

Graphical Evaluation of Blood-to-Brain Transfer Constants Data. Generalizations

Journal of Cerebral Blood Flow and Metabolism
5, 584-590

DOI: [10.1038/jcbfm.1985.87](https://doi.org/10.1038/jcbfm.1985.87)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Imaging neuronal biochemistry by emission computed tomography: focus on neuroreceptors. Trends in Pharmacological Sciences, 1986, 7, 490-496.	4.0	30
2	Quantification of Neuroreceptors in the Living Human Brain. I. Irreversible Binding of Ligands. Journal of Cerebral Blood Flow and Metabolism, 1986, 6, 137-146.	2.4	265
3	Brain Slice Glucose Utilization. Journal of Neurochemistry, 1988, 51, 1783-1796.	2.1	29
4	Quantitative assessment of blood-brain barrier permeability in multiple sclerosis using 68-Ga-EDTA and positron emission tomography.. Journal of Neurology, Neurosurgery and Psychiatry, 1988, 51, 1058-1062.	0.9	53
5	Quatitation of blood-brain barrier permiability by positron emission tomography. Physics in Medicine and Biology, 1989, 34, 1767-1772.	1.6	17
6	Nigrostriatal function in humans studied with positron emission tomography. Annals of Neurology, 1989, 26, 535-542.	2.8	296
7	Models for in vivo Kinetic Interactions of Dopamine D2-Neuroreceptors and 3-(2'-[18F]Fluoroethyl)Spiperone Examined with Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 1989, 9, 840-849.	2.4	36
8	Multicompartmental Analysis of [¹¹ C]-Carfentanil Binding to Opiate Receptors in Humans Measured by Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 1989, 9, 398-409.	2.4	184
9	The use of in vitro models to predict the distribution of receptor binding radiotracers in vivo. International Journal of Radiation Applications and Instrumentation Part B, Nuclear Medicine and Biology, 1989, 16, 233-245.	0.3	6
10	Metabolic Stability of 3-O-Methyl-d-Glucose in Brain and Other Tissues. Journal of Neurochemistry, 1990, 55, 989-1000.	2.1	34
11	Optimal Duration of Experimental Period in Measurement of Local Cerebral Glucose Utilization with the Deoxyglucose Method. Journal of Neurochemistry, 1990, 54, 307-319.	2.1	47
12	Graphical Analysis of Reversible Radioligand Binding from Time-Activity Measurements Applied to [¹¹ C-Methyl]-(α)-Cocaine PET Studies in Human Subjects. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 740-747.	2.4	1,295
13	Kinetic Analysis of 3-Quinuclidinyl 4-[¹²⁵ I]Iodobenzilate Transport and Specific Binding to Muscarinic Acetylcholine Receptor in Rat Brain in vivo: Implications for Human Studies. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 781-807.	2.4	53
14	A Two-Compartment Description and Kinetic Procedure for Measuring Regional Cerebral [¹¹ C]Nomifensine Uptake Using Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 307-316.	2.4	73
15	Striatal binding of ¹¹ C-NMSP studied with positron emission tomography in patients with persistent tardive dyskinesia: no evidence for altered dopamine D2 receptor binding. Journal of Neural Transmission, 1990, 79, 215-226.	1.4	52
16	Where have we got to with neuroreceptor mapping of the human brain?. European Journal of Nuclear Medicine and Molecular Imaging, 1990, 16, 817-835.	2.2	44
17	Positron emission tomography studies of neurotransmitter systems. Journal of Neurology, 1990, 237, 451-456.	1.8	8
18	Differing patterns of striatal ¹⁸ F-dopa uptake in Parkinson's disease, multiple system atrophy, and progressive supranuclear palsy. Annals of Neurology, 1990, 28, 547-555.	2.8	641

#	ARTICLE	IF	CITATIONS
19	Striatal function in normal aging: Implications for Parkinson's disease. <i>Annals of Neurology</i> , 1990, 28, 799-804.	2.8	160
20	Quantitation of blood-brain barrier defect by magnetic resonance imaging and gadolinium-DTPA in patients with multiple sclerosis and brain tumors. <i>Magnetic Resonance in Medicine</i> , 1990, 16, 117-131.	1.9	399
21	Grafts of fetal dopamine neurons survive and improve motor function in Parkinson's disease. <i>Science</i> , 1990, 247, 574-577.	6.0	1,156
