

Richard E Carson

List of Publications by Year in descending order

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Version: 2024-02-01

396
papers

21,667
citations

10389
72
h-index

14208
128
g-index

424
all docs

424
docs citations

424
times ranked

16173
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility study of PET dynamic imaging of [18F]DHMT for quantification of reactive oxygen species in the myocardium of large animals. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 216-225.	2.1	5
2	Optimized Methodology for Reference Region and Image-Derived Input Function Kinetic Modeling in Preclinical PET. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2022, 6, 454-462.	3.7	2
3	Imaging Pituitary Vasopressin 1B Receptor in Humans with the PET Radiotracer ¹¹ C-TASP699. <i>Journal of Nuclear Medicine</i> , 2022, 63, 609-614.	5.0	7
4	Glia Imaging Differentiates Multiple System Atrophy from Parkinson's Disease: A Positron Emission Tomography Study with [¹¹ C]-PBR28 and Machine Learning Analysis. <i>Movement Disorders</i> , 2022, 37, 119-129.	3.9	18
5	Association of entorhinal cortical tau deposition and hippocampal synaptic density in older individuals with normal cognition and early Alzheimer's disease. <i>Neurobiology of Aging</i> , 2022, 111, 44-53.	3.1	25
6	A metabolically stable PET tracer for imaging synaptic vesicle protein 2A: synthesis and preclinical characterization of [18F]SDM-16. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 1482-1496.	6.4	16
7	Lower prefrontal cortical synaptic vesicle binding in cocaine use disorder: An exploratory ¹¹ C- β -CIT positron emission tomography study in humans. <i>Addiction Biology</i> , 2022, 27, e13123.	2.6	16
8	Translational PET Imaging of Spinal Cord Injury with the Serotonin Transporter Tracer [11C]AFM. <i>Molecular Imaging and Biology</i> , 2022, , 1.	2.6	0
9	Characterization in nonhuman primates of (R)-[18F]OF-Me-NB1 and (S)-[18F]OF-Me-NB1 for imaging the GluN2B subunits of the NMDA receptor. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, , 1.	6.4	8
10	Comparison of three novel radiotracers for GluN2B-containing NMDA receptors in non-human primates: (R)-[¹¹ C]NR2B-Me, (R)-[¹⁸ F]of-Me-NB1, and (S)-[¹⁸ F]of-NB1. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1398-1409.	4.3	7
11	Synaptic density and cognitive performance in Alzheimer's disease: A PET imaging study with [¹¹ C]UCB-J. <i>Alzheimer's and Dementia</i> , 2022, 18, 2527-2536.	0.8	55
12	Imaging the effect of ketamine on synaptic density (SV2A) in the living brain. <i>Molecular Psychiatry</i> , 2022, 27, 2273-2281.	7.9	25
13	Target occupancy study and whole-body dosimetry with a MAGL PET ligand [11C]PF-06809247 in non-human primates. <i>EJNMMI Research</i> , 2022, 12, 13.	2.5	1
14	PET-BIDS, an extension to the brain imaging data structure for positron emission tomography. <i>Scientific Data</i> , 2022, 9, 65.	5.3	20
15	Multimodal neuroimaging of metabotropic glutamate 5 receptors and functional connectivity in alcohol use disorder. <i>Alcoholism: Clinical and Experimental Research</i> , 2022, , .	2.4	0
16	PET Imaging of Synaptic Density: Challenges and Opportunities of Synaptic Vesicle Glycoprotein 2A PET in Small Animal Imaging. <i>Frontiers in Neuroscience</i> , 2022, 16, 787404.	2.8	5
17	Adaptive data-driven motion detection and optimized correction for brain PET. <i>NeuroImage</i> , 2022, 252, 119031.	4.2	8
18	Feasibility of imaging synaptic density in the human spinal cord using [11C]UCB-J PET. <i>EJNMMI Physics</i> , 2022, 9, 32.	2.7	3

