

Joan Domingo Gispert

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

179
papers

4,033
citations

33
h-index

57
g-index

224
ext. papers

5,095
ext. citations

4.7
avg, IF

4.92
L-index

#	Paper	IF	Citations
179	Soundtrack of life: An fMRI study. <i>Behavioural Brain Research</i> , 2022 , 418, 113634	3.4	
178	Quantification of amyloid PET for future clinical use: a state-of-the-art review.. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022 , 1	8.8	1
177	Impact of cerebral blood flow and amyloid load on SUVR bias.. <i>EJNMMI Research</i> , 2022 , 12, 29	3.6	0
176	Comparative Analysis of Different Definitions of Amyloid-Positivity to Detect Early Downstream Pathophysiological Alterations in Preclinical Alzheimer. <i>Journal of prevention of Alzheimer's disease, The</i> , 2021 , 8, 68-77	3.8	7
175	Differences Between Plasma and Cerebrospinal Fluid Glial Fibrillary Acidic Protein Levels Across the Alzheimer Disease Continuum. <i>JAMA Neurology</i> , 2021 , 78, 1471-1483	17.2	18
174	Single-cell Transcriptional Changes in Neurodegenerative Diseases. <i>Neuroscience</i> , 2021 , 479, 192-205	3.9	2
173	P-tau235: a novel biomarker for staging preclinical Alzheimer's disease. <i>EMBO Molecular Medicine</i> , 2021 , 13, e15098	12	4
172	Cerebral amyloid-load is associated with neurodegeneration and gliosis: Mediation by p-tau and interactions with risk factors early in the Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2021 , 17, 788-800	1.2	3
171	A multisite analysis of the concordance between visual image interpretation and quantitative analysis of [F]flutemetamol amyloid PET images. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 2183-2199	8.8	3
170	Management and Quality Control of Large Neuroimaging Datasets: Developments From the BarcelonaBeta Brain Research Center. <i>Frontiers in Neuroscience</i> , 2021 , 15, 633438	5.1	4
169	Application of the ATN classification scheme in a population without dementia: Findings from the EPAD cohort. <i>Alzheimer's and Dementia</i> , 2021 , 17, 1189-1204	1.2	9
168	Strategies to reduce sample sizes in Alzheimer's disease primary and secondary prevention trials using longitudinal amyloid PET imaging. <i>Alzheimer's Research and Therapy</i> , 2021 , 13, 82	9	3
167	Uncertainty analysis of MR-PET image registration for precision neuro-PET imaging. <i>NeuroImage</i> , 2021 , 232, 117821	7.9	1
166	Genetic Influences on Hippocampal Subfields: An Emerging Area of Neuroscience Research. <i>Neurology: Genetics</i> , 2021 , 7, e591	3.8	1
165	Genetic Predisposition to Alzheimer's Disease Is Associated with Enlargement of Perivascular Spaces in Centrum Semiovale Region. <i>Genes</i> , 2021 , 12,	4.2	1
164	Cognitively unimpaired individuals with a low burden of A β pathology have a distinct CSF biomarker profile. <i>Alzheimer's Research and Therapy</i> , 2021 , 13, 134	9	4
163	Parametric imaging of dual-time window [F]flutemetamol and [F]florbetaben studies. <i>NeuroImage</i> , 2021 , 234, 117953	7.9	2