22	Brain Glucose Metabolism in Noninsulin-Dependent Diabetes Mellitus: A Study in Pima Indians Using Positron Emission Tomography during Hyperinsulinemia with Euglycemic Glucose Clamp. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1990, 71, 1602-1610.	1.8	32
23	The Nigrostriatal Dopaminergic System Assessed In Vivo by Positron Emission Tomography in Healthy Volunteer Subjects and Patients With Parkinson's Disease. <i>Archives of Neurology</i> , 1990, 47, 1290-1298.	4.9	376
24	Positron Emission Tomographic Scanning Demonstrates a Presynaptic Dopaminergic Lesion in Lytic-Bodig. <i>Archives of Neurology</i> , 1990, 47, 870.	4.9	50
25	Clinical and Positron Emission Tomographic Studies in the 'Extrapyramidal Syndrome' of Dementia of the Alzheimer Type. <i>Archives of Neurology</i> , 1990, 47, 1318-1323.	4.9	65
26	Quantitative evaluation of regional substrate metabolism in the human heart by positron emission tomography. <i>Journal of the American College of Cardiology</i> , 1991, 18, 101-111.	1.2	78
27	Kinetic Analysis of Transport and Opioid Receptor Binding of [3H](α -)-Cyclofoxy in Rat Brain in vivo: Implications for Human Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1991, 11, 183-203.	2.4	16
28	Measurements of blood-brain barrier permeability in patients undergoing radiotherapy and chemotherapy for primary cerebral lymphoma. <i>European Journal of Cancer & Clinical Oncology</i> , 1991, 27, 1356-1361.	0.9	92
29	Positron emission tomography studies of brain receptors. <i>Fundamental and Clinical Pharmacology</i> , 1991, 5, 61-91.	1.0	16
30	Dihydroergotamine as a pharmacologic euglycemic clamp in the surgically traumatized rabbit. <i>Metabolism: Clinical and Experimental</i> , 1991, 40, 594-599.	1.5	5
31	Quantification of Human Opiate Receptor Concentration and Affinity Using High and Low Specific Activity [¹¹ C]Diprenorphine and Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1991, 11, 204-219.	2.4	94
32	Dopa-responsive dystonia: [18F]dopa positron emission tomography. <i>Annals of Neurology</i> , 1991, 30, 24-30.	2.8	100
33	Effects of endogenous dopamine on kinetics of [3H]N-methylspiperone and [3H]raclopride binding in the rat brain. <i>Synapse</i> , 1991, 9, 188-194.	0.6	126
34	Effects of endogenous dopamine on measures of [18F]N-methylspiroperidol binding in the basal ganglia: Comparison of simulations and experimental results from PET studies in baboons. <i>Synapse</i> , 1991, 9, 195-207.	0.6	106
35	The nigrostriatal dopaminergic pathway in Wilson's disease studied with positron emission tomography.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1991, 54, 12-17.	0.9	62
36	Correlation between [5-3H]glucose and [U-14C]deoxyglucose as markers of glycolysis in reperfused myocardium.. <i>Circulation Research</i> , 1992, 71, 689-700.	2.0	31

#	ARTICLE	IF	CITATIONS
37	Bilateral Fetal Mesencephalic Grafting in Two Patients with Parkinsonism Induced by 1-Methyl-4-Phenyl-L,2,3,6-Tetrahydropyridine (MPTP). <i>New England Journal of Medicine</i> , 1992, 327, 1556-1563.	13.9	558
38	Glucose-free fatty acid cycle operates in human heart and skeletal muscle in vivo.. <i>Journal of Clinical Investigation</i> , 1992, 89, 1767-1774.	3.9	261
39	An absorptiometry method for the determination of arterial blood concentration of injected iodinated contrast agent. <i>Physics in Medicine and Biology</i> , 1992, 37, 1741-1758.	1.6	27
40	Uses and Limitations of Positron Emission Tomography in Clinical Pharmacokinetics/Dynamics (Part I)1. <i>Clinical Pharmacokinetics</i> , 1992, 22, 211-222.	1.6	8
41	Uses and Limitations of Positron Emission Tomography in Clinical Pharmacokinetics/Dynamics (Part II). <i>Clinical Pharmacokinetics</i> , 1992, 22, 274-283.	1.6	5
42	Positron emission tomography with 18F-DOPA: Interpretation and biological correlates in nonhuman primates. <i>Psychiatry Research - Neuroimaging</i> , 1992, 45, 153-168.	0.9	14
43	Production of 6-[18F]fluoro-l-DOPA and its metabolism in vivo—a critical review. <i>International Journal of Radiation Applications and Instrumentation Part B, Nuclear Medicine and Biology</i> , 1992, 19, 149-158.	0.3	56
