Carles Falcon

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/269814/publications.pdf

Version: 2024-02-01

155 papers	5,600 citations	81900 39 h-index	102487 66 g-index
162 all docs	162 docs citations	162 times ranked	9347 citing authors

#	Article	IF	Citations
1	Modulation of large-scale brain networks by transcranial direct current stimulation evidenced by resting-state functional MRI. Brain Stimulation, 2012, 5, 252-263.	1.6	261
2	Transâ€synaptic axonal degeneration in the visual pathway in multiple sclerosis. Annals of Neurology, 2014, 75, 98-107.	5.3	206
3	Novel tau biomarkers phosphorylated at T181, T217 or T231 rise in the initial stages of the preclinical Alzheimerâ€™s continuum when only subtle changes in AÎ² pathology are detected. EMBO Molecular Medicine, 2020, 12, e12921.	6.9	202
4	Dynamic functional connectivity reveals altered variability in functional connectivity among patients with major depressive disorder. Human Brain Mapping, 2016, 37, 2918-2930.	3.6	186
5	Repetitive Transcranial Magnetic Stimulation Effects on Brain Function and Cognition among Elders with Memory Dysfunction. A Randomized Sham-Controlled Study. Cerebral Cortex, 2006, 16, 1487-1493.	2.9	169
6	A cross-sectional and follow-up voxel-based morphometric MRI study in adolescent anorexia nervosa. Journal of Psychiatric Research, 2009, 43, 331-340.	3.1	158
7	Differential effects of intrauterine growth restriction on brain structure and development in preterm infants: A magnetic resonance imaging study. Brain Research, 2011, 1382, 98-108.	2.2	149
8	Cognitive reserve modulates task-induced activations and deactivations in healthy elders, amnestic mild cognitive impairment and mild Alzheimer's disease. Cortex, 2010, 46, 451-461.	2.4	136
9	Modulation of verbal fluency networks by transcranial direct current stimulation (tDCS) in Parkinsonâ€™s disease. Brain Stimulation, 2013, 6, 16-24.	1.6	135
10	Decreased Regional Brain Volume and Cognitive Impairment in Preterm Children at Low Risk. Pediatrics, 2009, 124, e1161-e1170.	2.1	116
11	Decreased cerebral activation during CPT performance. NeuroImage, 2004, 21, 840-847.	4.2	110
12	Frontal and associative visual areas related to visual hallucinations in dementia with Lewy bodies and Parkinson's disease with dementia. Movement Disorders, 2010, 25, 615-622.	3.9	109
13	Effects of APOEâ€Îµ4 allele load on brain morphology in a cohort of middleâ€aged healthy individuals with enriched genetic risk for Alzheimer's disease. Alzheimer's and Dementia, 2018, 14, 902-912.	0.8	98
14	Patterns of cerebral white matter damage and cognitive impairment in adolescents born very preterm. International Journal of Developmental Neuroscience, 2008, 26, 647-654.	1.6	95
15	Progressive gray matter changes in first episode schizophrenia: A 4-year longitudinal magnetic resonance study using VBM. Schizophrenia Research, 2009, 114, 136-143.	2.0	94
16	APOE-by-sex interactions on brain structure and metabolism in healthy elderly controls. Oncotarget, 2015, 6, 26663-26674.	1.8	92
17	Microstructural white matter changes in metabolic syndrome. Neurology, 2009, 73, 438-444.	1.1	87
18	Cerebrospinal fluid sTREM2 levels are associated with gray matter volume increases and reduced diffusivity in early Alzheimer's disease. Alzheimer's and Dementia, 2016, 12, 1259-1272.	0.8	86

#	Article	IF	Citations
19	Centiloid cut-off values for optimal agreement between PET and CSF core AD biomarkers. Alzheimer's Research and Therapy, 2019, 11, 27.	6.2	82
20	Interactions of cognitive reserve with regional brain anatomy and brain function during a working memory task in healthy elders. Biological Psychology, 2009, 80, 256-259.	2.2	81
21	Why Does Acute Hyperglycemia Worsen the Outcome of Transient Focal Cerebral Ischemia?. Stroke, 2006, 37, 1288-1295.	2.0	76
22	A longitudinal fMRI study of working memory in severe TBI patients with diffuse axonal injury. NeuroImage, 2008, 43, 421-429.	4.2	74
