

# Adriaan A Lammertsma

## List of Publications by Year in descending order

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283  
papers

24,415  
citations

6592

79  
h-index

8835

145  
g-index

285  
all docs

285  
docs citations

285  
times ranked

19730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole body macrophage PET imaging for disease activity assessment in early rheumatoid arthritis. <i>Journal of Rheumatology</i> , 2022, , jrheum.210928.	1.0	0
2	Impact of cerebral blood flow and amyloid load on SUVR bias. <i>EJNMMI Research</i> , 2022, 12, 29.	1.1	6
3	Repeatability of parametric methods for [ <sup>18</sup> F]florbetapir imaging in Alzheimer's disease and healthy controls: A test-retest study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 569-578.	2.4	10
4	Test-Retest Variability of Relative Tracer Delivery Rate as Measured by [11C]PiB. <i>Molecular Imaging and Biology</i> , 2021, 23, 335-339.	1.3	2
5	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.	3.0	14
6	Education, training and registration of Medical Physics Experts across Europe. <i>Physica Medica</i> , 2021, 85, 129-136.	0.4	6
7	Houdini's Illusions: Some Acts Are Not What They Seem to Be. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1832-1832.	2.8	0
8	Quantitative parametric maps of O-(2-[ <sup>18</sup> F]fluoroethyl)-L-tyrosine kinetics in diffuse glioma. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 895-903.	2.4	8
9	Parametric methods for [ <sup>18</sup> F]flortaucipir PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 365-373.	2.4	22
10	[11C]PIB amyloid quantification: effect of reference region selection. <i>EJNMMI Research</i> , 2020, 10, 123.	1.1	17
11	Quantification of [ <sup>18</sup> F]florbetapir: A test-retest tracer kinetic modelling study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2172-2180.	2.4	22
12	Optimized dual-time-window protocols for quantitative [18F]flutemetamol and [18F]florbetaben PET studies. <i>EJNMMI Research</i> , 2019, 9, 32.	1.1	31
13	Direct comparison of [11C] choline and [18F] FET PET to detect glioma infiltration: a diagnostic accuracy study in eight patients. <i>EJNMMI Research</i> , 2019, 9, 57.	1.1	8
14	Amyloid PET and cognitive decline in cognitively normal individuals: the SCIENCE project. <i>Neurobiology of Aging</i> , 2019, 79, 50-58.	1.5	41
15	Association of amyloid pathology with memory performance and cognitive complaints in cognitively normal older adults: a monozygotic twin study. <i>Neurobiology of Aging</i> , 2019, 77, 58-65.	1.5	14
16	Semi-quantitative cerebral blood flow parameters derived from non-invasive [ <sup>15</sup> O]H <sub>2</sub> O PET studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 163-172.	2.4	12
17	Diagnostic Value of Transluminal Attenuation Gradient for the Presence of Ischemia as Defined by Fractional Flow Reserve and Quantitative Positron Emission Tomography. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 323-333.	2.3	19
18	An exploratory clinical study of p38 <sup>α</sup> kinase inhibition in Alzheimer's disease. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 464-473.	1.7	43