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19	Imaging the fetal nonhuman primate brain with SV2A positron emission tomography (PET). European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 3679-3691.	6.4	4
20	Reversal of synapse loss in Alzheimer mouse models by targeting mGluR5 to prevent synaptic tagging by C1Q. Science Translational Medicine, 2022, 14, .	12.4	38
21	Imaging of Synaptic Density in Neurodegenerative Disorders. Journal of Nuclear Medicine, 2022, 63, 60S-67S.	5.0	29
22	Accelerating PET Image Reconstruction with CUDA. , 2022, , .		0
23	Preliminary in vivo evidence of lower hippocampal synaptic density in cannabis use disorder. Molecular Psychiatry, 2021, 26, 3192-3200.	7.9	32
24	Binding of the synaptic vesicle radiotracer [¹¹ C]UCB-J is unchanged during functional brain activation using a visual stimulation task. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 1067-1079.	4.3	28
25	Simplified Quantification of ¹¹ C-UCB-J PET Evaluated in a Large Human Cohort. Journal of Nuclear Medicine, 2021, 62, 418-421.	5.0	19
26	First-in-Human Evaluation of ¹⁸ F-SynVesT-1, a Radioligand for PET Imaging of Synaptic Vesicle Glycoprotein 2A. Journal of Nuclear Medicine, 2021, 62, 561-567.	5.0	60
27	Multimodal investigation of dopamine D2/D3 receptors, default mode network suppression, and cognitive control in cocaine-use disorder. Neuropsychopharmacology, 2021, 46, 316-324.	5.4	14
28	Acute neuroimmune stimulation impairs verbal memory in adults: A PET brain imaging study. Brain, Behavior, and Immunity, 2021, 91, 784-787.	4.1	6
29	Quantification of SV2A Binding in Rodent Brain Using [18F]SynVesT-1 and PET Imaging. Molecular Imaging and Biology, 2021, 23, 372-381.	2.6	20
30	Longitudinal imaging of metabotropic glutamate 5 receptors during early and extended alcohol abstinence. Neuropsychopharmacology, 2021, 46, 380-385.	5.4	7
31	First-in-Human Assessment of ¹¹ C-LSN3172176, an M1 Muscarinic Acetylcholine Receptor PET Radiotracer. Journal of Nuclear Medicine, 2021, 62, 553-560.	5.0	35
32	PET Imaging Estimates of Regional Acetylcholine Concentration Variation in Living Human Brain. Cerebral Cortex, 2021, 31, 2787-2798.	2.9	5
33	Association of A β 2 deposition and regional synaptic density in early Alzheimer's disease: a PET imaging study with [11C]UCB-J. Alzheimer's Research and Therapy, 2021, 13, 11.	6.2	53
34	Assessment of test-retest reproducibility of [18F]SynVesT-1, a novel radiotracer for PET imaging of synaptic vesicle glycoprotein 2A. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1327-1338.	6.4	23
35	Dopamine D2/3 receptor availability in cocaine use disorder individuals with obesity as measured by [11C]PHNO PET. Drug and Alcohol Dependence, 2021, 220, 108514.	3.2	1
36	Comparison of [¹¹ C]UCB-J and [¹⁸ F]FDG PET in Alzheimer's disease: A tracer kinetic modeling study. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2395-2409.	4.3	43