23	A whole-brain computational modeling approach to explain the alterations in resting-state functional connectivity during progression of Alzheimer's disease. NeuroImage: Clinical, 2017, 16, 343-354.	2.7	73
24	Brain and cognitive correlates of subjective cognitive decline-plus features in a population-based cohort. Alzheimer's Research and Therapy, 2018, 10, 123.	6.2	73
25	Brain changes in children and adolescents with obsessiveâ€“compulsive disorder before and after treatment: A voxel-based morphometric MRI study. Psychiatry Research - Neuroimaging, 2009, 172, 140-146.	1.8	71
26	Impact of urban environmental exposures on cognitive performance and brain structure of healthy individuals at risk for Alzheimerâ€™s dementia. Environment International, 2020, 138, 105546.	10.0	69
27	Influence of Corpus Callosum Damage on Cognition and Physical Disability in Multiple Sclerosis: A Multimodal Study. PLoS ONE, 2012, 7, e37167.	2.5	68
28	Regional vulnerability of hippocampal subfields to aging measured by structural and diffusion MRI. Hippocampus, 2014, 24, 403-414.	1.9	67
29	Correlations between gray matter reductions and cognitive deficits in dementia with Lewy Bodies and Parkinson's disease with dementia. Movement Disorders, 2009, 24, 1740-1746.	3.9	63
30	Frontal Hypoactivation on Functional Magnetic Resonance Imaging in Working Memory after Severe Diffuse Traumatic Brain Injury. Journal of Neurotrauma, 2008, 25, 479-494.	3.4	62
31	Task-dependent Activity and Connectivity Predict Episodic Memory Network-based Responses to Brain Stimulation in Healthy Aging. Brain Stimulation, 2014, 7, 287-296.	1.6	62
32	CSF YKL-40 and pTau181 are related to different cerebral morphometric patterns in early AD. Neurobiology of Aging, 2016, 38, 47-55.	3.1	54
33	Association between insomnia and cognitive performance, gray matter volume, and white matter microstructure in cognitively unimpaired adults. Alzheimer's Research and Therapy, 2020, 12, 4.	6.2	53
34	Adolescent anorexia nervosa: Cross-sectional and follow-up frontal gray matter disturbances detected with proton magnetic resonance spectroscopy. Journal of Psychiatric Research, 2007, 41, 952-958.	3.1	51
35	PET/MRI and PET/MRI/SISCOM coregistration in the presurgical evaluation of refractory focal epilepsy. Epilepsy Research, 2015, 111, 1-9.	1.6	50
36	A cross-sectional and follow-up functional MRI study with a working memory task in adolescent anorexia nervosa. Neuropsychologia, 2010, 48, 4111-4116.	1.6	48

#	Article	IF	Citations
37	Cognitive functions in multiple sclerosis: impact of gray matter integrity. Multiple Sclerosis Journal, 2014, 20, 424-432.	3.0	47
38	Nonlinear cerebral atrophy patterns across the Alzheimer's disease continuum: impact of APOE4 genotype. Neurobiology of Aging, 2015, 36, 2687-2701.	3.1	46
39	Spatial patterns of white matter hyperintensities associated with Alzheimerâ€™s disease risk factors in a cognitively healthy middle-aged cohort. Alzheimer's Research and Therapy, 2019, 11, 12.	6.2	46
40	Increased methylation at an unexplored glucocorticoid responsive element within exon 1D of NR3C1 gene is related to anxious-depressive disorders and decreased hippocampal connectivity. European Neuropsychopharmacology, 2018, 28, 579-588.	0.7	44
41	White matter microstructure is altered in cognitively normal middle-aged APOE-Îµ4 homozygotes. Alzheimer's Research and Therapy, 2018, 10, 48.	6.2	43
42	Neurochemical Modulation in Posteromedial Default-mode Network Cortex Induced by Transcranial Magnetic Stimulation. Brain Stimulation, 2015, 8, 937-944.	1.6	42
43	Glucose and caffeine effects on sustained attention: an exploratory fMRI study.. Human Psychopharmacology, 2010, 25, 543-552.	1.5	41
44	Normal gray and white matter volume after weight restoration in adolescents with anorexia nervosa. International Journal of Eating Disorders, 2013, 46, 841-848.	4.0	41
45	Patterns of white matter hyperintensities associated with cognition in middle-aged cognitively healthy individuals. Brain Imaging and Behavior, 2020, 14, 2012-2023.	2.1	40