44	Fasting and lactate unmask insulin responsiveness in the isolated working rat heart. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1992, 263, E556-E561.	1.8	10
45	A quantitative approach to technetium-99m hexamethylpropylene amine oxime. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1992, 19, 195-200.	2.2	118
46	In vivo CT measurement of blood-brain transfer constant of iopamidol in human brain tumors. <i>Journal of Neuro-Oncology</i> , 1992, 14, 177-87.	1.4	26
47	Errors Introduced by Tissue Heterogeneity in Estimation of Local Cerebral Glucose Utilization with Current Kinetic Models of the [18F]Fluorodeoxyglucose Method. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1992, 12, 823-834.	2.4	77
48	Drug transport across the blood — brain barrier. <i>Pharmaceutisch Weekblad</i> , 1992, 14, 338-348.	0.7	8
49	Measurement of blood-brain barrier permeability using dynamic Gd-DTPA scanning—a comparison of methods. <i>Magnetic Resonance in Medicine</i> , 1992, 24, 174-176.	1.9	65
50	The identification of presymptomatic parkinsonism: Clinical and {18F}dopa positron emission tomography studies in an irish kindred. <i>Annals of Neurology</i> , 1992, 32, 609-617.	2.8	75
51	Positron emission tomography with fluorine-18-deoxyglucose in the detection and staging of breast cancer. <i>Cancer</i> , 1993, 71, 3920-3925.	2.0	210
52	The detection of preclinical Parkinson's disease: What is the role of positron emission tomography?. <i>Movement Disorders</i> , 1993, 8, 271-277.	2.2	44
53	An animal model for in vivo evaluation of tumor glycolytic rates with positron emission tomography. <i>Journal of Surgical Oncology</i> , 1993, 53, 104-109.	0.8	6
54	Functional vascular volume and blood-brain barrier permeability images by angio-CT in the diagnosis of cerebral lesions. <i>Computerized Medical Imaging and Graphics</i> , 1993, 17, 35-44.	3.5	13

#	ARTICLE	IF	CITATIONS
55	Parametric imaging of the rate constant K_i using [18Fluoro]-l-dopa positron emission tomography in progressive supranuclear palsy. <i>Neuroradiology</i> , 1993, 35, 404-409.	1.1	5
56	Spectral Analysis of Dynamic PET Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 15-23.	2.4	452
57	6-[18F]fluoro-l-DOPA Metabolism in Living Human Brain: A Comparison of Six Analytical Methods. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 57-69.	2.4	113
58	Measurement of Benzodiazepine Receptor Number and Affinity in Humans Using Tracer Kinetic Modeling, Positron Emission Tomography, and [¹¹ C]Flumazenil. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 656-667.	2.4	82
59	Quantification and parametric imaging of renal cortical blood flow in vivo based on Patlak graphical analysis. <i>Kidney International</i> , 1993, 44, 985-996.	2.6	48
60	Striatal [11C]-N-methyl-spiperone binding in patients with focal dystonia (torticollis) using positron emission tomography. <i>Journal of Neural Transmission Parkinson's Disease and Dementia Section</i> , 1993, 5, 79-87.	1.2	17
61	6-[18F]Fluoro-l-dihydroxyphenylalanine metabolism and positron emission tomography after catechol-O-methyltransferase inhibition in normal and hemiparkinsonian monkeys. <i>Brain Research</i> , 1993, 626, 1-13.	1.1	22
62	The role of positron emission tomography in the assessment of human neurotransplantation. <i>Trends in Neurosciences</i> , 1993, 16, 172-176.	4.2	41
63	Dopamine D2 and serotonin S2 receptors in susceptibility to methamphetamine psychosis detected by positron emission tomography. <i>Psychiatry Research - Neuroimaging</i> , 1993, 50, 217-231.	0.9	33
64	4 In vivo glucose transport in human skeletal muscle: tools, problems and perspectives. <i>Bailliere's Clinical Endocrinology and Metabolism</i> , 1993, 7, 929-960.	1.0	15
65	Functional imaging in relation to parkinsonian syndromes. <i>Journal of the Neurological Sciences</i> , 1993, 115, 1-17.	0.3	92
66	Imaging radiotracer model parameters in PET: a mixture analysis approach. <i>IEEE Transactions on Medical Imaging</i> , 1993, 12, 399-412.	5.4	79
67	Myocardial glucose uptake in patients with insulin-dependent diabetes mellitus assessed quantitatively by dynamic positron emission tomography. <i>Circulation</i> , 1993, 88, 395-404.	1.6	143
