

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

81743

39
h-index

102304

66
g-index

162
all docs

162
docs citations

162
times ranked

9347
citing authors

#	ARTICLE	IF	CITATIONS
1	Genotypic effects of <i>APOE</i> - β 4 on resting-state connectivity in cognitively intact individuals support functional brain compensation. <i>Cerebral Cortex</i> , 2023, 33, 2748-2760.	1.6	5
2	Soundtrack of life: An fMRI study. <i>Behavioural Brain Research</i> , 2022, 418, 113634.	1.2	0
3	Age, sex and <i>APOE</i> - β 4 modify the balance between soluble and fibrillar β -amyloid in non-demented individuals: topographical patterns across two independent cohorts. <i>Molecular Psychiatry</i> , 2022, 27, 2010-2018.	4.1	9
4	The protective gene dose effect of the <i>APOE</i> - β 2 allele on gray matter volume in cognitively unimpaired individuals. <i>Alzheimer's and Dementia</i> , 2022, 18, 1383-1395.	0.4	13
5	Brain alterations in the early Alzheimer's continuum with amyloid- β 2, tau, glial and neurodegeneration CSF markers. <i>Brain Communications</i> , 2022, 4, .	1.5	12
6	Functional connectivity alterations associated with literacy difficulties in early readers. <i>Brain Imaging and Behavior</i> , 2021, 15, 2109-2120.	1.1	10
7	Nonlinear interaction between <i>APOE</i> - β 4 allele load and age in the hippocampal surface of cognitively intact individuals. <i>Human Brain Mapping</i> , 2021, 42, 47-64.	1.9	12
8	Brain correlates of urban environmental exposures in cognitively unimpaired individuals at increased risk for Alzheimer's disease: A study on Barcelona's population. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021, 13, e12205.	1.2	7
9	Subclinical Atherosclerosis and Brain Metabolism in Middle-Aged Individuals. <i>Journal of the American College of Cardiology</i> , 2021, 77, 888-898.	1.2	24
10	DHA intake relates to better cerebrovascular and neurodegeneration neuroimaging phenotypes in middle-aged adults at increased genetic risk of Alzheimer disease. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 1627-1635.	2.2	17
11	Management and Quality Control of Large Neuroimaging Datasets: Developments From the Barcelona's Brain Research Center. <i>Frontiers in Neuroscience</i> , 2021, 15, 633438.	1.4	9
12	Genetic Predisposition to Alzheimer's Disease Is Associated with Enlargement of Perivascular Spaces in Centrum Semiovale Region. <i>Genes</i> , 2021, 12, 825.	1.0	7
13	Cognitively unimpaired individuals with a low burden of β pathology have a distinct CSF biomarker profile. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 134.	3.0	8
14	Perivascular spaces are associated with tau pathophysiology and synaptic dysfunction in early Alzheimer's continuum. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 135.	3.0	30
15	CSF Synaptic Biomarkers in the Preclinical Stage of Alzheimer Disease and Their Association With MRI and PET. <i>Neurology</i> , 2021, 97, e2065-e2078.	1.5	40
16	Higher levels of the astrocytic marker CSF YKL40 are associated with better memory performance only in amyloid- β positive individuals with subjective cognitive decline. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	1
17	Brain structural alterations in cognitively unimpaired individuals with discordant amyloid- β PET and CSF β 42 status: Findings using machine learning. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
18	Sex differences in genetic susceptibility of hippocampal subfields: A polygenic association study. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0