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19	Effect of Plaque Burden and Morphology on Myocardial Blood Flow and Fractional Flow Reserve. Journal of the American College of Cardiology, 2018, 71, 499-509.	1.2	133
20	Molecular Imaging of ABCB1 and ABCG2 Inhibition at the Human Blood-Brain Barrier Using Elacridar and <sup>11</sup> C-Erlotinib PET. Journal of Nuclear Medicine, 2018, 59, 973-979.	2.8	19
21	Cerebral rituximab uptake in multiple sclerosis: A <sup>89</sup> Zr-immunoPET pilot study. Multiple Sclerosis Journal, 2018, 24, 543-545.	1.4	19
22	[ <sup>18</sup> F]NaF PET/CT scan as an early marker of heterotopic ossification in fibrodysplasia ossificans progressiva. Bone, 2018, 109, 143-146.	1.4	31
23	Hypometabolism of the posterior cingulate cortex is not restricted to Alzheimer's disease. NeuroImage: Clinical, 2018, 19, 625-632.	1.4	23
24	Imaging and Methotrexate Response Monitoring of Systemic Inflammation in Arthritic Rats Employing the Macrophage PET Tracer [ <sup>18</sup> F]Fluoro-PEG-Folate. Contrast Media and Molecular Imaging, 2018, 2018, 1-10.	0.4	17
25	Personalizing NSCLC therapy by characterizing tumors using TKI-PET and immuno-PET. Lung Cancer, 2017, 107, 1-13.	0.9	30
26	In vivo assessment of myocardial viability after acute myocardial infarction: A head-to-head comparison of the perfusable tissue index by PET and delayed contrast-enhanced CMR. Journal of Nuclear Cardiology, 2017, 24, 657-667.	1.4	13
27	Strategies towards in vivo imaging of active transglutaminase type 2 using positron emission tomography. Amino Acids, 2017, 49, 585-595.	1.2	11
28	Forward to the Past: The Case for Quantitative PET Imaging. Journal of Nuclear Medicine, 2017, 58, 1019-1024.	2.8	128
29	Synthesis, radiolabeling and preclinical evaluation of a [ <sup>11</sup> C]GMOM derivative as PET radiotracer for the ion channel of the N-methyl-D-aspartate receptor. Nuclear Medicine and Biology, 2017, 51, 25-32.	0.3	9
30	Comparison of Coronary CT Angiography, SPECT, PET, and Hybrid Imaging for Diagnosis of Ischemic Heart Disease Determined by Fractional Flow Reserve. JAMA Cardiology, 2017, 2, 1100.	3.0	324
31	Comparison of In Vitro Assays in Selecting Radiotracers for In Vivo P-Glycoprotein PET Imaging. Pharmaceuticals, 2017, 10, 76.	1.7	4
32	Quantitative agreement between [ <sup>15</sup> O]H <sub>2</sub> O PET and model free QUASAR MRI-derived cerebral blood flow and arterial blood volume. NMR in Biomedicine, 2016, 29, 519-526.	1.6	10
33	Multiparametric Analysis of the Relationship Between Tumor Hypoxia and Perfusion with <sup>18</sup> F-Fluoroazomycin Arabinoside and <sup>15</sup> O-H <sub>2</sub> O PET. Journal of Nuclear Medicine, 2016, 57, 530-535.	2.8	13
34	Measurement of LV Volumes and Function Using Oxygen-15 Water-Gated PET and Comparison With CMR Imaging. JACC: Cardiovascular Imaging, 2016, 9, 1472-1474.	2.3	15
35	Parametric Binding Images of the TSPO Ligand <sup>18</sup> F-DPA-714. Journal of Nuclear Medicine, 2016, 57, 1543-1547.	2.8	23
36	Synthesis, radiolabeling and evaluation of novel amine guanidine derivatives as potential positron emission tomography tracers for the ion channel of the N-methyl-d-aspartate receptor. European Journal of Medicinal Chemistry, 2016, 118, 143-160.	2.6	10

