American Journal of Neuroradiology, 2020, 41, 1503-1508.	2.4	1
49	Using Non-Negative Matrix Factorization to Examine Treatment Resistance and Response in Patients With Schizophrenia: A Multimodal Imaging Study. Biological Psychiatry, 2020, 87, S350.	1.3	1
50	Refractoriness of aggressive behaviour to pharmacological treatment: cortical thickness analysis in autism spectrum disorder. BJPsych Open, 2020, 6, e85.	0.7	9
51	Ventral posterior nucleus volume is associated with neuropathic pain intensity in neuromyelitis optica spectrum disorders. Multiple Sclerosis and Related Disorders, 2020, 46, 102579.	2.0	14
52	Association of early skin breaks and neonatal thalamic maturation. Neurology, 2020, 95, e3420-e3427.	1.1	17
53	Volumetric, shape and microstructural alterations of the hippocampal subfields in healthy aging. Alzheimer's and Dementia, 2020, 16, e039589.	0.8	1
54	Lifetime brain structural trajectories in TAUPS2APP mouse model of Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e045523.	0.8	0

#	Article	IF	CITATIONS
55	Seeing the bigger picture: multimodal neuroimaging to investigate neuropsychiatric illnesses. Journal of Psychiatry and Neuroscience, 2020, 45, 147-149.	2.4	5
56	An MRI-Derived Neuroanatomical Atlas of the Fischer 344 Rat Brain. Scientific Reports, 2020, 10, 6952.	3.3	28
57	Clinical-Anatomical Phenotypes of Schizophrenia. Biological Psychiatry, 2020, 87, S119-S120.	1.3	1
58	Altered hippocampal centrality and dynamic anatomical covariance of intracortical microstructure in first episode psychosis. Hippocampus, 2020, 30, 1058-1072.	1.9	6
59	General Principles of Gene Dosage Effects on Brain Structure. Biological Psychiatry, 2020, 87, S177.	1.3	Ο
60	Glutamatergic neurometabolites and cortical thickness in treatment-resistant schizophrenia: Implications for glutamate-mediated excitotoxicity. Journal of Psychiatric Research, 2020, 124, 151-158.	3.1	31
61	Probing Myelin in First Episode of Psychosis With MRI: A Framework to Understand Negative Symptoms and Verbal Memory. Biological Psychiatry, 2020, 87, S101.	1.3	Ο
62	Longitudinal patterns of cortical thinning in multiple sclerosis. Human Brain Mapping, 2020, 41, 2198-2215.	3.6	26
63	Greater cortical thickness in individuals with ASD. Molecular Psychiatry, 2020, 25, 507-508.	7.9	3
64	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.	3.6	35
65	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.	4.8	21
66	From Maternal Diet to Neurodevelopmental Disorders: A Story of Neuroinflammation. Frontiers in Cellular Neuroscience, 2020, 14, 612705.	3.7	47
67	Do Unremitted Psychotic Symptoms Have an Effect on the Brain? A 2-Year Follow-up Imaging Study in First-Episode Psychosis. Schizophrenia Bulletin Open, 2020, 1, sgaa039.	1.7	7
68	Cholinergic dysfunction in the dorsal striatum promotes habit formation and maladaptive eating. Journal of Clinical Investigation, 2020, 130, 6616-6630.	8.2	29
69	Neuroanatomical predictors of response to subcallosal cingulate deep brain stimulation for treatment-resistant depression. Journal of Psychiatry and Neuroscience, 2020, 45, 45-54.	2.4	22
70	White matter injury in term neonates with congenital heart diseases: Topology & comparison with preterm newborns. Neurolmage, 2019, 185, 742-749.	4.2	60
71	Clarifying associations between cortical thickness, subcortical structures, and a comprehensive assessment of clinical insight in enduring schizophrenia. Schizophrenia Research, 2019, 204, 245-252.	2.0	13
72	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.	1.3	27