#	ARTICLE	IF	CITATIONS
19	Machine learning on combined neuroimaging and plasma biomarkers for triaging participants of secondary prevention trials in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
20	Imaging neurodegeneration markers are associated with multiple pathophysiological mechanisms in the early stages of the Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
21	Perivascular spaces are associated with tau pathophysiology and synaptic dysfunction in early Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	2
22	Synergistic effects of CSF A β 42 and p τ on functional resting-state connectivity in cognitively unimpaired individuals. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
23	Structural, metabolic and cognitive characteristics of cognitively unimpaired subjects with mismatching β 2 amyloid biomarkers. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
24	Associations between iron deposition in the brain and grey matter volumes in cognitively unimpaired adults. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
25	Impaired default mode network along with increased functional connectivity of the medial temporal lobe as a function of CSF p τ /Ab42 ratio in cognitively unimpaired individuals. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
26	Patterns of white matter hyperintensities associated with cognition in middle-aged cognitively healthy individuals. <i>Brain Imaging and Behavior</i> , 2020, 14, 2012-2023.	1.1	40
27	Association between insomnia and cognitive performance, gray matter volume, and white matter microstructure in cognitively unimpaired adults. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 4.	3.0	53
28	White matter hyperintensities mediate gray matter volume and processing speed relationship in cognitively unimpaired participants. <i>Human Brain Mapping</i> , 2020, 41, 1309-1322.	1.9	27
29	Sex Differences of Longitudinal Brain Changes in Cognitively Unimpaired Adults. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 1413-1422.	1.2	4
30	Association of years to parent's sporadic onset and risk factors with neural integrity and Alzheimer biomarkers. <i>Neurology</i> , 2020, 95, e2065-e2074.	1.5	3
31	Effect of BDNF Val66Met on hippocampal subfields volumes and compensatory interaction with APOE- ϵ 4 in middle-age cognitively unimpaired individuals from the ALFA study. <i>Brain Structure and Function</i> , 2020, 225, 2331-2345.	1.2	5
32	Novel tau biomarkers phosphorylated at T181, T217 or T231 rise in the initial stages of the preclinical Alzheimer's continuum when only subtle changes in A β pathology are detected. <i>EMBO Molecular Medicine</i> , 2020, 12, e12921.	3.3	202
33	Multiple biological pathways associate with cerebral amyloid load in the early Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2020, 16, e044733.	0.4	0
34	Multiple pathophysiological biomarkers are associated with gray matter volume and cerebral glucose metabolism in the early preclinical Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2020, 16, e044808.	0.4	0
35	APOE ϵ 4 shapes temporo-parietal network properties in middle-aged, cognitively unimpaired individuals: A graph theory analysis. <i>Alzheimer's and Dementia</i> , 2020, 16, e045092.	0.4	0
36	Proximity to parental age at onset exacerbates amyloid burden while mental conditions exacerbate neural loss during midlife. <i>Alzheimer's and Dementia</i> , 2020, 16, e045171.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Incidence of subjective cognitive decline is associated with amyloid- β pathology, whereas stability relates to neurodegeneration. <i>Alzheimer's and Dementia</i> , 2020, 16, e045293.	0.4	0
38	Harmonization of amyloid PET scans minimizes the impact of reconstruction parameters on centiloid values. <i>Alzheimer's and Dementia</i> , 2020, 16, e045294.	0.4	2
39	APOE- ϵ 4 Shapes the Cerebral Organization in Cognitively Intact Individuals as Reflected by Structural Gray Matter Networks. <i>Cerebral Cortex</i> , 2020, 30, 4110-4120.	1.6	7
40	NeAT: a Nonlinear Analysis Toolbox for Neuroimaging. <i>Neuroinformatics</i> , 2020, 18, 517-530.	1.5	0
41	Impact of urban environmental exposures on cognitive performance and brain structure of healthy individuals at risk for Alzheimer's dementia. <i>Environment International</i> , 2020, 138, 105546.	4.8	69
42	The relation between APOE genotype and cerebral microbleeds in cognitively unimpaired middle- and old-aged individuals. <i>Neurobiology of Aging</i> , 2020, 95, 104-114.	1.5	15
43	Earliest amyloid and tau deposition modulate the influence of limbic networks during closed-loop hippocampal downregulation. <i>Brain</i> , 2020, 143, 976-992.	3.7	16
44	Functional magnetic resonance imaging (fMRI) of the sensorimotor cortex in spinal cord injury patient after intensive rehabilitation. <i>Research on Biomedical Engineering</i> , 2020, 36, 129-137.	1.5	1
45	Prediction of amyloid pathology in cognitively unimpaired individuals using voxel-wise analysis of longitudinal structural brain MRI. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 72.	3.0	23
46	Associations Between the Subjective Cognitive Decline-Questionnaire's Scores, Gray Matter Volume, and Amyloid- β Levels. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 1287-1302.	1.2	6
47	Interactive effect of age and APOE- ϵ 4 allele load on white matter myelin content in cognitively normal middle-aged subjects. <i>NeuroImage: Clinical</i> , 2019, 24, 101983.	1.4	30
48	Spatial patterns of white matter hyperintensities associated with Alzheimer's disease risk factors in a cognitively healthy middle-aged cohort. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 12.	3.0	46
49	APOE- ϵ 4 risk variant for Alzheimer's disease modifies the association between cognitive performance and cerebral morphology in healthy middle-aged individuals. <i>NeuroImage: Clinical</i> , 2019, 23, 101818.	1.4	18
50	Centiloid cut-off values for optimal agreement between PET and CSF core AD biomarkers. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 27.	3.0	82
51	Mechanisms of functional compensation, delineated by eigenvector centrality mapping, across the pathophysiological continuum of Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2019, 22, 101777.	1.4	29
52	CSF glial biomarkers YKL40 and sTREM2 are associated with longitudinal volume and diffusivity changes in cognitively unimpaired individuals. <i>NeuroImage: Clinical</i> , 2019, 23, 101801.	1.4	26
53	Longitudinal structural cerebral changes related to core CSF biomarkers in preclinical Alzheimer's disease: A study of two independent datasets. <i>NeuroImage: Clinical</i> , 2018, 19, 190-201.	1.4	16
54	Increased methylation at an unexplored glucocorticoid responsive element within exon 1D of NR3C1 gene is related to anxious-depressive disorders and decreased hippocampal connectivity. <i>European Neuropsychopharmacology</i> , 2018, 28, 579-588.	0.3	44