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37	Quantification of the novel <i>N</i> -methyl- <i>D</i> -aspartate receptor ligand [ <sup>11</sup> C]GMOM in man. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1111-1121.	2.4	19
38	Quantitative and Simplified Analysis of <sup>11</sup> C-Erlotinib Studies. <i>Journal of Nuclear Medicine</i> , 2016, 57, 861-866.	2.8	22
39	Development of carbon-11 labeled acryl amides for selective PET imaging of active tissue transglutaminase. <i>Nuclear Medicine and Biology</i> , 2016, 43, 232-242.	0.3	29
40	Repeatability of Quantitative <sup>18</sup> F-Fluoromethylcholine PET/CT Studies in Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2016, 57, 721-727.	2.8	22
41	Myocardial denervation coincides with scar heterogeneity in ischemic cardiomyopathy: A PET and CMR study. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 1480-1488.	1.4	9
42	The Association of Glucose Metabolism and Eigenvector Centrality in Alzheimer's Disease. <i>Brain Connectivity</i> , 2016, 6, 1-8.	0.8	18
43	Neurophysiological Effects of Sleep Deprivation in Healthy Adults, a Pilot Study. <i>PLoS ONE</i> , 2015, 10, e0116906.	1.1	40
44	Doppler-Derived Intracoronary Physiology Indices Predict the Occurrence of Microvascular Injury and Microvascular Perfusion Deficits After Angiographically Successful Primary Percutaneous Coronary Intervention. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, e001786.	1.4	55
45	Synthesis, structure activity relationship, radiolabeling and preclinical evaluation of high affinity ligands for the ion channel of the N-methyl-D-aspartate receptor as potential imaging probes for positron emission tomography. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1189-1206.	1.4	14
46	Quantification of <sup>18</sup> F-Fluorocholine Kinetics in Patients with Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2015, 56, 365-371.	2.8	32
47	The Dopamine Stabilizer (α <sup>+</sup> )-OSU6162 Occupies a Subpopulation of Striatal Dopamine D2/D3 Receptors: An [ <sup>11</sup> C]Raclopride PET Study in Healthy Human Subjects. <i>Neuropsychopharmacology</i> , 2015, 40, 472-479.	2.8	22
48	Incremental diagnostic value of epicardial adipose tissue for the detection of functionally relevant coronary artery disease. <i>Atherosclerosis</i> , 2015, 242, 161-166.	0.4	25
49	Quantification of [ <sup>18</sup> F]DPA-714 Binding in the Human Brain: Initial Studies in Healthy Controls and Alzheimer'S Disease Patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 766-772.	2.4	99
50	Cerebral perfusion and glucose metabolism in Alzheimer's disease and frontotemporal dementia: two sides of the same coin?. <i>European Radiology</i> , 2015, 25, 3050-3059.	2.3	80
51	Prevalence of Amyloid PET Positivity in Dementia Syndromes. <i>JAMA - Journal of the American Medical Association</i> , 2015, 313, 1939.	3.8	501
52	Radiopharmaceuticals for assessing ABC transporters at the blood-brain barrier. <i>Clinical Pharmacology and Therapeutics</i> , 2015, 97, 362-371.	2.3	25
53	Use of a Single <sup>11</sup> C-Meta-Hydroxyephedrine Scan for Assessing Flow-Innervation Mismatches in Patients with Ischemic Cardiomyopathy. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1706-1711.	2.8	27
54	Comparison of Velocity- and Acceleration-Selective Arterial Spin Labeling with [ <sup>15</sup> O]H <sub>2</sub> O Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1296-1303.	2.4	24

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55	Quantification of Dynamic <sup>11</sup> C-Phenitoin PET Studies. Journal of Nuclear Medicine, 2015, 56, 1372-1377.	2.8	17
56	PET/CT-Derived Whole-Body and Bone Marrow Dosimetry of <sup>89</sup> Zr-Cetuximab. Journal of Nuclear Medicine, 2015, 56, 249-254.	2.8	40
57	Quantification of cerebral blood flow in healthy volunteers and type 1 diabetic patients: Comparison of MRI arterial spin labeling and [ <sup>15</sup> O]H <sub>2</sub> O positron emission tomography (PET). Journal of Magnetic Resonance Imaging, 2014, 40, 1300-1309.	1.9	30
58	Impaired Hyperemic Myocardial Blood Flow Is Associated With Inducibility of Ventricular Arrhythmia in Ischemic Cardiomyopathy. Circulation: Cardiovascular Imaging, 2014, 7, 20-30.	1.3	27
59	Gene-specific increase in the energetic cost of contraction in hypertrophic cardiomyopathy caused by thick filament mutations. Cardiovascular Research, 2014, 103, 248-257.	1.8	88
60	Validation of simplified dosimetry approaches in <sup>89</sup> Zr-PET/CT: The use of manual versus semi-automatic delineation methods to estimate organ absorbed doses. Medical Physics, 2014, 41, 102503.	1.6	11
61	Amyloid and its association with default network integrity in Alzheimer's disease. Human Brain Mapping, 2014, 35, 779-791.	1.9	37
62	Parametric Methods for Quantification of <sup>18</sup> F-FAZA Kinetics in Non-Small Cell Lung Cancer Patients. Journal of Nuclear Medicine, 2014, 55, 1772-1777.	2.8	12
63	Synthesis and initial preclinical evaluation of the P2X <sub>7</sub> receptor antagonist [ <sup>11</sup> C]AA740003 as a novel tracer of neuroinflammation. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 509-516.	0.5	70
64	Accuracy and precision of pseudo-continuous arterial spin labeling perfusion during baseline and hypercapnia: A head-to-head comparison with <sup>15</sup> O H <sub>2</sub> O positron emission tomography. NeuroImage, 2014, 92, 182-192.	2.1	133
65	Effect of Type 2 Diabetes Mellitus on Epicardial Adipose Tissue Volume and Coronary Vasomotor Function. American Journal of Cardiology, 2014, 113, 90-97.	0.7	18
66	<i>In Vivo</i> Imaging as a Pharmacodynamic Marker. Clinical Cancer Research, 2014, 20, 2569-2577.	3.2	12
67	Assessment of Simplified Methods to Measure <sup>18</sup> F-FLT Uptake Changes in EGFR-Mutated Non-Small Cell Lung Cancer Patients Undergoing EGFR Tyrosine Kinase Inhibitor Treatment. Journal of Nuclear Medicine, 2014, 55, 1417-1423.	2.8	17
68	Quantification of <sup>18</sup> F-Fluoride Kinetics: Evaluation of Simplified Methods. Journal of Nuclear Medicine, 2014, 55, 1122-1127.	2.8	23
69	Multicenter Harmonization of <sup>89</sup> Zr PET/CT Performance. Journal of Nuclear Medicine, 2014, 55, 264-267.	2.8	63
70	Impact of anatomical and functional severity of coronary atherosclerotic plaques on the transmural perfusion gradient: a [ <sup>15</sup> O]H <sub>2</sub> O PET study. European Heart Journal, 2014, 35, 2094-2105.	1.0	66
71	The need for quantitative PET in multicentre studies. Clinical and Translational Imaging, 2014, 2, 277-280.	1.1	3
72	Quantitative Assessment of Myocardial Perfusion in the Detection of Significant Coronary Artery Disease. Journal of the American College of Cardiology, 2014, 64, 1464-1475.	1.2	253