68	Theoretical and Experimental Assessment of the Kinetic Properties of N-isopropyl-p-[¹²³ I]iodoamphetamine in the Human Brain. <i>Neurologia Medico-Chirurgica</i> , 1993, 33, 809-814.	1.0	3
69	Single photon emission computed tomographic imaging demonstrates loss of striatal dopamine transporters in Parkinson disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 11965-11969.	3.3	358
70	Effect of antilipolysis on heart and skeletal muscle glucose uptake in overnight fasted humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1994, 267, E941-E946.	1.8	56
71	Differential diagnosis of Parkinson's disease, multiple system atrophy, and Steele-Richardson-Olszewski syndrome: discriminant analysis of striatal 18F-dopa PET data. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1994, 57, 278-284.	0.9	160
72	Separating Parkinson's Disease From Normality. <i>Archives of Neurology</i> , 1994, 51, 237.	4.9	73

#	ARTICLE	IF	CITATIONS
74	Blood-brain barrier permeability in staphylococcal cerebritis and early brain abscess. <i>Journal of Neurosurgery</i> , 1994, 80, 897-905.	0.9	24
75	Rest tremor and extrapyramidal symptoms after midbrain haemorrhage: clinical and 18F-dopa PET evaluation.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1994, 57, 987-989.	0.9	46
76	Histological alterations in chronically hypoperfused myocardium. Correlation with PET findings.. <i>Circulation</i> , 1994, 90, 735-745.	1.6	281
77	New estimation methods that directly use the time accumulated counts in the input function in quantitative dynamic PET studies. <i>Physics in Medicine and Biology</i> , 1994, 39, 2073-2090.	1.6	10
78	Methodology governing the assessment of myocardial glucose metabolism by positron emission tomography and fluorine 18-labeled fluorodeoxyglucose. <i>Journal of Nuclear Cardiology</i> , 1994, 1, S4-S14.	1.4	30
79	An acute effect of triazolam on muscarinic cholinergic receptor binding in the human brain measured by positron emission tomography. <i>Psychopharmacology</i> , 1994, 113, 311-317.	1.5	18
80	Nigrostriatal function in vitamin E deficiency: Clinical, experimental, and positron emission tomographic studies. <i>Annals of Neurology</i> , 1994, 35, 298-303.	2.8	48
81	Discordant twins with Parkinson's disease: Positron emission tomography and early signs of impaired cognitive circuits. <i>Annals of Neurology</i> , 1994, 36, 176-182.	2.8	96
82	Functional perfusion and blood-brain barrier permeability images in the diagnosis of cerebral tumors by angio CT. <i>Computerized Medical Imaging and Graphics</i> , 1994, 18, 145-150.	3.5	11
83	Functional circulation and blood-brain permeability images by angio CT in the assessment of cerebral ischemia. <i>Computerized Medical Imaging and Graphics</i> , 1994, 18, 151-161.	3.5	8
84	Stereospecific distribution of methylphenidate enantiomers in rat brain: specific binding to dopamine reuptake sites. <i>Pharmaceutical Research</i> , 1994, 11, 407-411.	1.7	15
85	Assessment of dopamine metabolism in brain of patients with dementia by means of 18F-fluorodopa and PET. <i>Annals of Nuclear Medicine</i> , 1994, 8, 245-251.	1.2	46
86	Graphical, Kinetic, and Equilibrium Analyses of in vivo [¹²³ I]β ² -CIT Binding to Dopamine Transporters in Healthy Human Subjects. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 982-994.	2.4	259
87	The Use of Spectral Analysis to Determine Regional Cerebral Glucose Utilization with Positron Emission Tomography and [¹⁸ F]Fluorodeoxyglucose: Theory, Implementation, and Optimization Procedures. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 406-422.	2.4	72
88	The Distribution and Kinetics of [18F]6-Fluoro-3-O-Methyl-I-Dopa in the Human Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 664-670.	2.4	37
89	PET studies of patients with partial epilepsy: visual interpretation vs. semi-quantification/quantification. <i>Acta Neurologica Scandinavica</i> , 1994, 89, 175-178.	1.0	59
90	Positron emission tomography and central neurotransmitter systems in movement disorders. <i>Fundamental and Clinical Pharmacology</i> , 1994, 8, 503-517.	1.0	8