#	ARTICLE	IF	CITATIONS
55	Structural Connectivity Alterations Along the Alzheimer's Disease Continuum: Reproducibility Across Two Independent Samples and Correlation with Cerebrospinal Fluid Amyloid- β and Tau. <i>Journal of Alzheimer's Disease</i> , 2018, 61, 1575-1587.	1.2	25
56	Effects of APOE ϵ 4 allele load on brain morphology in a cohort of middle-aged healthy individuals with enriched genetic risk for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2018, 14, 902-912.	0.4	98
57	Higher prevalence of cerebral white matter hyperintensities in homozygous APOE ϵ 4 allele carriers aged 45-75: Results from the ALFA study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 250-261.	2.4	29
58	P2505: REGIONAL DISTRIBUTION OF WHITE MATTER HYPERINTENSITY CORRELATES WITH COGNITION IN THE ALFA COHORT. <i>Alzheimer's and Dementia</i> , 2018, 14, P925.	0.4	4
59	Brain and cognitive correlates of subjective cognitive decline-plus features in a population-based cohort. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 123.	3.0	73
60	Episodic memory and executive functions in cognitively healthy individuals display distinct neuroanatomical correlates which are differentially modulated by aging. <i>Human Brain Mapping</i> , 2018, 39, 4565-4579.	1.9	32
61	Distinct Cognitive and Brain Morphological Features in Healthy Subjects Unaware of Informant-Reported Cognitive Decline. <i>Journal of Alzheimer's Disease</i> , 2018, 65, 181-191.	1.2	15
62	MRI-Based Screening of Preclinical Alzheimer's Disease for Prevention Clinical Trials. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 1099-1112.	1.2	18
63	White matter microstructure is altered in cognitively normal middle-aged APOE ϵ 4 homozygotes. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 48.	3.0	43
64	A comparison of various MRI feature types for characterizing whole brain anatomical differences using linear pattern recognition methods. <i>NeuroImage</i> , 2018, 178, 753-768.	2.1	33
65	Neuroimaging Methods for MRI Analysis in CSF Biomarkers Studies. <i>Methods in Molecular Biology</i> , 2018, 1750, 165-184.	0.4	0
66	FKBP5 modulates the hippocampal connectivity deficits in depression: a study in twins. <i>Brain Imaging and Behavior</i> , 2017, 11, 62-75.	1.1	34
67	The APOE ϵ 4 genotype modulates CSF YKL40 levels and their structural brain correlates in the continuum of Alzheimer's disease but not those of sTREM2. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 6, 50-59.	1.2	36
68	A whole-brain computational modeling approach to explain the alterations in resting-state functional connectivity during progression of Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2017, 16, 343-354.	1.4	73
69	Mild Developmental Foreign Accent Syndrome and Psychiatric Comorbidity: Altered White Matter Integrity in Speech and Emotion Regulation Networks. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 399.	1.0	13
70	Environmental factors linked to depression vulnerability are associated with altered cerebellar resting-state synchronization. <i>Scientific Reports</i> , 2016, 6, 37384.	1.6	21
71	Dynamic functional connectivity reveals altered variability in functional connectivity among patients with major depressive disorder. <i>Human Brain Mapping</i> , 2016, 37, 2918-2930.	1.9	186
72	Reproducibility of the Structural Connectome Reconstruction across Diffusion Methods. <i>Journal of Neuroimaging</i> , 2016, 26, 46-57.	1.0	19