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73	Comparison of Simplified Parametric Methods for Visual Interpretation of <sup>11</sup> C-Pittsburgh Compound-B PET Images. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1305-1307.	2.8	24
74	Synthesis and preclinical evaluation of carbon-11 labelled N-((5-(4-fluoro-2-[ <sup>11</sup> C]methoxyphenyl)pyridin-3-yl)methyl)cyclopentanamine as a PET tracer for NR2B subunit-containing NMDA receptors. <i>Nuclear Medicine and Biology</i> , 2014, 41, 670-680.	0.3	15
75	(R)-[ <sup>11</sup> C]PK11195 brain uptake as a biomarker of inflammation and antiepileptic drug resistance: Evaluation in a rat epilepsy model. <i>Neuropharmacology</i> , 2014, 85, 104-112.	2.0	37
76	Concordance Between Cerebrospinal Fluid Biomarkers and [ <sup>11</sup> C]PIB PET in a Memory Clinic Cohort. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 801-807.	1.2	109
77	In vivo measurements of blood flow and bone metabolism in osteoarthritis. <i>Rheumatology International</i> , 2013, 33, 959-963.	1.5	22
78	[ <sup>11</sup> C]quinidine and [ <sup>11</sup> C]laniquidar PET imaging in a chronic rodent epilepsy model: Impact of epilepsy and drug-responsiveness. <i>Nuclear Medicine and Biology</i> , 2013, 40, 764-775.	0.3	22
79	Cerebral Blood Flow and Glucose Metabolism in Appetite-Related Brain Regions in Type 1 Diabetic Patients After Treatment With Insulin Detemir and NPH Insulin. <i>Diabetes Care</i> , 2013, 36, 4050-4056.	4.3	14
80	Dopaminergic activity in Tourette syndrome and obsessive-compulsive disorder. <i>European Neuropsychopharmacology</i> , 2013, 23, 1423-1431.	0.3	133
81	ENerGetIcs in hypertrophic cardiomyopathy: traNslation between MRI, PET and cardiac myofilament function (ENGINE study). <i>Netherlands Heart Journal</i> , 2013, 21, 567-571.	0.3	15
82	Microglial activation in Alzheimer's disease: an (R)-[ <sup>11</sup> C]PK11195 positron emission tomography study. <i>Neurobiology of Aging</i> , 2013, 34, 128-136.	1.5	145
83	Pulmonary <sup>18</sup> F-Fluoro- <sup>18</sup> F-Deoxyglucose Uptake is Low in Treated Patients with Idiopathic Pulmonary Arterial Hypertension. <i>Pulmonary Circulation</i> , 2013, 3, 647-653.	0.8	12
84	Positron Emission Tomography as a Method for Measuring Drug Delivery to Tumors in vivo: The Example of [ <sup>11</sup> C]docetaxel. <i>Frontiers in Oncology</i> , 2013, 3, 208.	1.3	23
85	Radiation Dose of the P-Glycoprotein Tracer <sup>11</sup> C-Laniquidar. <i>Journal of Nuclear Medicine</i> , 2013, 54, 2101-2103.	2.8	12
86	<sup>11</sup> C-Acetate Clearance as an Index of Oxygen Consumption of the Right Myocardium in Idiopathic Pulmonary Arterial Hypertension: A Validation Study Using <sup>15</sup> O-Labeled Tracers and PET. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1258-1262.	2.8	18
87	Toward Prediction of Efficacy of Chemotherapy: A Proof of Concept Study in Lung Cancer Patients Using [ <sup>11</sup> C]docetaxel and Positron Emission Tomography. <i>Clinical Cancer Research</i> , 2013, 19, 4163-4173.	3.2	58
88	Cerebral Blood Flow and Glucose Metabolism Measured With Positron Emission Tomography Are Decreased in Human Type 1 Diabetes. <i>Diabetes</i> , 2013, 62, 2898-2904.	0.3	32
89	Hybrid Imaging Using Quantitative H <sub>2</sub> <sup>15</sup> O PET and CT-Based Coronary Angiography for the Detection of Coronary Artery Disease. <i>Journal of Nuclear Medicine</i> , 2013, 54, 55-63.	2.8	109
90	Longitudinal Amyloid Imaging Using <sup>11</sup> C-PiB: Methodologic Considerations. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1570-1576.	2.8	148