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37	Preliminary In Vivo Evidence of Reduced Synaptic Density in Human Immunodeficiency Virus (HIV) Despite Antiretroviral Therapy. <i>Clinical Infectious Diseases</i> , 2021, 73, 1404-1411.	5.8	25
38	In vivo evidence of lower synaptic vesicle density in schizophrenia. <i>Molecular Psychiatry</i> , 2021, 26, 7690-7698.	7.9	51
39	Generation of synthetic PET images of synaptic density and amyloid from ^{18}F -FDG images using deep learning. <i>Medical Physics</i> , 2021, 48, 5115-5129.	3.0	12
40	Multiparametric cardiac ^{18}F -FDG PET in humans: pilot comparison of FDG delivery rate with ^{82}Rb myocardial blood flow. <i>Physics in Medicine and Biology</i> , 2021, 66, 155015.	3.0	3
41	Lower synaptic density is associated with psychiatric and cognitive alterations in obesity. <i>Neuropsychopharmacology</i> , 2021, , .	5.4	7
42	Generation of parametric K_1 images for FDG PET using two 5-min scans. <i>Medical Physics</i> , 2021, 48, 5219-5231.	3.0	16
43	Identifying brain networks in synaptic density PET (^{11}C -UCB-J) with independent component analysis. <i>NeuroImage</i> , 2021, 237, 118167.	4.2	18
44	Effect of age on brain metabotropic glutamate receptor subtype 5 measured with [^{18}F]FPEB PET. <i>NeuroImage</i> , 2021, 238, 118217.	4.2	10
45	Partial volume correction analysis for ^{11}C -UCB-J PET studies of Alzheimer's disease. <i>NeuroImage</i> , 2021, 238, 118248.	4.2	17
46	Novel Reversible-Binding PET Ligands for Imaging Monoacylglycerol Lipase Based on the Piperaziny Azetidine Scaffold. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 14283-14298.	6.4	9
47	Synthesizing Multi-tracer PET Images for Alzheimer's Disease Patients Using a 3D Unified Anatomy-Aware Cyclic Adversarial Network. <i>Lecture Notes in Computer Science</i> , 2021, , 34-43.	1.3	6
48	PET Imaging of Synaptic Vesicle Protein 2A. , 2021, , 993-1019.		10
49	Imaging brain cortisol regulation in PTSD with a target for $^{11}\beta$ -hydroxysteroid dehydrogenase type 1. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	10
50	Data-driven analysis of kappa opioid receptor binding in major depressive disorder measured by positron emission tomography. <i>Translational Psychiatry</i> , 2021, 11, 602.	4.8	1
51	Quantification of PET infusion studies without true equilibrium: A tissue clearance correction. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 860-874.	4.3	6
52	Parametric Imaging With PET and SPECT. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 1-23.	3.7	43
53	First in-human PET study and kinetic evaluation of [^{18}F]AS2471907 for imaging $^{11}\beta$ -hydroxysteroid dehydrogenase type 1. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 695-704.	4.3	10
54	Direct List Mode Parametric Reconstruction for Dynamic Cardiac SPECT. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 119-128.	8.9	7

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55	PET Imaging of Pancreatic Dopamine D ₂ and D ₃ Receptor Density with ¹¹ C-(+)-PHNO in Type 1 Diabetes. Journal of Nuclear Medicine, 2020, 61, 570-576.	5.0	19
56	Atlas-Based Multiorgan Segmentation for Dynamic Abdominal PET. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 50-62.	3.7	14
57	Assessment of a white matter reference region for ¹¹ C-UCB-J PET quantification. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1890-1901.	4.3	77
58	Norepinephrine transporter availability in brown fat is reduced in obesity: a human PET study with [11C] MRB. International Journal of Obesity, 2020, 44, 964-967.	3.4	18
59	Measuring the effects of ketamine on mGluR5 using [¹⁸ F]FPEB and PET. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2254-2264.	4.3	13
60	In vivo 5-HT ₆ and 5-HT _{2A} receptor availability in antipsychotic treated schizophrenia patients vs. unmedicated healthy humans measured with [11C]GSK215083 PET. Psychiatry Research - Neuroimaging, 2020, 295, 111007.	1.8	17
61	Reduced synaptic vesicle protein 2A binding in temporal lobe epilepsy: A [¹¹ C]UCB-J positron emission tomography study. Epilepsia, 2020, 61, 2183-2193.	5.1	51
62	[¹¹ C]Methionine and [¹¹ C]PBR28 as PET Imaging Tracers to Differentiate Metastatic Tumor Recurrence or Radiation Necrosis. Molecular Imaging, 2020, 19, 153601212096866.	1.4	12
63	The rate of dasotraline brain entry is slow following intravenous administration. Psychopharmacology, 2020, 237, 3435-3446.	3.1	1
64	In vivo measurement of widespread synaptic loss and associated tau accumulation in early Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e037791.	0.8	1
65	PBR28 Brain PET imaging with lipopolysaccharide challenge for the study of microglia function in Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e037792.	0.8	0
66	The aging rhesus macaque as a potential model for Alzheimer's disease/dementia: An in vivo study of [11 C]PIB, [11 C]UCB-J, [18 F]MK-6240 and working memory performance. Alzheimer's and Dementia, 2020, 16, e038467.	0.8	0
67	ICA-derived sources of synaptic density PET ([11 C]UCB-J) relate to cognitive impairment severity in Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e041197.	0.8	3
68	[11C]PBR28 brain PET imaging with lipopolysaccharide challenge for the study of microglia function in Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e043584.	0.8	0
69	Association between cerebral amyloid accumulation and synaptic density in Alzheimer's disease: A multitracer PET study. Alzheimer's and Dementia, 2020, 16, e043631.	0.8	0
70	Association between cerebrospinal fluid biomarkers of neurodegeneration and PET measurements of synaptic density in Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e044211.	0.8	2
71	Validation of a simplified tissue-to-reference ratio measurement using SUVR for the assessment of synaptic density alterations in Alzheimer's disease using [11 C]UCB-J PET. Alzheimer's and Dementia, 2020, 16, e045928.	0.8	1
72	In vivo measurement of widespread synaptic loss in Alzheimer's disease with SV2A PET. Alzheimer's and Dementia, 2020, 16, 974-982.	0.8	170