#	ARTICLE	IF	CITATIONS
73	Cerebrospinal fluid sTREM2 levels are associated with gray matter volume increases and reduced diffusivity in early Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2016, 12, 1259-1272.	0.4	86
74	Combined 18F-FDG-PET and diffusion tensor imaging in mesial temporal lobe epilepsy with hippocampal sclerosis. <i>NeuroImage: Clinical</i> , 2016, 12, 976-989.	1.4	24
75	Association between genetic variants of serotonergic and glutamatergic pathways and the concentration of neurometabolites of the anterior cingulate cortex in paediatric patients with obsessive-compulsive disorder. <i>World Journal of Biological Psychiatry</i> , 2016, 17, 394-404.	1.3	10
76	CSF YKL-40 and pTau181 are related to different cerebral morphometric patterns in early AD. <i>Neurobiology of Aging</i> , 2016, 38, 47-55.	1.5	54
77	Improved image quality in pinhole SPECT by accurate modeling of the point spread function in low magnification systems. <i>Medical Physics</i> , 2015, 42, 703-714.	1.6	6
78	Altered amygdalar resting-state connectivity in depression is explained by both genes and environment. <i>Human Brain Mapping</i> , 2015, 36, 3761-3776.	1.9	8
79	<i>APOE</i>-by-sex interactions on brain structure and metabolism in healthy elderly controls. <i>Oncotarget</i> , 2015, 6, 26663-26674.	0.8	92
80	PET/MRI and PET/MRI/SISCOM coregistration in the presurgical evaluation of refractory focal epilepsy. <i>Epilepsy Research</i> , 2015, 111, 1-9.	0.8	50
81	Neurochemical Modulation in Posteromedial Default-mode Network Cortex Induced by Transcranial Magnetic Stimulation. <i>Brain Stimulation</i> , 2015, 8, 937-944.	0.7	42
82	Nonlinear cerebral atrophy patterns across the Alzheimer's disease continuum: impact of APOE4 genotype. <i>Neurobiology of Aging</i> , 2015, 36, 2687-2701.	1.5	46
83	Validation of semi-quantitative methods for DAT SPECT: influence of anatomical variability and partial volume effect. <i>Physics in Medicine and Biology</i> , 2015, 60, 5925-5938.	1.6	5
84	1H-MRS of the anterior cingulate cortex in childhood and adolescent obsessive-compulsive disorder: A case-control study. <i>European Neuropsychopharmacology</i> , 2015, 25, 60-68.	0.3	31
85	Birth Weight and Adult IQ, but Not Anxious-Depressive Psychopathology, Are Associated with Cortical Surface Area: A Study in Twins. <i>PLoS ONE</i> , 2015, 10, e0129616.	1.1	6
86	Brain Metabolism during Hallucination-Like Auditory Stimulation in Schizophrenia. <i>PLoS ONE</i> , 2014, 9, e84987.	1.1	25
87	Cognitive functions in multiple sclerosis: impact of gray matter integrity. <i>Multiple Sclerosis Journal</i> , 2014, 20, 424-432.	1.4	47
88	Quantification of rat brain SPECT with 123I-ioflupane: evaluation of different reconstruction methods and image degradation compensations using Monte Carlo simulation. <i>Physics in Medicine and Biology</i> , 2014, 59, 4567-4582.	1.6	1
89	Trans-synaptic axonal degeneration in the visual pathway in multiple sclerosis. <i>Annals of Neurology</i> , 2014, 75, 98-107.	2.8	206
90	Regional vulnerability of hippocampal subfields to aging measured by structural and diffusion MRI. <i>Hippocampus</i> , 2014, 24, 403-414.	0.9	67