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91	<sup>11</sup> C-labeled and <sup>18</sup> F-labeled PET ligands for subtype-specific imaging of histamine receptors in the brain. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2013, 56, 120-129.	0.5	21
92	Development of [ <sup>11</sup> C]erlotinib Positron Emission Tomography for <i>In Vivo</i> Evaluation of EGF Receptor Mutational Status. <i>Clinical Cancer Research</i> , 2013, 19, 183-193.	3.2	117
93	Limbic and motor circuits involved in symmetry behavior in Tourette's syndrome. <i>CNS Spectrums</i> , 2013, 18, 34-42.	0.7	16
94	Prognostic Impact of [ <sup>18</sup> F]Fluorothymidine and [ <sup>18</sup> F]Fluoro-D-Glucose Baseline Uptakes in Patients with Lung Cancer Treated First-Line with Erlotinib. <i>PLoS ONE</i> , 2013, 8, e53081.	1.1	36
95	In vivo quantification of striatal dopamine D <sub>2</sub> receptor occupancy by JNJ-37822681 using [ <sup>11</sup> C]raclopride and positron emission tomography. <i>Journal of Psychopharmacology</i> , 2012, 26, 1128-1135.	2.0	17
96	Amyloid burden and metabolic function in early-onset Alzheimer's disease: parietal lobe involvement. <i>Brain</i> , 2012, 135, 2115-2125.	3.7	109
97	Blood-brain barrier P-glycoprotein function in Alzheimer's disease. <i>Brain</i> , 2012, 135, 181-189.	3.7	252
98	Optimization of Supervised Cluster Analysis for Extracting Reference Tissue Input Curves in [ <sup>11</sup> C]PK11195 Brain PET Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1600-1608.	2.4	120
99	Parametric [ <sup>11</sup> C]flumazenil images. <i>Nuclear Medicine Communications</i> , 2012, 33, 422-430.	0.5	9
100	Tumor Lesion Glycolysis and Tumor Lesion Proliferation for Response Prediction and Prognostic Differentiation in Patients With Advanced Non-Small Cell Lung Cancer Treated With Erlotinib. <i>Clinical Nuclear Medicine</i> , 2012, 37, 1058-1064.	0.7	47
101	Altered GABA <sub>A</sub> Receptor Density and Unaltered Blood-Brain Barrier Transport in a Kainate Model of Epilepsy: An In Vivo Study Using [ <sup>11</sup> C]Flumazenil and PET. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1974-1983.	2.8	26
102	No Evidence for Additional Blood-Brain Barrier P-Glycoprotein Dysfunction in Alzheimer's Disease Patients with Microbleeds. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1468-1471.	2.4	18
103	Microglial activation in healthy aging. <i>Neurobiology of Aging</i> , 2012, 33, 1067-1072.	1.5	125
104	Synthesis and preclinical evaluation of [ <sup>11</sup> C]D617, a metabolite of (R)-[ <sup>11</sup> C]verapamil. <i>Nuclear Medicine and Biology</i> , 2012, 39, 530-539.	0.3	16
105	Quantitative relationship between coronary artery calcium score and hyperemic myocardial blood flow as assessed by hybrid 15O-water PET/CT imaging in patients evaluated for coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2012, 19, 256-264.	1.4	17
106	Rapid Decrease in Delivery of Chemotherapy to Tumors after Anti-VEGF Therapy: Implications for Scheduling of Anti-Angiogenic Drugs. <i>Cancer Cell</i> , 2012, 21, 82-91.	7.7	307
107	Reproducibility of quantitative (R)-[ <sup>11</sup> C]verapamil studies. <i>EJNMMI Research</i> , 2012, 2, 1.	1.1	45
108	Macrophage positron emission tomography imaging as a biomarker for preclinical rheumatoid arthritis: Findings of a prospective pilot study. <i>Arthritis and Rheumatism</i> , 2012, 64, 62-66.	6.7	95