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73	PTSD is associated with neuroimmune suppression: evidence from PET imaging and postmortem transcriptomic studies. <i>Nature Communications</i> , 2020, 11, 2360.	12.8	56
74	Kinetic Modeling and Test-Retest Reproducibility of ^{11}C -EKAP and ^{11}C -FEKAP, Novel Agonist Radiotracers for PET Imaging of the μ -Opioid Receptor in Humans. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1636-1642.	5.0	10
75	Body Mass Index and Age Effects on Brain ^{11}H -Hydroxysteroid Dehydrogenase Type 1: a Positron Emission Tomography Study. <i>Molecular Imaging and Biology</i> , 2020, 22, 1124-1131.	2.6	9
76	Guidelines for the content and format of PET brain data in publications and archives: A consensus paper. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1576-1585.	4.3	47
77	Synthesis and Preclinical Evaluation of an ^{18}F -Labeled Synaptic Vesicle Glycoprotein 2A PET Imaging Probe: [^{18}F]SynVesT-2. <i>ACS Chemical Neuroscience</i> , 2020, 11, 592-603.	3.5	34
78	Synaptic Changes in Parkinson Disease Assessed with in vivo Imaging. <i>Annals of Neurology</i> , 2020, 87, 329-338.	5.3	112
79	PET imaging of mGluR5 in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 15.	6.2	29
80	Tobacco Smoking in People Is Not Associated with Altered 18-kDa Translocator Protein Levels: A PET Study. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1200-1204.	5.0	8
81	Data-Driven Motion Detection and Event-by-Event Correction for Brain PET: Comparison with Vica. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1397-1403.	5.0	32
82	Inverse changes in raphe and cortical 5-HT _{1B} receptor availability after acute tryptophan depletion in healthy human subjects. <i>Synapse</i> , 2020, 74, e22159.	1.2	9
83	Separating dopamine D2 and D3 receptor sources of [^{11}C]-(+)-PHNO binding potential: Independent component analysis of competitive binding. <i>NeuroImage</i> , 2020, 214, 116762.	4.2	9
84	Human adult and adolescent biodistribution and dosimetry of the synaptic vesicle glycoprotein 2A radioligand ^{11}C -UCB-J. <i>EJNMMI Research</i> , 2020, 10, 83.	2.5	8
85	Assessment of population-based input functions for Patlak imaging of whole body dynamic ^{18}F -FDG PET. <i>EJNMMI Physics</i> , 2020, 7, 67.	2.7	45
86	Quantitative Cerebral Blood Flow with PET in the 1980s: Going with the Flow (perspective on "Brain") <i>TJ ETQq000rgBT /Overlock 10</i>	5.0	1
87	Journal of Nuclear Medicine, 2020, 61, 89S-104S. Reply: ^{11}C -(+)-PHNO Trapping Reversibility for Quantitative PET Imaging of ^{12}I -Cell Mass in Patients with Type 1 Diabetes. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1693-1693.	5.0	0
88	In vivo imaging of D2 receptors and corticosteroids predict behavioural responses to captivity stress in a wild bird. <i>Scientific Reports</i> , 2019, 9, 10407.	3.3	3
89	Effects of age, BMI and sex on the glial cell marker TSPO – a multicentre [^{11}C]PBR28 HRRT PET study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2329-2338.	6.4	70
90	Anti-edema and antioxidant combination therapy for ischemic stroke via glyburide-loaded betulinic acid nanoparticles. <i>Theranostics</i> , 2019, 9, 6991-7002.	10.0	54