#	ARTICLE	IF	CITATIONS
91	Cortical thickness correlates of psychotic experiences: Examining the effect of season of birth using a genetically informative design. <i>Journal of Psychiatric Research</i> , 2014, 56, 144-149.	1.5	7
92	Task-dependent Activity and Connectivity Predict Episodic Memory Network-based Responses to Brain Stimulation in Healthy Aging. <i>Brain Stimulation</i> , 2014, 7, 287-296.	0.7	62
93	Modulation of verbal fluency networks by transcranial direct current stimulation (tDCS) in Parkinson's disease. <i>Brain Stimulation</i> , 2013, 6, 16-24.	0.7	135
94	Integration of advanced 3D SPECT modeling into the open-source STIR framework. <i>Medical Physics</i> , 2013, 40, 092502.	1.6	22
95	Evaluation of the novel 3D SPECT modelling algorithm in the STIR reconstruction framework: Simple vs. full attenuation correction. , 2013, , .		0
96	FocusDET, A New Toolbox for SISCO Analysis. Evaluation of the Registration Accuracy Using Monte Carlo Simulation. <i>Neuroinformatics</i> , 2013, 11, 77-89.	1.5	22
97	Regional gray matter reductions are associated with genetic liability for anxiety and depression: An MRI twin study. <i>Journal of Affective Disorders</i> , 2013, 149, 175-181.	2.0	26
98	Normal gray and white matter volume after weight restoration in adolescents with anorexia nervosa. <i>International Journal of Eating Disorders</i> , 2013, 46, 841-848.	2.1	41
99	Ictal EEG-MRI in localization of epileptogenic area in patients with refractory neocortical focal epilepsy. <i>Epilepsia</i> , 2013, 54, 1688-1698.	2.6	22
100	Evaluating Structural Connectomics in Relation to Different Q-space Sampling Techniques. <i>Lecture Notes in Computer Science</i> , 2013, 16, 671-678.	1.0	9
101	Left amygdalar activation in deficit syndrome compared with non-deficit subjects with schizophrenia during the control task in a facial emotion recognition paradigm. <i>Psychiatry Research - Neuroimaging</i> , 2012, 203, 109-110.	0.9	3
102	Modulation of large-scale brain networks by transcranial direct current stimulation evidenced by resting-state functional MRI. <i>Brain Stimulation</i> , 2012, 5, 252-263.	0.7	261
103	Proton magnetic resonance spectroscopy in pediatric obsessive-compulsive disorder: Longitudinal study before and after treatment. <i>Psychiatry Research - Neuroimaging</i> , 2012, 201, 17-24.	0.9	29
104	Influence of Corpus Callosum Damage on Cognition and Physical Disability in Multiple Sclerosis: A Multimodal Study. <i>PLoS ONE</i> , 2012, 7, e37167.	1.1	68
105	A voxel-based morphometric MRI study of stabilized obsessive-compulsive adolescent patients. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 1863-1869.	2.5	22
106	Epilepsy causing pupillary hippus: an unusual semiology. <i>Epilepsia</i> , 2011, 52, e93-6.	2.6	17
107	Functional neuroimaging in startle epilepsy: Involvement of a mesial frontoparietal network. <i>Epilepsia</i> , 2011, 52, 1725-1732.	2.6	33
108	Development of a variable-radius pinhole SPECT system with a portable gamma camera. <i>Revista Española De Medicina Nuclear</i> , 2011, 30, 286-291.	0.3	14