162	Simulating the effect of cerebral blood flow changes on regional quantification of [F]flutemetamol and [F]florbetaben studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 579-589	7.3	7
161	Nonlinear interaction between APOE ϵ allele load and age in the hippocampal surface of cognitively intact individuals. <i>Human Brain Mapping</i> , 2021 , 42, 47-64	5.9	4
160	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	5.2	0
159	Subclinical Atherosclerosis and Brain Metabolism in Middle-Aged Individuals: The PESA Study. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 888-898	15.1	4
158	Visual assessment of [F]flutemetamol PET images can detect early amyloid pathology and grade its extent. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 2169-2182	8.8	5
157	Differential associations of APOE- ϵ and APOE- δ alleles with PET-measured amyloid- β and tau deposition in older individuals without dementia. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 2212-2224	8.8	6
156	Association of weight change with cerebrospinal fluid biomarkers and amyloid positron emission tomography in preclinical Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2021 , 13, 46	9	2
155	Amyloid- β positive individuals with subjective cognitive decline present increased CSF neurofilament light levels that relate to lower hippocampal volume. <i>Neurobiology of Aging</i> , 2021 , 104, 24-31	5.6	2
154	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	9	0
153	Enhancing the Sensitivity of Memory Tests: Reference Data for the Free and Cued Selective Reminding Test and the Logical Memory Task from Cognitively Healthy Subjects with Normal Alzheimer's Disease Cerebrospinal Fluid Biomarker Levels. <i>Journal of Alzheimer's Disease</i> , 2021 , 84, 119-128	4.3	1
152	CSF Synaptic Biomarkers in the Preclinical Stage of Alzheimer Disease and Their Association With MRI and PET: A Cross-sectional Study. <i>Neurology</i> , 2021 , 97, e2065-e2078	6.5	2
151	Randomized Phase III Trial of Prophylactic Cranial Irradiation With or Without Hippocampal Avoidance for Small-Cell Lung Cancer (PREMER): A GICOR-GOECF-SEOR Study. <i>Journal of Clinical Oncology</i> , 2021 , 39, 3118-3127	2.2	13
150	Associations between air pollution and biomarkers of Alzheimer's disease in cognitively unimpaired individuals. <i>Environment International</i> , 2021 , 157, 106864	12.9	7
149	The protective gene dose effect of the APOE ϵ allele on gray matter volume in cognitively unimpaired individuals. <i>Alzheimer's and Dementia</i> , 2021 ,	1.2	4
148	Cognitive function and neuroimaging correlates in a subjective cognitive decline population within a multimodal intervention supplemented with green tea extract (PENSA Study): Preliminary results of a voxel-based morphometry study.. <i>Alzheimer's and Dementia</i> , 2021 , 17 Suppl 7, e055894	1.2	1
147	Evaluating robustness of the Centiloid scale against variations in amyloid PET image resolution. <i>Alzheimer's and Dementia</i> , 2021 , 17,	1.2	1
146	Subjective cognitive decline correlates with medial temporal lobe and hippocampal subfield volumetry in cognitively unimpaired participants. <i>Alzheimer's and Dementia</i> , 2020 , 16, e043520	1.2	
145	Amyloid- β /tau, synaptic dysfunction, neurodegeneration, glial and vascular biomarkers in the preclinical stage of the Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2020 , 16, e044444	1.2	

144	Emerging beta-amyloid pathology is associated with tau, synaptic, neurodegeneration and gray matter volume differences. <i>Alzheimer's and Dementia</i> , 2020, 16, e044466	1.2	0
143	Genetically predicted telomere length and Alzheimer's disease endophenotypes: A Mendelian randomization study. <i>Alzheimer's and Dementia</i> , 2020, 16, e044720	1.2	
142	The effect of physical activity on CSF biomarkers of Alzheimer's disease differs between men and women. <i>Alzheimer's and Dementia</i> , 2020, 16, e044722	1.2	
141	Multiple biological pathways associate with cerebral amyloid load in the early Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2020, 16, e044733	1.2	
140	Higher fronto-parietal metabolism parallels a greater impact of amyloid and anxiety on medial temporal areas in women versus men. <i>Alzheimer's and Dementia</i> , 2020, 16, e044780	1.2	
139	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	1.2	
138	PENSA study: Study design, recruitment profiles and participant inclusion in multimodal intervention studies. <i>Alzheimer's and Dementia</i> , 2020, 16, e045074	1.2	
137	APOE- ϵ shapes temporo-parietal network properties in middle-aged, cognitively unimpaired individuals: A graph theory analysis. <i>Alzheimer's and Dementia</i> , 2020, 16, e045092	1.2	
136	Weight loss predicts Alzheimer's disease biomarker positivity in cognitively unimpaired middle-aged adults. <i>Alzheimer's and Dementia</i> , 2020, 16, e045137	1.2	
135	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	1.2	
134	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	1.2	
133	Harmonization of amyloid PET scans minimizes the impact of reconstruction parameters on centiloid values. <i>Alzheimer's and Dementia</i> , 2020, 16, e045294	1.2	1
132	Amyloid-positive individuals with subjective cognitive decline present increased CSF neurofilament light levels that relate to hippocampal volume. <i>Alzheimer's and Dementia</i> , 2020, 16, e045715	1.2	
131	The Barcelonabeta dementia prevention research clinic: Study design, recruitment profiles and inclusion in prevention studies [An update]. <i>Alzheimer's and Dementia</i> , 2020, 16, e045800	1.2	
130	Impact of APOE- ϵ on cerebral amyloid deposition in participants with abnormal soluble amyloid levels. <i>Alzheimer's and Dementia</i> , 2020, 16, e045828	1.2	1
129	ALFA+: A cohort study to understand and model the preclinical stage of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e045935	1.2	
128	Quantitative informant- and self-reports of subjective cognitive decline predict amyloid beta PET outcomes in cognitively unimpaired individuals independently of age and. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020, 12, e12127	5.2	3
127	Amyloid beta, tau, synaptic, neurodegeneration, and glial biomarkers in the preclinical stage of the Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2020, 16, 1358-1371	1.2	44