46	CSF Synaptic Biomarkers in the Preclinical Stage of Alzheimer Disease and Their Association With MRI and PET. Neurology, 2021, 97, e2065-e2078.	1.1	40
47	Quantification of dopaminergic neurotransmission SPECT studies with 123I-labelled radioligands. A comparison between different imaging systems and data acquisition protocols using Monte Carlo simulation. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 1334-1342.	6.4	38
48	Brain T1 intensity changes after levodopa administration in healthy subjects: a voxel-based morphometry study. British Journal of Clinical Pharmacology, 2006, 62, 546-551.	2.4	36
49	The APOE Îµ4 genotype modulates CSF YKLâ€40 levels and their structural brain correlates in the continuum of Alzheimer's disease but not those of sTREM2. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 6, 50-59.	2.4	36
50	Hippocampal functional magnetic resonance imaging during a faceâ€“name learning task in adolescents with antecedents of prematurity. NeuroImage, 2005, 25, 561-569.	4.2	35
51	FKBP5 modulates the hippocampal connectivity deficits in depression: a study in twins. Brain Imaging and Behavior, 2017, 11, 62-75.	2.1	34
52	Functional neuroimaging in startle epilepsy: Involvement of a mesial frontoparietal network. Epilepsia, 2011, 52, 1725-1732.	5.1	33
53	A comparison of various MRI feature types for characterizing whole brain anatomical differences using linear pattern recognition methods. NeuroImage, 2018, 178, 753-768.	4.2	33
54	Episodic memory and executive functions in cognitively healthy individuals display distinct neuroanatomical correlates which are differentially modulated by aging. Human Brain Mapping, 2018, 39, 4565-4579.	3.6	32

#	Article	IF	Citations
55	Modest MRI Signal Intensity Changes Precede Delayed Cortical Necrosis After Transient Focal Ischemia in the Rat. Stroke, 2006, 37, 1525-1532.	2.0	31
56	1H-MRS of the anterior cingulate cortex in childhood and adolescent obsessiveâ€“compulsive disorder: A case-control study. European Neuropsychopharmacology, 2015, 25, 60-68.	0.7	31
57	Iterative reconstruction with correction of the spatially variant fan-beam collimator response in neurotransmission SPET imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 1322-1329.	6.4	30
58	Interactive effect of age and APOE-Îµ4 allele load on white matter myelin content in cognitively normal middle-aged subjects. NeuroImage: Clinical, 2019, 24, 101983.	2.7	30
59	Perivascular spaces are associated with tau pathophysiology and synaptic dysfunction in early Alzheimerâ€™s continuum. Alzheimer's Research and Therapy, 2021, 13, 135.	6.2	30
60	18FDG PET study of amygdalar activity during facial emotion recognition in schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2010, 260, 69-76.	3.2	29
61	Differential brain glucose metabolic patterns in antipsychotic-naive first-episode schizophrenia with and without auditory verbal hallucinations. Journal of Psychiatry and Neuroscience, 2011, 36, 312-321.	2.4	29
62	Proton magnetic resonance spectroscopy in pediatric obsessiveâ€“compulsive disorder: Longitudinal study before and after treatment. Psychiatry Research - Neuroimaging, 2012, 201, 17-24.	1.8	29
63	Higher prevalence of cerebral white matter hyperintensities in homozygous APOE-É›4 allele carriers aged 45â€“75: Results from the ALFA study. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 250-261.	4.3	29
64	Mechanisms of functional compensation, delineated by eigenvector centrality mapping, across the pathophysiological continuum of Alzheimerâ€™s disease. NeuroImage: Clinical, 2019, 22, 101777.	2.7	29
65	White matter hyperintensities mediate gray matter volume and processing speed relationship in cognitively unimpaired participants. Human Brain Mapping, 2020, 41, 1309-1322.	3.6	27
66	Characterisation of fan-beam collimators. European Journal of Nuclear Medicine and Molecular Imaging, 2001, 28, 144-149.	2.1	26