#	Article	IF	CITATIONS
73	Fornix-Region Deep Brain Stimulation–Induced Memory Flashbacks in Alzheimer's Disease. New England Journal of Medicine, 2019, 381, 783-785.	27.0	36
74	Using proton magnetic resonance spectroscopic imaging to study glutamatergic alterations in patients with schizophrenia: A systematic review. Schizophrenia Research, 2019, 210, 13-20.	2.0	5
75	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.	2.4	35
76	Progress update from the hippocampal subfields group. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 439-449.	2.4	34
77	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.	6.1	54
78	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.	3.6	55
79	The effect of second-generation antipsychotics on basal ganglia and thalamus in first-episode psychosis patients. European Neuropsychopharmacology, 2019, 29, 1408-1418.	0.7	6
80	Guest editorial: Special issue on machine learning in schizophrenia. Schizophrenia Research, 2019, 214, 1-2.	2.0	3
81	Hand preference and local asymmetry in cerebral cortex, basal ganglia, and cerebellar white matter. Brain Structure and Function, 2019, 224, 2899-2905.	2.3	14
82	Identifying schizophrenia subgroups using clustering and supervised learning. Schizophrenia Research, 2019, 214, 51-59.	2.0	34
83	T199. Assessing Neurometabolite Alterations in theÂAnterior Cingulate Cortex of Patients With Schizophrenia: A Multi-Site Proton Magnetic Resonance Spectroscopy Initiative. Biological Psychiatry, 2019, 85, S207.	1.3	0
84	S141. The P300 Event-Related Potential in Bipolar Disorder Compared to Healthy Control: A Systematic Review and Meta-Analysis. Biological Psychiatry, 2019, 85, S351-S352.	1.3	0
85	Acute and long-term effects of electroconvulsive therapy on human dentate gyrus. Neuropsychopharmacology, 2019, 44, 1805-1811.	5.4	48
86	Role of D3 dopamine receptors in modulating neuroanatomical changes in response to antipsychotic administration. Scientific Reports, 2019, 9, 7850.	3.3	14
87	Rostral-Caudal Hippocampal Functional Convergence Is Reduced Across the Alzheimer's Disease Spectrum. Molecular Neurobiology, 2019, 56, 8336-8344.	4.0	6
88	The P300 event-related potential in bipolar disorder: A systematic review and meta-analysis. Journal of Affective Disorders, 2019, 256, 234-249.	4.1	28
89	Neurologic Examination Findings Associated With Small Cerebellar Volumes After Prematurity. Journal of Child Neurology, 2019, 34, 586-592.	1.4	14
90	Evidence for Network-Based Cortical Thickness Reductions in Schizophrenia. American Journal of Psychiatry, 2019, 176, 552-563.	7.2	97

#	Article	IF	CITATIONS
91	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.	2.0	58
92	Hippocampal alterations and functional correlates in adolescents and young adults with congenital heart disease. Human Brain Mapping, 2019, 40, 3548-3560.	3.6	35
93	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.	2.2	20
94	Hippocampus, Amygdala, and Thalamus Volumes in Very Preterm Children at 8 Years: Neonatal Pain and Genetic Variation. Frontiers in Behavioral Neuroscience, 2019, 13, 51.	2.0	82
95	Genetic architecture of subcortical brain structures in 38,851 individuals. Nature Genetics, 2019, 51, 1624-1636.	21.4	192
96	Longitudinally Mapping Childhood Socioeconomic Status Associations with Cortical and Subcortical Morphology. Journal of Neuroscience, 2019, 39, 1365-1373.	3.6	127
97	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.	2.7	59
98	Hippocampal subfields and visuospatial associative memory across stages of schizophrenia-spectrum disorder. Psychological Medicine, 2019, 49, 2452-2462.	4.5	17
99	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.	2.0	53