126	APOE- ϵ Shapes the Cerebral Organization in Cognitively Intact Individuals as Reflected by Structural Gray Matter Networks. <i>Cerebral Cortex</i> , 2020 , 30, 4110-4120	5.1	2
125	NeAT: a Nonlinear Analysis Toolbox for Neuroimaging. <i>Neuroinformatics</i> , 2020 , 18, 517-530	3.2	
124	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	12.9	28
123	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	5.6	4
122	Earliest amyloid and tau deposition modulate the influence of limbic networks during closed-loop hippocampal downregulation. <i>Brain</i> , 2020 , 143, 976-992	11.2	8
121	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	9	24
120	White matter hyperintensities mediate gray matter volume and processing speed relationship in cognitively unimpaired participants. <i>Human Brain Mapping</i> , 2020 , 41, 1309-1322	5.9	13
119	Multitracer model for staging cortical amyloid deposition using PET imaging. <i>Neurology</i> , 2020 , 95, e15386-e15390	6.5	20
118	Sex Differences of Longitudinal Brain Changes in Cognitively Unimpaired Adults. <i>Journal of Alzheimer's Disease</i> , 2020 , 76, 1413-1422	4.3	1
117	Association of years to parent's sporadic onset and risk factors with neural integrity and Alzheimer biomarkers. <i>Neurology</i> , 2020 , 95, e2065-e2074	6.5	1
116	Projection to Latent Spaces Disentangles Pathological Effects on Brain Morphology in the Asymptomatic Phase of Alzheimer's Disease. <i>Frontiers in Neurology</i> , 2020 , 11, 648	4.1	2
115	Effect of BDNF Val66Met on hippocampal subfields volumes and compensatory interaction with APOE- ϵ in middle-age cognitively unimpaired individuals from the ALFA study. <i>Brain Structure and Function</i> , 2020 , 225, 2331-2345	4	3
114	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	12	67
113	Shared Latent Structures Between Imaging Features and Biomarkers in Early Stages of Alzheimer's Disease: A Predictive Study. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 365-376	7.2	0
112	Patterns of white matter hyperintensities associated with cognition in middle-aged cognitively healthy individuals. <i>Brain Imaging and Behavior</i> , 2020 , 14, 2012-2023	4.1	17
111	Quantitative amyloid PET in Alzheimer's disease: the AMYPAD prognostic and natural history study. <i>Alzheimer's and Dementia</i> , 2020 , 16, 750-758	1.2	11
110	Phase III Trial of Prophylactic Cranial Irradiation with or without Hippocampal Avoidance for SMALL-CELL LUNG Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019 , 105, S35-S36	4	12
109	Interactive effect of age and APOE- ϵ allele load on white matter myelin content in cognitively normal middle-aged subjects. <i>NeuroImage: Clinical</i> , 2019 , 24, 101983	5.3	6