67	Regional gray matter reductions are associated with genetic liability for anxiety and depression: An MRI twin study. Journal of Affective Disorders, 2013, 149, 175-181.	4.1	26
68	CSF glial biomarkers YKL40 and sTREM2 are associated with longitudinal volume and diffusivity changes in cognitively unimpaired individuals. NeuroImage: Clinical, 2019, 23, 101801.	2.7	26
69	Brain Metabolism during Hallucination-Like Auditory Stimulation in Schizophrenia. PLoS ONE, 2014, 9, e84987.	2.5	25
70	Structural Connectivity Alterations Along the Alzheimerâ€™s Disease Continuum: Reproducibility Across Two Independent Samples and Correlation with Cerebrospinal Fluid Amyloid-Î² and Tau. Journal of Alzheimer's Disease, 2018, 61, 1575-1587.	2.6	25
71	Combined 18F-FDG-PET and diffusion tensor imaging in mesial temporal lobe epilepsy with hippocampal sclerosis. NeuroImage: Clinical, 2016, 12, 976-989.	2.7	24
72	Subclinical Atherosclerosis and Brain Metabolism in Middle-Aged Individuals. Journal of the American College of Cardiology, 2021, 77, 888-898.	2.8	24

#	Article	IF	Citations
73	Functional connectivity of the hippocampus in elderly with mild memory dysfunction carrying the APOE É›4 allele. Neurobiology of Aging, 2008, 29, 1644-1653.	3.1	23
74	Depressed Glucose Consumption at Reperfusion following Brain Ischemia does not Correlate with Mitochondrial Dysfunction and Development of Infarction: An in vivo Positron Emission Tomography Study. Current Neurovascular Research, 2009, 6, 82-88.	1.1	23
75	Prediction of amyloid pathology in cognitively unimpaired individuals using voxel-wise analysis of longitudinal structural brain MRI. Alzheimer's Research and Therapy, 2019, 11, 72.	6.2	23
76	Absolute quantification in dopaminergic neurotransmission SPECT using a Monte Carlo-based scatter correction and fully 3-dimensional reconstruction. Journal of Nuclear Medicine, 2005, 46, 1497-504.	5.0	23
77	Proton Magnetic Resonance Spectroscopy Reveals Medial Temporal Metabolic Abnormalities in Adolescents With History of Preterm Birth. Pediatric Research, 2008, 64, 572-577.	2.3	22
78	A voxel-based morphometric MRI study of stabilized obsessiveâ€“compulsive adolescent patients. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 1863-1869.	4.8	22
79	Integration of advanced 3D SPECT modeling into the openâ€source STIR framework. Medical Physics, 2013, 40, 092502.	3.0	22
80	FocusDET, A New Toolbox for SISCOM Analysis. Evaluation of the Registration Accuracy Using Monte Carlo Simulation. Neuroinformatics, 2013, 11, 77-89.	2.8	22
81	Ictal <scp>EEG</scp>â€f<scp>MRI</scp> in localization of epileptogenic area in patients with refractory neocortical focal epilepsy. Epilepsia, 2013, 54, 1688-1698.	5.1	22
82	Environmental factors linked to depression vulnerability are associated with altered cerebellar resting-state synchronization. Scientific Reports, 2016, 6, 37384.	3.3	21
83	Reproducibility of the Structural Connectome Reconstruction across Diffusion Methods. Journal of Neuroimaging, 2016, 26, 46-57.	2.0	19
84	MRI-Based Screening of Preclinical Alzheimerâ€™s Disease for Prevention Clinical Trials. Journal of Alzheimer's Disease, 2018, 64, 1099-1112.	2.6	18
85	APOE-Îµ4 risk variant for Alzheimer's disease modifies the association between cognitive performance and cerebral morphology in healthy middle-aged individuals. NeuroImage: Clinical, 2019, 23, 101818.	2.7	18
86	Epilepsy causing pupillary hippus: an unusual semiology. Epilepsia, 2011, 52, e93-6.	5.1	17
87	DHA intake relates to better cerebrovascular and neurodegeneration neuroimaging phenotypes in middle-aged adults at increased genetic risk of Alzheimer disease. American Journal of Clinical Nutrition, 2021, 113, 1627-1635.	4.7	17
88	The influence of a relaxation parameter on SPECT iterative reconstruction algorithms. Physics in Medicine and Biology, 1996, 41, 925-937.	3.0	16
89	Longitudinal structural cerebral changes related to core CSF biomarkers in preclinical Alzheimer's disease: A study of two independent datasets. NeuroImage: Clinical, 2018, 19, 190-201.	2.7	16