91	A kinetic comparison of [18F]2-fluoro-2-deoxyglucose and [18F]2-fluoro-2-deoxymannose using positron emission tomography. <i>Nuclear Medicine and Biology</i> , 1994, 21, 857-863.	0.3	5

#	ARTICLE	IF	CITATIONS
92	The effect of entacapone (ORa€611) on brain [¹⁸ F]a€6a€La€6fluorodopa metabolism. <i>Neurology</i> , 1994, 44, 1292-1292.	1.5	101
94	Positron Emission Tomography with [11C]Deuterium-Deprenyl in Temporal Lobe Epilepsy. <i>Epilepsia</i> , 1995, 36, 712-721.	2.6	61
95	Positron emission tomography studies on the dopaminergic system and striatal opioid binding in the olivopontocerebellar atrophy variant of multiple system atrophy. <i>Annals of Neurology</i> , 1995, 37, 568-573.	2.8	61
96	Bilateral fetal nigral transplantation into the postcommissural putamen in Parkinson's disease. <i>Annals of Neurology</i> , 1995, 38, 379-388.	2.8	421
97	Clinical correlates of {18F}fluorodopa uptake in five grafted Parkinsonian patients. <i>Annals of Neurology</i> , 1995, 38, 580-588.	2.8	142
98	Striatal dopaminergic denervation in Pallidopyramidal disease demonstrated by positron emission tomography. <i>Annals of Neurology</i> , 1995, 38, 954-956.	2.8	23
99	Evaluation of the incorporation of bone grafts used in maxillofacial surgery with [18F]fluoride ion and dynamic positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1995, 22, 1133-1140.	2.2	53
100	Regional myocardial blood flow, glucose utilization and contractile function before and after revascularization and ultrastructural findings in patients with chronic coronary artery disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1995, 22, 1299-1305.	2.2	25
101	PET examination of the monoamine transporter with [11c]i²-CIT and [11c]i²-CFT in early parkinson's disease. <i>Synapse</i> , 1995, 21, 97-103.	0.6	67
102	Analysis of Time Courses of Metabolic Precursors and Products in Heterogeneous Rat Brain Tissue: Limitations of Kinetic Modeling for Predictions of Intracompartmental Concentrations from Total Tissue Activity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995, 15, 474-484.	2.4	9
103	Functional circulation images by angio-CT in the assessment of small deep cerebral infarctions. <i>Computerized Medical Imaging and Graphics</i> , 1995, 19, 313-323.	3.5	3
104	The assessment of the non-equilibrium effect in the 'Patlak analysis' of Fdopa PET studies. <i>Physics in Medicine and Biology</i> , 1995, 40, 1243-1254.	1.6	8
105	Myocardial 18F-FDG-PET. <i>Angiology</i> , 1995, 46, 313-320.	0.8	8
106	Gender and Insulin Sensitivity in the Heart and in Skeletal Muscles: Studies Using Positron Emission Tomography. <i>Diabetes</i> , 1995, 44, 31-36.	0.3	203
107	Complementary Positron Emission Tomographic Studies of the Striatal Dopaminergic System in Parkinson's Disease. <i>Archives of Neurology</i> , 1995, 52, 1183-1190.	4.9	169
108	Peduncular 'Rubral' Tremor and Dopaminergic Denervation. <i>Neurology</i> , 1995, 45, 472-477.	1.5	218
109	Uptake mechanisms of meta-[123I]iodobenzylguanidine in isolated rat heart. <i>Nuclear Medicine and Biology</i> , 1995, 22, 1-12.	0.3	64
110	Isolated involvement of substantia nigra in acute transient parkinsonism: MRI and PET observations. <i>Parkinsonism and Related Disorders</i> , 1995, 1, 67-72.	1.1	14

#	ARTICLE	IF	CITATIONS
111	An evaluation of the algorithms for determining local cerebral metabolic rates of glucose using positron emission tomography dynamic data. IEEE Transactions on Medical Imaging, 1995, 14, 697-710.	5.4	77
112	Quantitation of clinical 3D PET studies with the ETM scatter correction. , 0, , .		0
113	Striatal [18F]fluorodopa utilization after COMT inhibition with entacapone studied with PET in advanced Parkinson's disease. Journal of Neural Transmission Parkinson's Disease and Dementia Section, 1995, 10, 91-106.	1.2	33
114	Brain 6-[18 F]fluorodopa metabolism in early and late onset of Parkinson's disease studied by positron emission tomography. Journal of the Neurological Sciences, 1996, 144, 70-76.	0.3	16