#	ARTICLE	IF	CITATIONS
109	Differential effects of intrauterine growth restriction on brain structure and development in preterm infants: A magnetic resonance imaging study. <i>Brain Research</i> , 2011, 1382, 98-108.	1.1	149
110	fMRI of the sensorimotor cortex in patients with traumatic brain injury after intensive rehabilitation. <i>Neurological Sciences</i> , 2011, 32, 633-639.	0.9	10
111	Differential brain glucose metabolic patterns in antipsychotic-naïve first-episode schizophrenia with and without auditory verbal hallucinations. <i>Journal of Psychiatry and Neuroscience</i> , 2011, 36, 312-321.	1.4	29
112	OC01.04: Analysis of brain structure by MRI voxel based morphometry (VBM) and neurodevelopment in preterm born infants with and without IUGR. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010, 36, 2-2.	0.9	0
113	OC01.05: Assessment of brain volumetry and neurodevelopment of preterm born infants with and without IUGR at 12-18 months of age. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010, 36, 2-2.	0.9	0
114	18FDG PET study of amygdalar activity during facial emotion recognition in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2010, 260, 69-76.	1.8	29
115	A cross-sectional and follow-up functional MRI study with a working memory task in adolescent anorexia nervosa. <i>Neuropsychologia</i> , 2010, 48, 4111-4116.	0.7	48
116	Glucose and caffeine effects on sustained attention: an exploratory fMRI study.. <i>Human Psychopharmacology</i> , 2010, 25, 543-552.	0.7	41
117	Frontal and associative visual areas related to visual hallucinations in dementia with Lewy bodies and Parkinson's disease with dementia. <i>Movement Disorders</i> , 2010, 25, 615-622.	2.2	109
118	Cognitive reserve modulates task-induced activations and deactivations in healthy elders, amnesic mild cognitive impairment and mild Alzheimer's disease. <i>Cortex</i> , 2010, 46, 451-461.	1.1	136
119	Prefrontal brain metabolites in short-term weight-recovered adolescent anorexia nervosa patients. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2010, 34, 1049-1053.	2.5	9
120	Decreased Regional Brain Volume and Cognitive Impairment in Preterm Children at Low Risk. <i>Pediatrics</i> , 2009, 124, e1161-e1170.	1.0	116
121	Microstructural white matter changes in metabolic syndrome. <i>Neurology</i> , 2009, 73, 438-444.	1.5	87
122	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. <i>Current Neurovascular Research</i> , 2009, 6, 82-88.	0.4	23
123	A continuous emotional task activates the left amygdala in healthy volunteers: 18FDG PET study. <i>Psychiatry Research - Neuroimaging</i> , 2009, 171, 199-206.	0.9	10
124	Brain changes in children and adolescents with obsessive-compulsive disorder before and after treatment: A voxel-based morphometric MRI study. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 140-146.	0.9	71
125	A cross-sectional and follow-up voxel-based morphometric MRI study in adolescent anorexia nervosa. <i>Journal of Psychiatric Research</i> , 2009, 43, 331-340.	1.5	158
126	Correlations between gray matter reductions and cognitive deficits in dementia with Lewy Bodies and Parkinson's disease with dementia. <i>Movement Disorders</i> , 2009, 24, 1740-1746.	2.2	63