90	Earliest amyloid and tau deposition modulate the influence of limbic networks during closed-loop hippocampal downregulation. Brain, 2020, 143, 976-992.	7.6	16

#	Article	IF	Citations
91	Modeling of high-energy contamination in SPECT imaging using Monte Carlo simulation. IEEE Transactions on Nuclear Science, 2006, 53, 198-203.	2.0	15
92	Post-surgical changes in brain metabolism detected by magnetic resonance spectroscopy in normal pressure hydrocephalus: results of a pilot study. Journal of Neurology, Neurosurgery and Psychiatry, 2006, 78, 760-763.	1.9	15
93	Distinct Cognitive and Brain Morphological Features in Healthy Subjects Unaware of Informant-Reported Cognitive Decline. Journal of Alzheimer's Disease, 2018, 65, 181-191.	2.6	15
94	The relation between APOE genotype and cerebral microbleeds in cognitively unimpaired middle- and old-aged individuals. Neurobiology of Aging, 2020, 95, 104-114.	3.1	15
95	Development of a variable-radius pinhole SPECT system with a portable gamma camera. Revista EspaÃ±ola De Medicina Nuclear, 2011, 30, 286-291.	0.3	14
96	Geometrical response modeling in fan-beam collimators-a numerical simulation. IEEE Transactions on Nuclear Science, 2002, 49, 17-24.	2.0	13
97	Mild Developmental Foreign Accent Syndrome and Psychiatric Comorbidity: Altered White Matter Integrity in Speech and Emotion Regulation Networks. Frontiers in Human Neuroscience, 2016, 10, 399.	2.0	13
98	The protective gene dose effect of the APOEÎµ2 allele on gray matter volume in cognitively unimpaired individuals. Alzheimer's and Dementia, 2022, 18, 1383-1395.	0.8	13
99	Evaluation of algorithms for the registration of 99Tcm-HMPAO brain SPET studies. Nuclear Medicine Communications, 1999, 20, 227-236.	1.1	12
100	Nonlinear interaction between <scp>APOE</scp>Îµ4 allele load and age in the hippocampal surface of cognitively intact individuals. Human Brain Mapping, 2021, 42, 47-64.	3.6	12
101	Brain alterations in the early Alzheimerâ€™s continuum with amyloid-Î², tau, glial and neurodegeneration CSF markers. Brain Communications, 2022, 4, .	3.3	12
102	Evaluation of a cross-validation stopping rule in MLE SPECT reconstruction. Physics in Medicine and Biology, 1998, 43, 1271-1283.	3.0	11
103	Assessment of SPM in Perfusion Brain SPECT Studies. A Numerical Simulation Study Using Bootstrap Resampling Methods. IEEE Transactions on Biomedical Engineering, 2008, 55, 1849-1853.	4.2	11
104	A continuous emotional task activates the left amygdala in healthy volunteers: 18FDG PET study. Psychiatry Research - Neuroimaging, 2009, 171, 199-206.	1.8	10
105	fMRI of the sensorimotor cortex in patients with traumatic brain injury after intensive rehabilitation. Neurological Sciences, 2011, 32, 633-639.	1.9	10
106	Association between genetic variants of serotonergic and glutamatergic pathways and the concentration of neurometabolites of the anterior cingulate cortex in paediatric patients with obsessiveâ€“compulsive disorder. World Journal of Biological Psychiatry, 2016, 17, 394-404.	2.6	10
107	Functional connectivity alterations associated with literacy difficulties in early readers. Brain Imaging and Behavior, 2021, 15, 2109-2120.	2.1	10
108	Effect of anatomical variability, reconstruction algorithms and scattered photons on the SPM output of brain PET studies. NeuroImage, 2008, 39, 1121-1128.	4.2	9

#	Article	IF	Citations
109	Prefrontal brain metabolites in short-term weight-recovered adolescent anorexia nervosa patients. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 1049-1053.	4.8	9
110	Management and Quality Control of Large Neuroimaging Datasets: Developments From the BarcelonaÎ²eta Brain Research Center. Frontiers in Neuroscience, 2021, 15, 633438.	2.8	9
111	Evaluating Structural Connectomics in Relation to Different Q-space Sampling Techniques. Lecture Notes in Computer Science, 2013, 16, 671-678.	1.3	9