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91	S13. IN VIVO EVIDENCE OF REDUCED SYNAPTIC VESICLE DENSITY IN SCHIZOPHRENIA USING [11C] UCB-J PET IMAGING. Schizophrenia Bulletin, 2019, 45, S310-S311.	4.3	0
92	Data-driven voluntary body motion detection and non-rigid event-by-event correction for static and dynamic PET. Physics in Medicine and Biology, 2019, 64, 065002.	3.0	32
93	Human Positron Emission Tomography Neuroimaging. Annual Review of Biomedical Engineering, 2019, 21, 551-581.	12.3	48
94	Synthesis and in vivo evaluation of [18F]UCB-J for PET imaging of synaptic vesicle glycoprotein 2A (SV2A). European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1952-1965.	6.4	38
95	In Vivo Synaptic Density Imaging with ¹¹ C-UCB-J Detects Treatment Effects of Saracatinib in a Mouse Model of Alzheimer Disease. Journal of Nuclear Medicine, 2019, 60, 1780-1786.	5.0	57
96	142. Synaptic Density Alterations are Associated With Depression Severity and Network Alterations. Biological Psychiatry, 2019, 85, S59.	1.3	4
97	Kappa-opioid receptors, dynorphin, and cocaine addiction: a positron emission tomography study. Neuropsychopharmacology, 2019, 44, 1720-1727.	5.4	36
98	In vivo evidence for dysregulation of mGluR5 as a biomarker of suicidal ideation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11490-11495.	7.1	34
99	REGION-SPECIFIC ATROPHY AS MEASURED BY CORTICAL GRAY MATTER VOLUME IS ASSOCIATED WITH BOTH REGIONAL AND TOTAL CORTICAL AMYLOID-BETA BURDEN IN COGNITIVELY NORMAL INDIVIDUALS AT RISK FOR ALZHEIMER'S DISEASE. American Journal of Geriatric Psychiatry, 2019, 27, S186-S187.	1.2	1
100	Brain-Dedicated Emission Tomography Systems: A Perspective on Requirements for Clinical Research and Clinical Needs in Brain Imaging. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 254-261.	3.7	17
101	Imaging the Enzyme 11 ^β -Hydroxysteroid Dehydrogenase Type 1 with PET: Evaluation of the Novel Radiotracer ¹¹ C-AS2471907 in Human Brain. Journal of Nuclear Medicine, 2019, 60, 1140-1146.	5.0	11
102	Event-by-event non-rigid data-driven PET respiratory motion correction methods: comparison of principal component analysis and centroid of distribution. Physics in Medicine and Biology, 2019, 64, 165014.	3.0	11
103	Social status and demographic effects of the kappa opioid receptor: a PET imaging study with a novel agonist radiotracer in healthy volunteers. Neuropsychopharmacology, 2019, 44, 1714-1719.	5.4	22
104	A single-center, open-label positron emission tomography study to evaluate brivaracetam and levetiracetam synaptic vesicle glycoprotein 2A binding in healthy volunteers. Epilepsia, 2019, 60, 958-967.	5.1	45
105	Lower synaptic density is associated with depression severity and network alterations. Nature Communications, 2019, 10, 1529.	12.8	277
106	Evaluation of ¹¹ C-LSN3172176 as a Novel PET Tracer for Imaging M ₁ Muscarinic Acetylcholine Receptors in Nonhuman Primates. Journal of Nuclear Medicine, 2019, 60, 1147-1153.	5.0	17
107	P4 ⁴⁸¹ : ASSOCIATION BETWEEN ENTORHINAL CORTICAL TAU ACCUMULATION AND HIPPOCAMPAL SYNAPTIC DENSITY IN OLDER INDIVIDUALS WITH NORMAL COGNITION AND EARLY ALZHEIMER'S DISEASE: PRELIMINARY EXPERIENCE. Alzheimer's and Dementia, 2019, 15, P1497.	0.8	0
108	ICP ¹⁴⁰ : ASSOCIATION BETWEEN MGLUR5 AND SYNAPTIC DENSITY: A MULTITRACER STUDY IN HEALTHY AGING AND ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2019, 15, P115.	0.8	0