108	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	9	24
107	APOE- ϵ 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	5.3	10
106	Centiloid cut-off values for optimal agreement between PET and CSF core AD biomarkers. <i>Alzheimer's Research and Therapy</i> , 2019 , 11, 27	9	45
105	Mechanisms of functional compensation, delineated by eigenvector centrality mapping, across the pathophysiological continuum of Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2019 , 22, 101777	5.3	17
104	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	5.3	17
103	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	9	11
102	Optimized dual-time-window protocols for quantitative [F]lutemetamol and [F]lorbetaben PET studies. <i>EJNMMI Research</i> , 2019 , 9, 32	3.6	19
101	Multipurpose Virtual Reality Environment for Biomedical and Health Applications. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019 , 27, 1511-1520	4.8	10
100	The Crus exhibits stronger functional connectivity with executive network nodes than with the default mode network. <i>Brain</i> , 2018 , 141, e24	11.2	2
99	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	5.3	15
98	The Rationale Behind the New Alzheimer's Disease Conceptualization: Lessons Learned During the Last Decades. <i>Journal of Alzheimer's Disease</i> , 2018 , 62, 1067-1077	4.3	15
97	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	4.3	20
96	Learning non-linear patch embeddings with neural networks for label fusion. <i>Medical Image Analysis</i> , 2018 , 44, 143-155	15.4	12
95	Effects of APOE- ϵ 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	1.2	64
94	Higher prevalence of cerebral white matter hyperintensities in homozygous APOE-e4 allele carriers aged 45-75: Results from the ALFA study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018 , 38, 250-261	7.3	17
93	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	4.3	11
92	MRI-Based Screening of Preclinical Alzheimer's Disease for Prevention Clinical Trials. <i>Journal of Alzheimer's Disease</i> , 2018 , 64, 1099-1112	4.3	11
91	White matter microstructure is altered in cognitively normal middle-aged APOE- ϵ homozygotes. <i>Alzheimer's Research and Therapy</i> , 2018 , 10, 48	9	27

90	Neuroimaging Methods for MRI Analysis in CSF Biomarkers Studies. <i>Methods in Molecular Biology</i> , 2018 , 1750, 165-184	1.4	
89	P2-505: REGIONAL DISTRIBUTION OF WHITE MATTER HYPERINTENSITY CORRELATES WITH COGNITION IN THE ALFA COHORT 2018 , 14, P925-P925		1
88	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	9	57
87	Shared Latent Structures Between Imaging Features and Biomarkers in Early Stages of Alzheimer's Disease. <i>Lecture Notes in Computer Science</i> , 2018 , 60-67	0.9	1
86	Secondary prevention of Alzheimer's dementia: neuroimaging contributions. <i>Alzheimer's Research and Therapy</i> , 2018 , 10, 112	9	27
85	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	5.9	22
84	The APOE4 genotype modulates CSF YKL-40 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	5.2	29
83	Improved Cerebrospinal Fluid-Based Discrimination between Alzheimer's Disease Patients and Controls after Correction for Ventricular Volumes. <i>Journal of Alzheimer's Disease</i> , 2017 , 56, 543-555	4.3	7
82	Incidental findings on brain MRI of cognitively normal first-degree descendants of patients with Alzheimer's disease: a cross-sectional analysis from the ALFA (Alzheimer and Families) project. <i>BMJ Open</i> , 2017 , 7, e013215	3	21
81	Changes in cerebral [F]-FDG uptake induced by acute alcohol administration in a rat model of alcoholism. <i>Behavioural Brain Research</i> , 2017 , 327, 29-33	3.4	8
80	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	5.3	34
79	Characterization of the Biodistribution and Systemic Absorption of TT-173, a New Hemostatic Agent of Recombinant Human Tissue Factor, Using Radiolabeling with 18F. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2017 , 42, 583-592	2.7	2
78	[P1895]: AMYPAD: A EUROPEAN PUBLIC-PRIVATE PARTNERSHIP TO INVESTIGATE THE VALUE OF AMYLOID BRAIN SCANS AS A DIAGNOSTIC AND THERAPEUTIC MARKER FOR ALZHEIMER'S DISEASE 2017 , 13, P420-P420		1
77	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	1.2	67
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	5.6	42
75	sTREM2 cerebrospinal fluid levels are a potential biomarker for microglia activity in early-stage Alzheimer's disease and associate with neuronal injury markers. <i>EMBO Molecular Medicine</i> , 2016 , 8, 466-476	1.2	256
74	Psychometric Properties of the Memory Binding Test: Test-Retest Reliability and Convergent Validity. <i>Journal of Alzheimer's Disease</i> , 2016 , 50, 999-1010	4.3	22
73	The Memory Binding Test: Development of Two Alternate Forms into Spanish and Catalan. <i>Journal of Alzheimer's Disease</i> , 2016 , 52, 283-93	4.3	16