#	ARTICLE	IF	CITATIONS
127	Interactions of cognitive reserve with regional brain anatomy and brain function during a working memory task in healthy elders. <i>Biological Psychology</i> , 2009, 80, 256-259.	1.1	81
128	Progressive gray matter changes in first episode schizophrenia: A 4-year longitudinal magnetic resonance study using VBM. <i>Schizophrenia Research</i> , 2009, 114, 136-143.	1.1	94
129	Results of a functional magnetic resonance study of the primary auditory cortex (I): general characteristics and individual outcomes. <i>Acta Otorrinolaringologica (English Edition)</i> , 2009, 60, 160-168.	0.1	0
130	Quantification of dopaminergic neurotransmission SPECT studies with 123I-labelled radioligands. A comparison between different imaging systems and data acquisition protocols using Monte Carlo simulation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 1334-1342.	3.3	38
131	Assessment of SPM in Perfusion Brain SPECT Studies. A Numerical Simulation Study Using Bootstrap Resampling Methods. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 1849-1853.	2.5	11
132	Patterns of cerebral white matter damage and cognitive impairment in adolescents born very preterm. <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 647-654.	0.7	95
133	Functional connectivity of the hippocampus in elderly with mild memory dysfunction carrying the APOE ϵ 4 allele. <i>Neurobiology of Aging</i> , 2008, 29, 1644-1653.	1.5	23
134	Effect of anatomical variability, reconstruction algorithms and scattered photons on the SPM output of brain PET studies. <i>NeuroImage</i> , 2008, 39, 1121-1128.	2.1	9
135	A longitudinal fMRI study of working memory in severe TBI patients with diffuse axonal injury. <i>NeuroImage</i> , 2008, 43, 421-429.	2.1	74
136	Proton Magnetic Resonance Spectroscopy Reveals Medial Temporal Metabolic Abnormalities in Adolescents With History of Preterm Birth. <i>Pediatric Research</i> , 2008, 64, 572-577.	1.1	22
137	Frontal Hypoactivation on Functional Magnetic Resonance Imaging in Working Memory after Severe Diffuse Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2008, 25, 479-494.	1.7	62
138	Adolescent anorexia nervosa: Cross-sectional and follow-up frontal gray matter disturbances detected with proton magnetic resonance spectroscopy. <i>Journal of Psychiatric Research</i> , 2007, 41, 952-958.	1.5	51
139	Modeling of high-energy contamination in SPECT imaging using Monte Carlo simulation. <i>IEEE Transactions on Nuclear Science</i> , 2006, 53, 198-203.	1.2	15
140	Brain T1 intensity changes after levodopa administration in healthy subjects: a voxel-based morphometry study. <i>British Journal of Clinical Pharmacology</i> , 2006, 62, 546-551.	1.1	36
141	Why Does Acute Hyperglycemia Worsen the Outcome of Transient Focal Cerebral Ischemia?. <i>Stroke</i> , 2006, 37, 1288-1295.	1.0	76
142	Modest MRI Signal Intensity Changes Precede Delayed Cortical Necrosis After Transient Focal Ischemia in the Rat. <i>Stroke</i> , 2006, 37, 1525-1532.	1.0	31
143	Post-surgical changes in brain metabolism detected by magnetic resonance spectroscopy in normal pressure hydrocephalus: results of a pilot study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2006, 78, 760-763.	0.9	15
144	Repetitive Transcranial Magnetic Stimulation Effects on Brain Function and Cognition among Elders with Memory Dysfunction. A Randomized Sham-Controlled Study. <i>Cerebral Cortex</i> , 2006, 16, 1487-1493.	1.6	169

#	ARTICLE	IF	CITATIONS
145	Hippocampal functional magnetic resonance imaging during a face-name learning task in adolescents with antecedents of prematurity. <i>NeuroImage</i> , 2005, 25, 561-569.	2.1	35
146	Neuropathological features underlying different degrees of MRI signal intensity changes during reperfusion after transient focal ischemia in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S347-S347.	2.4	0
147	Absolute quantification in dopaminergic neurotransmission SPECT using a Monte Carlo-based scatter correction and fully 3-dimensional reconstruction. <i>Journal of Nuclear Medicine</i> , 2005, 46, 1497-504.	2.8	23
148	Decreased cerebral activation during CPT performance. <i>NeuroImage</i> , 2004, 21, 840-847.	2.1	110
149	Iterative reconstruction with correction of the spatially variant fan-beam collimator response in neurotransmission SPET imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 1322-1329.	3.3	30
150	Dynamic model of the left ventricle for use in simulation of myocardial perfusion SPECT and gated SPECT. <i>Medical Physics</i> , 2003, 30, 1968-1975.	1.6	2
151	Geometrical response modeling in fan-beam collimators-a numerical simulation. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 17-24.	1.2	13
152	Characterisation of fan-beam collimators. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2001, 28, 144-149.	2.2	26
153	Evaluation of algorithms for the registration of 99Tcm-HMPAO brain SPET studies. <i>Nuclear Medicine Communications</i> , 1999, 20, 227-236.	0.5	12
154	Evaluation of a cross-validation stopping rule in MLE SPECT reconstruction. <i>Physics in Medicine and Biology</i> , 1998, 43, 1271-1283.	1.6	11
155	The influence of a relaxation parameter on SPECT iterative reconstruction algorithms. <i>Physics in Medicine and Biology</i> , 1996, 41, 925-937.	1.6	16