100	Fimbria-Fornix Volume Is Associated With Spatial Memory and Olfactory Identification in Humans. Frontiers in Systems Neuroscience, 2019, 13, 87.	2.5	15
101	Animal Functional Magnetic Resonance Imaging: Trends and Path Toward Standardization. Frontiers in Neuroinformatics, 2019, 13, 78.	2.5	78
102	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.	1.8	14
103	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.	1.5	41
104	Early Procedural Pain Is Associated with Regionally-Specific Alterations in Thalamic Development in Preterm Neonates. Journal of Neuroscience, 2018, 38, 878-886.	3.6	168
105	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.	5.2	34
106	Regional brain volume changes following chronic antipsychotic administration are mediated by the dopamine D2 receptor. NeuroImage, 2018, 176, 226-238.	4.2	29
107	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.	4.2	55
108	Gray-matter structural variability in the human cerebellum: Lobule-specific differences across sex and hemisphere. NeuroImage, 2018, 170, 164-173.	4.2	33

#	Article	IF	CITATIONS
109	Evaluating accuracy of striatal, pallidal, and thalamic segmentation methods: Comparing automated approaches to manual delineation. NeuroImage, 2018, 170, 182-198.	4.2	75
110	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.	4.2	422
111	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.	3.6	29
112	Procedural pain and oral glucose in preterm neonates: brain development and sex-specific effects. Pain, 2018, 159, 515-525.	4.2	80
113	Amotivation is associated with smaller ventral striatum volumes in older patients with schizophrenia. International Journal of Geriatric Psychiatry, 2018, 33, 523-530.	2.7	11
114	Deformation-based Morphometry MRI Reveals Brain Structural Modifications in Living Mu Opioid Receptor Knockout Mice. Frontiers in Psychiatry, 2018, 9, 643.	2.6	2
115	Trait impulsivity is not related to post-commissural putamen volumes: A replication study in healthy men. PLoS ONE, 2018, 13, e0209584.	2.5	7
116	Healthy versus Entorhinal Cortical Atrophy Identification in Asymptomatic APOE4 Carriers at Risk for Alzheimer's Disease. Journal of Alzheimer's Disease, 2018, 61, 1493-1507.	2.6	15
117	T125. Thalami Shape Differences in Elderly Depressed Patients At-Risk for Suicide. Biological Psychiatry, 2018, 83, S176-S177.	1.3	0
118	An intrinsic association between olfactory identification and spatial memory in humans. Nature Communications, 2018, 9, 4162.	12.8	59
119	Modeling and prediction of clinical symptom trajectories in Alzheimer's disease using longitudinal data. PLoS Computational Biology, 2018, 14, e1006376.	3.2	88
120	Dissecting genetic cross-talk between ADHD and other neurodevelopmental disorders: Evidence from behavioural, pharmacological and brain imaging investigations. Psychiatry Research, 2018, 269, 652-657.	3.3	5
121	Focused ultrasound thalamotomy location determines clinical benefits in patients with essential tremor. Brain, 2018, 141, 3405-3414.	7.6	129
122	Normative brain size variation and brain shape diversity in humans. Science, 2018, 360, 1222-1227.	12.6	194
123	Warping an atlas derived from serial histology to 5 high-resolution MRIs. Scientific Data, 2018, 5, 180107.	5.3	35
124	T154. Electroconvulsive Therapy Induces Age-Dependent Volume Increase in the Human Dentate Gyrus. Biological Psychiatry, 2018, 83, S188.	1.3	2
125	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.	2.3	44
126	Heritability estimates of cortical anatomy: The influence and reliability of different estimation strategies. NeuroImage, 2018, 178, 78-91.	4.2	18