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109	Carriers of the hypertrophic cardiomyopathy MYBPC3 mutation are characterized by reduced myocardial efficiency in the absence of hypertrophy and microvascular dysfunction. <i>European Journal of Heart Failure</i> , 2011, 13, 1283-1289.	2.9	49
110	Simultaneous in vivo measurements of receptor density and affinity using [ <sup>11</sup> C]flumazenil and positron emission tomography: Comparison of full saturation and steady state methods. <i>NeuroImage</i> , 2011, 57, 928-937.	2.1	9
111	Early Prediction of Nonprogression in Advanced Non-Small-Cell Lung Cancer Treated With Erlotinib By Using [ <sup>18</sup> F]Fluorodeoxyglucose and [ <sup>18</sup> F]Fluorothymidine Positron Emission Tomography. <i>Journal of Clinical Oncology</i> , 2011, 29, 1701-1708.	0.8	170
112	Reappraisal of a single-tissue compartment model for estimation of myocardial oxygen consumption by [ <sup>11</sup> C]acetate PET. <i>Nuclear Medicine Communications</i> , 2011, 32, 59-62.	0.5	11
113	Relation of Coronary Microvascular Dysfunction in Hypertrophic Cardiomyopathy to Contractile Dysfunction Independent from Myocardial Injury. <i>American Journal of Cardiology</i> , 2011, 107, 1522-1528.	0.7	17
114	Feasibility of subendocardial and subepicardial myocardial perfusion measurements in healthy normals with <sup>15</sup> O-labeled water and positron emission tomography. <i>Journal of Nuclear Cardiology</i> , 2011, 18, 650-656.	1.4	34
115	(R)-[ <sup>11</sup> C]Verapamil PET studies to assess changes in P-glycoprotein expression and functionality in rat blood-brain barrier after exposure to kainate-induced status epilepticus. <i>BMC Medical Imaging</i> , 2011, 11, 1.	1.4	43
116	Systolic pulmonary artery pressure and heart rate are main determinants of oxygen consumption in the right ventricular myocardium of patients with idiopathic pulmonary arterial hypertension. <i>European Journal of Heart Failure</i> , 2011, 13, 1290-1295.	2.9	38
117	Absolute Quantification of [ <sup>11</sup> C]docetaxel Kinetics in Lung Cancer Patients Using Positron Emission Tomography. <i>Clinical Cancer Research</i> , 2011, 17, 4814-4824.	3.2	19
118	Widespread and Prolonged Increase in [ <sup>11</sup> C]-PK11195 Binding After Traumatic Brain Injury. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1235-1239.	2.8	72
119	Right Ventricular Failure in Idiopathic Pulmonary Arterial Hypertension Is Associated With Inefficient Myocardial Oxygen Utilization. <i>Circulation: Heart Failure</i> , 2011, 4, 700-706.	1.6	74
120	Parametric Images of Myocardial Viability Using a Single [ <sup>15</sup> O]-H <sub>2</sub> O PET/CT Scan. <i>Journal of Nuclear Medicine</i> , 2011, 52, 745-749.	2.8	41
121	Effects of Image Characteristics on Performance of Tumor Delineation Methods: A Test-Retest Assessment. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1550-1558.	2.8	60
122	[ <sup>18</sup> F]-FDG PET as a Tool to Predict the Clinical Outcome of Infliximab Treatment of Rheumatoid Arthritis: An Explorative Study. <i>Journal of Nuclear Medicine</i> , 2011, 52, 77-80.	2.8	104
123	Quantitative Analysis of Response to Treatment with Erlotinib in Advanced Non-Small Cell Lung Cancer Using <sup>18</sup> F-FDG and [ <sup>3</sup> H]-Deoxy- <sup>3</sup> H-Fluorothymidine PET. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1871-1877.	2.8	65
124	Myocardial Oxygen Extraction Fraction Measured Using Bolus Inhalation of [ <sup>15</sup> O]-Oxygen Gas and Dynamic PET. <i>Journal of Nuclear Medicine</i> , 2011, 52, 60-66.	2.8	15
125	Cardiac PET-CT: advanced hybrid imaging for the detection of coronary artery disease. <i>Netherlands Heart Journal</i> , 2010, 18, 90-98.	0.3	62
126	Arterial Spin Labeling Perfusion MRI at Multiple Delay Times: A Correlative Study with [ <sup>15</sup> O]-Positron Emission Tomography in Patients with Symptomatic Carotid Artery Occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 222-229.	2.4	117