72	The ALFA project: A research platform to identify early pathophysiological features of Alzheimer's disease. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2016 , 2, 82-92	6	63
71	Modeling practice effects in healthy middle-aged participants of the Alzheimer and Families parent cohort. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2016 , 4, 149-158	5.2	3
70	Nonlinear cerebral atrophy patterns across the Alzheimer's disease continuum: impact of APOE4 genotype. <i>Neurobiology of Aging</i> , 2015 , 36, 2687-701	5.6	35
69	Novel methodology for labelling mesoporous silica nanoparticles using the 18F isotope and their in vivo biodistribution by positron emission tomography. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	5
68	Diazepam and Jacobson's progressive relaxation show similar attenuating short-term effects on stress-related brain glucose consumption. <i>European Psychiatry</i> , 2015 , 30, 187-92	6	8
67	Reference Data of the Spanish Memory Binding Test in a Midlife Population from the ALFA STUDY (Alzheimer's and Family). <i>Journal of Alzheimer's Disease</i> , 2015 , 48, 613-25	4.3	16
66	Assessing lung inflammation after nanoparticle inhalation using 2-deoxy-2-[18F]fluoro-D-glucose positron emission tomography imaging. <i>Molecular Imaging and Biology</i> , 2014 , 16, 264-73	3.8	5
65	Relationships between serotonergic and cannabinoid system in depressive-like behavior: a PET study with [11C]-DASB. <i>Journal of Neurochemistry</i> , 2014 , 130, 126-35	6	25
64	Efficient cysteine labelling of peptides with N-succinimidyl 4-[18F]fluorobenzoate: stability study and in vivo biodistribution in rats by positron emission tomography (PET). <i>RSC Advances</i> , 2013 , 3, 8028	3.7	3
63	In vivo evaluation of amyloid deposition and brain glucose metabolism of 5XFAD mice using positron emission tomography. <i>Neurobiology of Aging</i> , 2013 , 34, 1790-8	5.6	52
62	Erythrocytes labeled with [(18) F]SFB as an alternative to radioactive CO for quantification of blood volume with PET. <i>Contrast Media and Molecular Imaging</i> , 2013 , 8, 375-81	3.2	7
61	A personalized preclinical model to evaluate the metastatic potential of patient-derived colon cancer initiating cells. <i>Clinical Cancer Research</i> , 2013 , 19, 6787-801	12.9	63
60	The AD-CSF-index discriminates Alzheimer's disease patients from healthy controls: a validation study. <i>Journal of Alzheimer's Disease</i> , 2013 , 36, 67-77	4.3	43
59	Optimization of [11C]Raclopride Positron Emission Tomographic Rat Studies: Comparison of Methods for Image Quantification. <i>Molecular Imaging</i> , 2013 , 12, 7290.2012.00040	3.7	1
58	In vivo biodistribution of amino-functionalized ceria nanoparticles in rats using positron emission tomography. <i>Molecular Pharmaceutics</i> , 2012 , 9, 3543-50	5.6	47
57	Synthesis and in vivo evaluation of the biodistribution of a 18F-labeled conjugate gold-nanoparticle-peptide with potential biomedical application. <i>Bioconjugate Chemistry</i> , 2012 , 23, 399-408	6.3	82
56	In vivo molecular imaging of the GABA/benzodiazepine receptor complex in the aged rat brain. <i>Neurobiology of Aging</i> , 2012 , 33, 1457-65	5.6	11
55	Gaba and serotonin molecular neuroimaging in essential tremor: a clinical correlation study. <i>Parkinsonism and Related Disorders</i> , 2012 , 18, 876-80	3.6	39