#	Article	IF	CITATIONS
127	145. Diagnosis and Biotype Comparisons Across the Psychosis Spectrum: Investigating Amygdala-Hippocampal Differences From the Bipolar-Schizophrenia Network on Intermediate Phenotypes (B-SNIP) Study. Biological Psychiatry, 2018, 83, S59.	1.3	0
128	F6. Is it Possible to Elicit Progressive Functioning Decline Without Having Beta-Amyloid Pathology? Clinical Trajectories of Mild Cognitive Impairment With Suspected Non-Alzheimer's Pathology. Biological Psychiatry, 2018, 83, S239.	1.3	0
129	Early-in-life neuroanatomical and behavioural trajectories in a triple transgenic model of Alzheimer's disease. Brain Structure and Function, 2018, 223, 3365-3382.	2.3	26
130	TSPO expression and brain structure in the psychosis spectrum. Brain, Behavior, and Immunity, 2018, 74, 79-85.	4.1	17
131	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.	2.6	69
132	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.	2.4	59
133	Quantitative assessment of white matter injury in preterm neonates. Neurology, 2017, 88, 614-622.	1.1	117
134	Classification of suicide attempters in schizophrenia using sociocultural and clinical features: A machine learning approach. General Hospital Psychiatry, 2017, 47, 20-28.	2.4	41
135	Intranasal oxytocin does not modulate jumping to conclusions in schizophrenia: Potential interactions with caudate volume and baseline social functioning. Psychoneuroendocrinology, 2017, 81, 80-87.	2.7	10
136	Kynurenic Acid in Schizophrenia: A Systematic Review and Meta-analysis. Schizophrenia Bulletin, 2017, 43, 764-777.	4.3	159
137	Your algorithm might think the hippocampus grows in Alzheimer's disease: Caveats of longitudinal automated hippocampal volumetry. Human Brain Mapping, 2017, 38, 2875-2896.	3.6	22
138	Cortical surfaceâ€based thresholdâ€free cluster enhancement and cortexwise mediation. Human Brain Mapping, 2017, 38, 2795-2807.	3.6	18
139	Allometric Analysis Detects Brain Size-Independent Effects of Sex and Sex Chromosome Complement on Human Cerebellar Organization. Journal of Neuroscience, 2017, 37, 5221-5231.	3.6	65
140	Trait impulsiveness is related to smaller post ommissural putamen volumes in males but not females. European Journal of Neuroscience, 2017, 46, 2253-2264.	2.6	10
141	Smaller hippocampal subfield volumes predict verbal associative memory in pediatric brain tumor survivors. Hippocampus, 2017, 27, 1140-1154.	1.9	30
142	The relationship between subcortical brain volume and striatal dopamine D _{2/3} receptor availability in healthy humans assessed with [¹¹ C]â€raclopride and [¹¹ C]â€(+)â€PHNC PET. Human Brain Mapping, 2017, 38, 5519-5534.) 3.6	12
143	Hippocampal and Clinical Trajectories of Mild Cognitive Impairment with Suspected Non-Alzheimer's Disease Pathology. Journal of Alzheimer's Disease, 2017, 58, 747-762.	2.6	9
144	CERES: A new cerebellum lobule segmentation method. NeuroImage, 2017, 147, 916-924.	4.2	133

#	Article	IF	CITATIONS
145	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.	1.9	130
146	Microstructural Integrity of Hippocampal Subregions Is Impaired after Mild Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 1402-1411.	3.4	14
147	Hippocampal shape alterations are associated with regional Aβ load in cognitively normal elderly individuals. European Journal of Neuroscience, 2017, 45, 1241-1251.	2.6	9
148	The Effects of Cortical Hypometabolism and Hippocampal Atrophy on Clinical Trajectories in Mild Cognitive Impairment with Suspected Non-Alzheimer's Pathology: A Brief Report. Journal of Alzheimer's Disease, 2017, 60, 341-347.	2.6	4