112	Age, sex and APOE-Îµ4 modify the balance between soluble and fibrillar Î²-amyloid in non-demented individuals: topographical patterns across two independent cohorts. Molecular Psychiatry, 2022, 27, 2010-2018.	7.9	9
113	Altered amygdalar restingâ€state connectivity in depression is explained by both genes and environment. Human Brain Mapping, 2015, 36, 3761-3776.	3.6	8
114	Cognitively unimpaired individuals with a low burden of AÎ² pathology have a distinct CSF biomarker profile. Alzheimer's Research and Therapy, 2021, 13, 134.	6.2	8
115	Cortical thickness correlates of psychotic experiences: Examining the effect of season of birth using a genetically informative design. Journal of Psychiatric Research, 2014, 56, 144-149.	3.1	7
116	APOE-Îµ4 Shapes the Cerebral Organization in Cognitively Intact Individuals as Reflected by Structural Gray Matter Networks. Cerebral Cortex, 2020, 30, 4110-4120.	2.9	7
117	Brain correlates of urban environmental exposures in cognitively unimpaired individuals at increased risk for Alzheimer's disease: A study on Barcelona's population. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12205.	2.4	7
118	Genetic Predisposition to Alzheimerâ€™s Disease Is Associated with Enlargement of Perivascular Spaces in Centrum Semiovale Region. Genes, 2021, 12, 825.	2.4	7
119	Improved image quality in pinhole SPECT by accurate modeling of the point spread function in low magnification systems. Medical Physics, 2015, 42, 703-714.	3.0	6
120	Associations Between the Subjective Cognitive Decline-Questionnaireâ€™s Scores, Gray Matter Volume, and Amyloid-Î² Levels. Journal of Alzheimer's Disease, 2019, 72, 1287-1302.	2.6	6
121	Birth Weight and Adult IQ, but Not Anxious-Depressive Psychopathology, Are Associated with Cortical Surface Area: A Study in Twins. PLoS ONE, 2015, 10, e0129616.	2.5	6
122	Validation of semi-quantitative methods for DAT SPECT: influence of anatomical variability and partial volume effect. Physics in Medicine and Biology, 2015, 60, 5925-5938.	3.0	5
123	Effect of BDNF Val66Met on hippocampal subfields volumes and compensatory interaction with APOE-Îµ4 in middle-age cognitively unimpaired individuals from the ALFA study. Brain Structure and Function, 2020, 225, 2331-2345.	2.3	5
124	Genotypic effects ofAPOE-Îµ4 on resting-state connectivity in cognitively intact individuals support functional brain compensation. Cerebral Cortex, 2023, 33, 2748-2760.	2.9	5
125	P2â€505: REGIONAL DISTRIBUTION OF WHITE MATTER HYPERINTENSITY CORRELATES WITH COGNITION IN THE ALFA COHORT. Alzheimer's and Dementia, 2018, 14, P925.	0.8	4
126	Sex Differences of Longitudinal Brain Changes in Cognitively Unimpaired Adults. Journal of Alzheimer's Disease, 2020, 76, 1413-1422.	2.6	4

#	Article	IF	Citations
127	Left amygdalar activation in deficit syndrome compared with non-deficit subjects with schizophrenia during the control task in a facial emotion recognition paradigm. Psychiatry Research - Neuroimaging, 2012, 203, 109-110.	1.8	3
128	Association of years to parent's sporadic onset and risk factors with neural integrity and Alzheimer biomarkers. Neurology, 2020, 95, e2065-e2074.	1.1	3
129	Dynamic model of the left ventricle for use in simulation of myocardial perfusion SPECT and gated SPECT. Medical Physics, 2003, 30, 1968-1975.	3.0	2
130	Harmonization of amyloid PET scans minimizes the impact of reconstruction parameters on centiloid values. Alzheimer's and Dementia, 2020, 16, e045294.	0.8	2
131	Perivascular spaces are associated with tau pathophysiology and synaptic dysfunction in early Alzheimerâ€™s continuum. Alzheimer's and Dementia, 2021, 17, .	0.8	2
132	Quantification of rat brain SPECT with123I-ioflupane: evaluation of different reconstruction methods and image degradation compensations using Monte Carlo simulation. Physics in Medicine and Biology, 2014, 59, 4567-4582.	3.0	1
133	Functional magnetic resonance imaging (fMRI) of the sensorimotor cortex in spinal cord injury patient after intensive rehabilitation. Research on Biomedical Engineering, 2020, 36, 129-137.	2.2	1