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127	<i>In vivo</i> Validation of Reconstruction-Based Resolution Recovery for Human Brain Studies. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 381-389.	2.4	28
128	Low-Dose Quantitative Myocardial Blood Flow Imaging Using <sup>15</sup> O-Water and PET Without Attenuation Correction. Journal of Nuclear Medicine, 2010, 51, 575-580.	2.8	54
129	Liver Fat Content in Type 2 Diabetes: Relationship With Hepatic Perfusion and Substrate Metabolism. Diabetes, 2010, 59, 2747-2754.	0.3	37
130	Quantitative Parametric Perfusion Images Using <sup>15</sup> O-Labeled Water and a Clinical PET/CT Scanner: Test-Retest Variability in Lung Cancer. Journal of Nuclear Medicine, 2010, 51, 1684-1690.	2.8	42
131	Risk stratification for ventricular arrhythmias in ischaemic cardiomyopathy: the value of non-invasive imaging. Europace, 2010, 12, 468-474.	0.7	16
132	Carbon-11 Labeled Tracers for In Vivo Imaging of P-Glycoprotein Function: Kinetics, Advantages and Disadvantages. Current Topics in Medicinal Chemistry, 2010, 10, 1820-1833.	1.0	21
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273	Measurement of Cerebral Blood Flow Using Bolus Inhalation of $^{15}\text{O}$ and Positron Emission Tomography: Description of the Method and its Comparison with the $^{15}\text{O}$ Continuous Inhalation Method. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1984, 4, 224-234.	2.4	76
274	In vivo Measurement of Regional Cerebral Haematocrit Using Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1984, 4, 317-322.	2.4	145
275	Measurement of Regional Cerebral pH in Human Subjects Using Continuous Inhalation of $^{11}\text{CO}_2$ and Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1984, 4, 458-465.	2.4	58
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277	Quantitative Measurement of Blood-Brain Barrier Permeability Using Rubidium-82 and Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1984, 4, 535-545.	2.4	86
278	Correction for the Presence of Intravascular Oxygen-15 in the Steady-State Technique for Measuring Regional Oxygen Extraction Ratio in the Brain: 1. Description of the Method. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1983, 3, 416-424.	2.4	297
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283	Extraction of Water Labeled With Oxygen 15 During Single-Capillary Transit. <i>Archives of Neurology</i> , 1981, 38, 581.	4.9	33