149	Bipolar disorder risk gene FOXO6 modulates negative symptoms in schizophrenia: a neuroimaging genetics study. Journal of Psychiatry and Neuroscience, 2017, 42, 172-180.	2.4	4
150	Neuroanatomical and Symptomatic Sex Differences in Individuals at Clinical High Risk for Psychosis. Frontiers in Psychiatry, 2017, 8, 291.	2.6	17
151	Subcortical Shape Changes, Hippocampal Atrophy and Cortical Thinning in Future Alzheimer's Disease Patients. Frontiers in Aging Neuroscience, 2017, 9, 38.	3.4	43
152	Differing Time of Onset of Concurrent TMS-fMRI during Associative Memory Encoding: A Measure of Dynamic Connectivity. Frontiers in Human Neuroscience, 2017, 11, 404.	2.0	21
153	Heritability of hippocampal subfield volumes using a twin and non-twin siblings design. Human Brain Mapping, 2017, 38, 4337-4352.	3.6	27
154	A dataset of multi-contrast population-averaged brain MRI atlases of a Parkinson׳s disease cohort. Data in Brief, 2017, 12, 370-379.	1.0	94
155	BIDS apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods. PLoS Computational Biology, 2017, 13, e1005209.	3.2	218
156	Gene Prioritization for Imaging Genetics Studies Using Gene Ontology and a Stratified False Discovery Rate Approach. Frontiers in Neuroinformatics, 2016, 10, 14.	2.5	7
157	Manual-Protocol Inspired Technique for Improving Automated MR Image Segmentation during Label Fusion. Frontiers in Neuroscience, 2016, 10, 325.	2.8	13
158	Midazolam dose correlates with abnormal hippocampal growth and neurodevelopmental outcome in preterm infants. Annals of Neurology, 2016, 79, 548-559.	5.3	129
159	A Phase II Study of Fornix Deep Brain Stimulation in Mild Alzheimer's Disease. Journal of Alzheimer's Disease, 2016, 54, 777-787.	2.6	263
160	Age- and sex-related variations in vocal-tract morphology and voice acoustics during adolescence. Hormones and Behavior, 2016, 81, 84-96.	2.1	58
161	The effect of second-generation antipsychotics on hippocampal volume in first episode of psychosis: longitudinal study. BJPsych Open, 2016, 2, 139-146.	0.7	25
162	Benzodiazepine Use Attenuates Cortical β-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.	1.2	19

#	Article	IF	CITATIONS
163	Î'-Amyloid Burden is Not Associated with Cognitive Impairment in Schizophrenia: A Systematic Review. American Journal of Geriatric Psychiatry, 2016, 24, 923-939.	1.2	15
164	Morphological Alterations in the Thalamus, Striatum, and Pallidum in Autism Spectrum Disorder. Neuropsychopharmacology, 2016, 41, 2627-2637.	5.4	125
165	Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582.	14.8	213
166	Structural brain changes following subthalamic nucleus deep brain stimulation in Parkinson's disease. Movement Disorders, 2016, 31, 1423-1425.	3.9	38
167	The developing human brain: ageâ€related changes in cortical, subcortical, and cerebellar anatomy. Brain and Behavior, 2016, 6, e00457.	2.2	74
168	Glutamatergic Metabolites, Volume and Cortical Thickness in Antipsychotic-Naive Patients with First-Episode Psychosis: Implications for Excitotoxicity. Neuropsychopharmacology, 2016, 41, 2606-2613.	5.4	48
169	Prefrontal White Matter Structure Mediates the Influence of GAD1 on Working Memory. Neuropsychopharmacology, 2016, 41, 2224-2231.	5.4	23
170	Hippocampus and amygdala volumes from magnetic resonance images in children: Assessing accuracy of FreeSurfer and FSL against manual segmentation. NeuroImage, 2016, 129, 1-14.	4.2	128
171	An Allometric Analysis of Sex and Sex Chromosome Dosage Effects on Subcortical Anatomy in Humans. Journal of Neuroscience, 2016, 36, 2438-2448.	3.6	64
172	Cortical thickness and low insight into symptoms in enduring schizophrenia. Schizophrenia Research, 2016, 170, 66-72.	2.0	34