54	Etatenin confers resistance to PI3K and AKT inhibitors and subverts FOXO3a to promote metastasis in colon cancer. <i>Nature Medicine</i> , 2012 , 18, 892-901	50.5	281
53	Rapid and high-yielding cysteine labelling of peptides with N-succinimidyl 4-[18F]fluorobenzoate. <i>Chemical Communications</i> , 2012 , 48, 6118-20	5.8	11
52	Comparison of the Performance Evaluation of the MicroPET R4 Scanner According to NEMA Standards NU 4-2008 and NU 2-2001. <i>IEEE Transactions on Nuclear Science</i> , 2012 , 59, 1879-1886	1.7	8
51	Positron emission tomography with 11C-flumazenil in the rat shows preservation of binding sites during the acute phase after 2 h-transient focal ischemia. <i>Neuroscience</i> , 2011 , 182, 208-16	3.9	21
50	Biodistribution of amino-functionalized diamond nanoparticles. In vivo studies based on 18F radionuclide emission. <i>ACS Nano</i> , 2011 , 5, 5552-9	16.7	120
49	Positron Emission Tomographic Imaging of the Cannabinoid Type 1 Receptor System with [11C]OMAR ([11C]JHU75528): Improvements in Image Quantification Using Wild-Type and Knockout Mice. <i>Molecular Imaging</i> , 2011 , 10, 7290.2011.00019	3.7	3
48	Fronto-limbic dysfunction in borderline personality disorder: a 18F-FDG positron emission tomography study. <i>Journal of Affective Disorders</i> , 2011 , 131, 260-7	6.6	42
47	[(11)C]-DASB microPET imaging in the aged rat: frontal and meso-thalamic increases in serotonin transporter binding. <i>Experimental Gerontology</i> , 2011 , 46, 1020-5	4.5	8
46	Simultaneous dual-tracer PET imaging of the rat brain and its application in the study of cerebral ischemia. <i>Molecular Imaging and Biology</i> , 2011 , 13, 500-510	3.8	12
45	Evaluation of hypoxic tissue dynamics with 18F-FMISO PET in a rat model of permanent cerebral ischemia. <i>Molecular Imaging and Biology</i> , 2011 , 13, 558-564	3.8	7
44	Biodistribution and radiation dosimetry of the glycine transporter-1 ligand 11C-GSK931145 determined from primate and human whole-body PET. <i>Molecular Imaging and Biology</i> , 2011 , 13, 776-84	3.8	12
43	Variations in the shape of the frontobasal brain region in obsessive-compulsive disorder. <i>Human Brain Mapping</i> , 2011 , 32, 1100-8	5.9	12
42	A 18 F-fluorodeoxyglucose MicroPET imaging study to assess changes in brain glucose metabolism in a rat model of surgery-induced latent pain sensitization. <i>Anesthesiology</i> , 2011 , 115, 1072-83	4.3	21
41	Central and peripheral consequences of the chronic blockade of CB1 cannabinoid receptor with rimonabant or taranabant. <i>Journal of Neurochemistry</i> , 2010 , 112, 1338-13351	6	22
40	Dopamine D4 receptors modulate brain metabolic activity in the prefrontal cortex and cerebellum at rest and in response to methylphenidate. <i>European Journal of Neuroscience</i> , 2010 , 32, 668-76	3.5	22
39	Cerebellar neurometabolite abnormalities in pediatric attention/deficit hyperactivity disorder: a proton MR spectroscopic study. <i>Neuroscience Letters</i> , 2010 , 470, 60-4	3.3	25
38	The effects of aging on dopaminergic neurotransmission: a microPET study of [11C]-raclopride binding in the aged rodent brain. <i>Neuroscience</i> , 2010 , 171, 1283-6	3.9	17
37	Comparison of positron emission tomography (PET) and computed tomography (CT) for better target volume definition in radiation therapy planning. <i>Clinical and Translational Oncology</i> , 2010 , 12, 367-373	3.6	8

36	Enhanced neural activity in frontal and cerebellar circuits after cognitive training in children with attention-deficit/hyperactivity disorder. <i>Human Brain Mapping</i> , 2010 , 31, 1942-50	5.9	56
35	Comparison of NEMA NU 4-2008 vs NEMA NU 2-2001 for the performance evaluation of the microPET R4 system 2009 ,		4
34	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, 82-8	1.8	22
33	Automated method for small-animal PET image registration with intrinsic validation. <i>Molecular Imaging and Biology</i> , 2009 , 11, 107-13	3.8	26
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