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109	F33. In Vivo Brain Imaging of 11 β -Hydroxysteroid Dehydrogenase, a Marker of Cortisol Production, in PTSD. <i>Biological Psychiatry</i> , 2019, 85, S225.	1.3	0
110	Synthesis and <i>in Vivo</i> Evaluation of a Novel PET Radiotracer for Imaging of Synaptic Vesicle Glycoprotein 2A (SV2A) in Nonhuman Primates. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1544-1554.	3.5	70
111	Quantitative PET Imaging in Drug Development: Estimation of Target Occupancy. <i>Bulletin of Mathematical Biology</i> , 2019, 81, 3508-3541.	1.9	21
112	Respiratory Motion Compensation for PET/CT with Motion Information Derived from Matched Attenuation-Corrected Gated PET Data. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1480-1486.	5.0	54
113	Evaluation of Pancreatic VMAT2 Binding with Active and Inactive Enantiomers of [18F]FP-DTBZ in Healthy Subjects and Patients with Type 1 Diabetes. <i>Molecular Imaging and Biology</i> , 2018, 20, 835-845.	2.6	24
114	Simplified Quantification and Acquisition Protocol for ^{123}I -MIBG Dynamic SPECT. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1574-1580.	5.0	5
115	F188. Preliminary Evidence for mGluR5 Dysregulation in Borderline Personality Disorder and Relationship to Suicidal Behavior. <i>Biological Psychiatry</i> , 2018, 83, S312.	1.3	2
116	Age-Related Change in 5-HT $_6$ Receptor Availability in Healthy Male Volunteers Measured with ^{11}C -GSK215083 PET. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1445-1450.	5.0	34
117	Evaluation of PET Brain Radioligands for Imaging Pancreatic β^2 -Cell Mass: Potential Utility of ^{11}C (+)-PHNO. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1249-1254.	5.0	22
118	Investigation of Sub-Centimeter Lung Nodule Quantification for Low-Dose PET. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018, 2, 41-50.	3.7	6
119	Dose-Related Target Occupancy and Effects on Circuitry, Behavior, and Neuroplasticity of the Glycine Transporter-1 Inhibitor PF-03463275 in Healthy and Schizophrenia Subjects. <i>Biological Psychiatry</i> , 2018, 84, 413-421.	1.3	43
120	Non-Rigid Event-by-Event Continuous Respiratory Motion Compensated List-Mode Reconstruction for PET. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 504-515.	8.9	33
121	Decreased VMAT2 in the pancreas of humans with type 2 diabetes mellitus measured in vivo by PET imaging. <i>Diabetologia</i> , 2018, 61, 2598-2607.	6.3	18
122	A 3D-printed modular device for imaging the brain of small birds. <i>Journal of Neuroscience Methods</i> , 2018, 293, 183-190.	2.5	6
123	Evaluation of the Lysophosphatidic Acid Receptor Type 1 Radioligand ^{11}C -BMT-136088 for Lung Imaging in Rhesus Monkeys. <i>Journal of Nuclear Medicine</i> , 2018, 59, 327-333.	5.0	16
124	Cortical β^2 -amyloid burden, gray matter, and memory in adults at varying APOE ϵ^4 risk for Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 61, 207-214.	3.1	28
125	Cardiac-gated parametric images from ^{82}Rb PET from dynamic frames and direct 4D reconstruction. <i>Medical Physics</i> , 2018, 45, 639-654.	3.0	9
126	Evaluation of (^{18}F)flutamine-specific binding: Implications for reference region approaches. <i>Synapse</i> , 2018, 72, e22016.	1.2	7