173	Deep brain stimulation of the ventromedial prefrontal cortex causes reorganization of neuronal processes and vasculature. NeuroImage, 2016, 125, 422-427.	4.2	41
174	Cortical Amyloid \hat{I}^2 Deposition and Current Depressive Symptoms in Alzheimer Disease and Mild Cognitive Impairment. Journal of Geriatric Psychiatry and Neurology, 2016, 29, 149-159.	2.3	38
175	Dynamic endophenotypes and longitudinal trajectories: capturing changing aspects of development in early psychosis. Journal of Psychiatry and Neuroscience, 2016, 41, 148-151.	2.4	8
176	Lifetime History of Depression Predicts Increased Beta-Amyloid Accumulation in Patients with Mild Cognitive Impairment. American Journal of Geriatric Psychiatry, 2015, 23, S147-S150.	1.2	1
177	Depressive Symptoms and Small Hippocampal Volume Accelerate the Progression to Dementia from Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2015, 49, 743-754.	2.6	33
178	High-resolution In Vivo Manual Segmentation Protocol for Human Hippocampal Subfields Using 3T Magnetic Resonance Imaging. Journal of Visualized Experiments, 2015, , e51861.	0.3	6
179	White and Gray Matter Abnormalities After Cranial Radiation in Children and Mice. International Journal of Radiation Oncology Biology Physics, 2015, 93, 882-891.	0.8	50
180	Genomeâ€wide variant by serum urate interaction in Parkinson's disease. Annals of Neurology, 2015, 78, 731-741.	5.3	9

#	Article	IF	CITATIONS
181	Volumetric and Shape Analysis of the Thalamus and Striatum in Amnestic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2015, 49, 237-249.	2.6	17
182	Functional and Structural Correlates of Memory in Patients with Mesial Temporal Lobe Epilepsy. Frontiers in Neurology, 2015, 6, 103.	2.4	13
183	Functional Consequences of Neurite Orientation Dispersion and Density in Humans across the Adult Lifespan. Journal of Neuroscience, 2015, 35, 1753-1762.	3.6	120
184	Correlated gene expression supports synchronous activity in brain networks. Science, 2015, 348, 1241-1244.	12.6	532
185	Neuroimaging predictors of functional outcomes in schizophrenia at baseline and 6-month follow-up. Schizophrenia Research, 2015, 169, 69-75.	2.0	10
186	Illness denial in schizophrenia spectrum disorders. Human Brain Mapping, 2015, 36, 213-225.	3.6	32
187	Illness Progression, Recent Stress, and Morphometry of Hippocampal Subfields and Medial Prefrontal Cortex in Major Depression. Biological Psychiatry, 2015, 77, 285-294.	1.3	267
188	Striatal shape abnormalities as novel neurodevelopmental endophenotypes in schizophrenia: A longitudinal study. Human Brain Mapping, 2015, 36, 1458-1469.	3.6	65
189	Lifetime History of Depression Predicts Increased Amyloid-β Accumulation in Patients with Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2015, 45, 907-919.	2.6	49
190	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	27.8	772
191	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.	4.2	284
192	The effect of lifelong bilingualism on regional grey and white matter volume. Brain Research, 2015, 1612, 128-139.	2.2	116
193	Superficial white matter as a novel substrate of age-related cognitive decline. Neurobiology of Aging, 2015, 36, 2094-2106.	3.1	65
194	Investigation of white matter abnormalities in first episode psychosis patients with persistent negative symptoms. Psychiatry Research - Neuroimaging, 2015, 233, 402-408.	1.8	20
195	Striatal Morphology is Associated with Tobacco Cigarette Craving. Neuropsychopharmacology, 2015, 40, 406-411.	5.4	32
196	Deep Brain Stimulation Influences Brain Structure in Alzheimer's Disease. Brain Stimulation, 2015, 8, 645-654.	1.6	162