134	Higher levels of the astrocytic marker CSF YKL40 are associated with better memory performance only in amyloidâ€positive individuals with subjective cognitive decline. Alzheimer's and Dementia, 2021, 17, .	0.8	1
135	Results of a functional magnetic resonance study of the primary auditory cortex (I): general characteristics and individual outcomes. Acta Otorrinolaringologica (English Edition), 2009, 60, 160-168.	0.2	0
136	OC01.04: Analysis of brain structure by MRI voxel based morphometry (VBM) and neurodevelopment in preterm born infants with and without IUGR. Ultrasound in Obstetrics and Gynecology, 2010, 36, 2-2.	1.7	0
137	OC01.05: Assessment of brain volumetry and neurodevelopment of preterm born infants with and without IUGR at 12-18 months of age. Ultrasound in Obstetrics and Gynecology, 2010, 36, 2-2.	1.7	0
138	Evaluation of the novel 3D SPECT modelling algorithm in the STIR reconstruction framework: Simple vs. full attenuation correction. , 2013, , .		0
139	Multiple biological pathways associate with cerebral amyloid load in the early Alzheimer's continuum. Alzheimer's and Dementia, 2020, 16, e044733.	0.8	0
140	Multiple pathophysiological biomarkers are associated with gray matter volume and cerebral glucose metabolism in the early preclinical Alzheimer's continuum. Alzheimer's and Dementia, 2020, 16, e044808.	0.8	0
141	APOE â€Îµ4 shapes temporoâ€parietal network properties in middleâ€aged, cognitively unimpaired individuals: A graph theory analysis. Alzheimer's and Dementia, 2020, 16, e045092.	0.8	0
142	Proximity to parental age at onset exacerbates amyloid burden while mental conditions exacerbate neural loss during midlife. Alzheimer's and Dementia, 2020, 16, e045171.	0.8	0
143	Incidence of subjective cognitive decline is associated with amyloidâ€Î² pathology, whereas stability relates to neurodegeneration. Alzheimer's and Dementia, 2020, 16, e045293.	0.8	0
144	NeAT: a Nonlinear Analysis Toolbox for Neuroimaging. Neuroinformatics, 2020, 18, 517-530.	2.8	0

#	Article	IF	Citations
145	Soundtrack of life: An fMRI study. Behavioural Brain Research, 2022, 418, 113634.	2.2	0
146	Neuropathological features underlying different degrees of MRI signal intensity changes during reperfusion after transient focal ischemia in the rat. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S347-S347.	4.3	0
147	Neuroimaging Methods for MRI Analysis in CSF Biomarkers Studies. Methods in Molecular Biology, 2018, 1750, 165-184.	0.9	0
148	Brain structural alterations in cognitively unimpaired individuals with discordant amyloidâ€Î² PET and CSF AÎ²42 status: Findings using machine learning. Alzheimer's and Dementia, 2021, 17, .	0.8	0
149	Sex differences in genetic susceptibility of hippocampal subfields: A polygenic association study. Alzheimer's and Dementia, 2021, 17, .	0.8	0
150	Machine learning on combined neuroimaging and plasma biomarkers for triaging participants of secondary prevention trials in Alzheimerâ€™s disease. Alzheimer's and Dementia, 2021, 17, .	0.8	0
151	Imaging neurodegeneration markers are associated with multiple pathophysiological mechanisms in the early stages of the Alzheimerâ€™s continuum. Alzheimer's and Dementia, 2021, 17, .	0.8	0
152	Synergistic effects of CSF AÎ²42 and pâ€Tau on functional restingâ€state connectivity in cognitively unimpaired individuals. Alzheimer's and Dementia, 2021, 17, .	0.8	0
153	Structural, metabolic and cognitive characteristics of cognitively unimpaired subjects with mismatching Î²â€amyloid biomarkers. Alzheimer's and Dementia, 2021, 17, .	0.8	0
154	Associations between iron deposition in the brain and grey matter volumes in cognitively unimpaired adults. Alzheimer's and Dementia, 2021, 17, .	0.8	0
155	Impaired default mode network along with increased functional connectivity of the medial temporal lobe as a function of CSF pâ€Tau/Ab42 ratio in cognitively unimpaired individuals. Alzheimer's and Dementia, 2021, 17, .	0.8	0