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127	Kinetic evaluation and test-retest reproducibility of [¹¹ C]UCB-J, a novel radioligand for positron emission tomography imaging of synaptic vesicle glycoprotein 2A in humans. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 2041-2052.	4.3	143
128	P2365: PET IMAGING OF SYNAPTIC DENSITY (SYNAPTIC VESICLE GLYCOPROTEIN 2A, SV2A) IN ALZHEIMER'S DISEASE: INITIAL EXPERIENCE. Alzheimer's and Dementia, 2018, 14, P832.	0.8	0
129	P1469: PET IMAGING OF METABOTROPIC GLUTAMATE RECEPTOR 5 BINDING IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P501.	0.8	1
130	IC0403: PET IMAGING OF METABOTROPIC GLUTAMATE RECEPTOR 5 BINDING IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P8.	0.8	0
131	ICP183: PET IMAGING OF SYNAPTIC DENSITY (SYNAPTIC VESICLE GLYCOPROTEIN 2A, SV2A) IN ALZHEIMER'S DISEASE: INITIAL EXPERIENCE. Alzheimer's and Dementia, 2018, 14, P152.	0.8	0
132	Initial Experience with PET Imaging of Synaptic Density (SV2A) in Alzheimer's Disease: A New Biomarker for Clinical Trials?. American Journal of Geriatric Psychiatry, 2018, 26, S145-S146.	1.2	3
133	F149. Preliminary Evidence for Altered Synaptic Density and a Possible Role for Accelerated Ageing in Individuals With MDD as Measured With [¹¹ C]UCB-J PET. Biological Psychiatry, 2018, 83, S296.	1.3	4
134	F3. Imaging Alpha7 Nicotinic Acetylcholine Receptors in Individuals With PTSD. Biological Psychiatry, 2018, 83, S237-S238.	1.3	0
135	Kappa opioid receptor binding in major depression: A pilot study. Synapse, 2018, 72, e22042.	1.2	26
136	InVivo Reactive Oxygen Species Detection With a Novel Positron Emission Tomography Tracer, 18F-DHMT, Allows for Early Detection of Anthracycline-Induced Cardiotoxicity in Rodents. JACC Basic To Translational Science, 2018, 3, 378-390.	4.1	46
137	Assessing Synaptic Density in Alzheimer Disease With Synaptic Vesicle Glycoprotein 2A Positron Emission Tomographic Imaging. JAMA Neurology, 2018, 75, 1215.	9.0	304
138	Improved discrimination between benign and malignant LDCT screening-detected lung nodules with dynamic over static ¹⁸ F-FDG PET as a function of injected dose. Physics in Medicine and Biology, 2018, 63, 175015.	3.0	17
139	Clinical and scientific value in the pursuit of quantification of beta cells in the pancreas by PET imaging. Diabetologia, 2018, 61, 2671-2673.	6.3	6
140	High Single Doses of Radiation May Induce Elevated Levels of Hypoxia in Early-Stage Non-Small Cell Lung Cancer Tumors. International Journal of Radiation Oncology Biology Physics, 2018, 102, 174-183.	0.8	36
141	Noradrenergic Activity in the Human Brain: A Mechanism Supporting the Defense Against Hypoglycemia. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 2244-2252.	3.6	23
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