197	Hippocampal (subfield) volume and shape in relation to cognitive performance across the adult lifespan. Human Brain Mapping, 2015, 36, 3020-3037.	3.6	101
198	Further Neuroimaging Evidence for the Deficit Subtype of Schizophrenia. JAMA Psychiatry, 2015, 72, 446.	11.0	79

#	Article	IF	CITATIONS
199	Morphological Abnormalities of Thalamic Subnuclei in Migraine: A Multicenter MRI Study at 3 Tesla. Journal of Neuroscience, 2015, 35, 13800-13806.	3.6	62
200	Gray- and White-Matter Anatomy of Absolute Pitch Possessors. Cerebral Cortex, 2015, 25, 1379-1388.	2.9	43
201	Automatic segmentation of the hippocampus for preterm neonates from early-in-life to term-equivalent age. NeuroImage: Clinical, 2015, 9, 176-193.	2.7	32
202	Multi-contrast unbiased MRI atlas of a Parkinson's disease population. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 329-341.	2.8	68
203	Pydpiper: a flexible toolkit for constructing novel registration pipelines. Frontiers in Neuroinformatics, 2014, 8, 67.	2.5	85
204	Disrupted Prefrontal Interhemispheric Structural Coupling in Schizophrenia Related to Working Memory Performance. Schizophrenia Bulletin, 2014, 40, 914-924.	4.3	28
205	Cortical morphology in children with alcoholâ€related neurodevelopmental disorder. Brain and Behavior, 2014, 4, 41-50.	2.2	49
206	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.	3.6	34
207	Estimating volumes of the pituitary gland from T1-weighted magnetic-resonance images: Effects of age, puberty, testosterone, and estradiol. NeuroImage, 2014, 94, 216-221.	4.2	44
208	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.	2.3	42
209	Derivation of high-resolution MRI atlases of the human cerebellum at 3T and segmentation using multiple automatically generated templates. NeuroImage, 2014, 95, 217-231.	4.2	122
210	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182.	2.1	696
211	Glutamate-mediated excitotoxicity in schizophrenia: A review. European Neuropsychopharmacology, 2014, 24, 1591-1605.	0.7	115
212	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.	7.1	486
213	Multi-atlas segmentation of the whole hippocampus and subfields using multiple automatically generated templates. Neurolmage, 2014, 101, 494-512.	4.2	322
214	Frontotemporoparietal asymmetry and lack of illness awareness in schizophrenia. Human Brain Mapping, 2013, 34, 1035-1043.	3.6	38
215	Performing label-fusion-based segmentation using multiple automatically generated templates. Human Brain Mapping, 2013, 34, 2635-2654.	3.6	311
216	A novel in vivo atlas of human hippocampal subfields using high-resolution 3T magnetic resonance imaging. NeuroImage, 2013, 74, 254-265.	4.2	219

#	Article	IF	CITATIONS
217	Neuroanatomical consequences of very preterm birth in middle childhood. Brain Structure and Function, 2013, 218, 575-585.	2.3	60
218	Alterations of Superficial White Matter in Schizophrenia and Relationship to Cognitive Performance. Neuropsychopharmacology, 2013, 38, 1954-1962.	5.4	113
219	Mapping registration sensitivity in MR mouse brain images. NeuroImage, 2013, 82, 226-236.	4.2	41
220	Does skull shape mediate the relationship between objective features and subjective impressions about the face?. NeuroImage, 2013, 79, 234-240.	4.2	8
221	FTO, obesity and the adolescent brain. Human Molecular Genetics, 2013, 22, 1050-1058.	2.9	46
222	Adolescent Cocaine Exposure Causes Enduring Macroscale Changes in Mouse Brain Structure. Journal of Neuroscience, 2013, 33, 1797-1803.	3.6	38
223	The complexities of pain after strokea review with a focus on central post-stroke pain. Panminerva Medica, 2013, 55, 1-10.	0.8	22
224	Brain Energy Metabolism and Blood Flow Differences in Healthy Aging. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1177-1187.	4.3	145
225	Assessing the risk of central post-stroke pain of thalamic origin by lesion mapping. Brain, 2012, 135, 2536-2545.	7.6	101
226	Multimodal Imaging and Image Analysis Techniques for Neuromodulation. International Review of Neurobiology, 2012, 107, 235-252.	2.0	0
227	Identification of common variants associated with human hippocampal and intracranial volumes. Nature Genetics, 2012, 44, 552-561.	21.4	594
228	An anatomically comprehensive atlas of the adult human brain transcriptome. Nature, 2012, 489, 391-399.	27.8	2,321
229	DISC1 and Striatal Volume: A Potential Risk Phenotype For mental Illness. Frontiers in Psychiatry, 2012, 3, 57.	2.6	13
230	Glucose metabolism in small subcortical structures in Parkinson's disease. Acta Neurologica Scandinavica, 2012, 125, 303-310.	2.1	36
231	Correlations between Stroop task performance and white matter lesion measures in late-onset major depression. Psychiatry Research - Neuroimaging, 2012, 202, 142-149.	1.8	18
232	Creation of Computerized 3D MRI-Integrated Atlases of the Human Basal Ganglia and Thalamus. Frontiers in Systems Neuroscience, 2011, 5, 71.	2.5	26
233	Automated Analysis of Craniofacial Morphology Using Magnetic Resonance Images. PLoS ONE, 2011, 6, e20241.	2.5	24
234	Electroconvulsive Therapy Alters Dopamine Signaling in the Striatum of Non-human Primates. Neuropsychopharmacology, 2011, 36, 511-518.	5.4	50

#	Article	IF	CITATIONS
235	Cortical hypometabolism and hypoperfusion in Parkinson's disease is extensive: probably even at early disease stages. Brain Structure and Function, 2010, 214, 303-317.	2.3	140
236	Depression severity is correlated to the integrity of white matter fiber tracts in late-onset major depression. Psychiatry Research - Neuroimaging, 2010, 184, 38-48.	1.8	86
237	Defining the Intercommissural Plane and Stereotactic Coordinates for the Basal Ganglia in the Göttingen Minipig Brain. Stereotactic and Functional Neurosurgery, 2010, 88, 138-146.	1.5	7
238	Morphological Abnormalities of the Thalamus in Youths With Attention Deficit Hyperactivity Disorder. American Journal of Psychiatry, 2010, 167, 397-408.	7.2	142
239	Neurite density from magnetic resonance diffusion measurements at ultrahigh field: Comparison with light microscopy and electron microscopy. NeuroImage, 2010, 49, 205-216.	4.2	245
240	Robust S1, S2, and thalamic activations in individual subjects with vibrotactile stimulation at 1.5 and 3.0 T. Human Brain Mapping, 2009, 30, 1328-1337.	3.6	13
241	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.	3.6	66
242	Musical Morphology. Annals of the New York Academy of Sciences, 2009, 1169, 79-83.	3.8	5
243	Design, construction, and validation of an MRI-compatible vibrotactile stimulator intended for clinical use. Journal of Neuroscience Methods, 2009, 184, 129-135.	2.5	24
244	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, 403-407.	3.0	8
245	Towards a validation of atlas warping techniques. Medical Image Analysis, 2008, 12, 713-726.	11.6	90
246	Synergistic Tissue Counterstaining and Image Segmentation Techniques for Accurate, Quantitative Immunohistochemistry. Journal of Histochemistry and Cytochemistry, 2008, 56, 873-880.	2.5	22
247	Fronto-striatal connections in the human brain: A probabilistic diffusion tractography study. Neuroscience Letters, 2007, 419, 113-118.	2.1	313
248	The creation of a brain atlas for image guided neurosurgery using serial histological data. NeuroImage, 2006, 30, 359-376.	4.2	271