115	PET study of cerebral glucose metabolism and fluorodopa uptake in patients with corticobasal degeneration. Journal of the Neurological Sciences, 1996, 139, 210-217.	0.3	54
116	Opioid receptor imaging and displacement studies with [6-O-[11C]methyl]buprenorphine in baboon brain. Nuclear Medicine and Biology, 1996, 23, 325-331.	0.3	35
117	Oncological applications of positron emission tomography with fluorine-18 fluorodeoxyglucose. European Journal of Nuclear Medicine and Molecular Imaging, 1996, 23, 1641-1674.	2.2	450
118	Quantification of dopamine metabolism in man: a mathematically justifiable approach. Physics in Medicine and Biology, 1996, 41, 963-978.	1.6	4
119	<title>Simulation and analysis of dynamic brain PET images</title>. , 1996, , .		0
120	Simple method to quantify myocardial glucose metabolism from MB ratio in myocardial FDG PET. Annals of Nuclear Medicine, 1996, 10, 323-328.	1.2	4
121	Neurotransmitter positron emission tomographic-studies in adults with phenylketonuria, a pilot study. European Journal of Pediatrics, 1996, 155, S78-S81.	1.3	28
122	6-[18F]fluoro-L-DOPA-PET studies show partial reversibility of long-term effects of chronic amphetamine in monkeys. , 1996, 22, 63-69.		40
123	Assessment of regional cerebral blood flow images with non-diffusible contrast media and angio-CT. Comparison with Xe-CT. Computerized Medical Imaging and Graphics, 1996, 20, 19-29.	3.5	3
124	Assessment of the CO2 response by means of non diffusible contrast media and Angio-CT in patients with cluster headache. Computerized Medical Imaging and Graphics, 1996, 20, 171-182.	3.5	2
125	Brain tumor iron uptake measured with positron emission tomography and 52Fe-citrate. Journal of Neuro-Oncology, 1996, 29, 157-165.	1.4	14
126	Distribution Volume Ratios without Blood Sampling from Graphical Analysis of PET Data. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 834-840.	2.4	1,351
127	Fluorodopa Positron Emission Tomography with an Inhibitor of Catechol-O-Methyltransferase: Effect of the Plasma 3-O-Methyl-dopa Fraction on Data Analysis. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 854-863.	2.4	52
128	Simplified Brain Slice Glucose Utilization. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 864-880.	2.4	8

#	ARTICLE	IF	CITATIONS
129	Cerebral metabolic rate for glucose during the first six months of life: an FDG positron emission tomography study.. Archives of Disease in Childhood: Fetal and Neonatal Edition, 1996, 74, F153-F157.	1.4	110
130	Complementary PET studies of striatal neuronal function in the differential diagnosis between multiple system atrophy and Parkinson's disease. Brain, 1997, 120, 2187-2195.	3.7	209
131	Functional Effects of Striatal Dysfunction in Parkinson Disease. Archives of Neurology, 1997, 54, 145-150.	4.9	103
132	A study of the effects of sumatriptan on myocardial perfusion in healthy female migraineurs using ¹³ NH ₃ positron emission tomography. Neurology, 1997, 48, 1542-1550.	1.5	34
133	[18F]fluorodopa PET shows striatal dopaminergic dysfunction in juvenile neuronal ceroid lipofuscinosis.. Journal of Neurology, Neurosurgery and Psychiatry, 1997, 62, 622-625.	0.9	29
134	Comparison of [18F]FDG-PET, [99mTc]-HMPAO-SPECT, and [123I]-iomazenil-SPECT in localising the epileptogenic cortex. Journal of Neurology, Neurosurgery and Psychiatry, 1997, 63, 743-748.	0.9	25
135	Positron Emission Tomography Measurement of Cerebral Metabolic Correlates of Yohimbine Administration in Combat-Related Posttraumatic Stress Disorder. Archives of General Psychiatry, 1997, 54, 246.	13.8	289
136	Cognitive deficits in Huntington's disease are predicted by dopaminergic PET markers and brain volumes. Brain, 1997, 120, 2207-2217.	3.7	188
137	Striatal dopamine metabolism correlated with frontotemporal glucose utilization in Alzheimer's disease: A double-tracer PET study. Neurology, 1997, 49, 941-945.	1.5	36
138	Misure di flusso cerebrale, tempo di transito, volume vascolare e permeabilità di barriera nelle lesioni ischemiche con immagini funzionali derivate dall'angio-TC. The Neuroradiology Journal, 1997, 10, 124-127.	0.1	0
139	Valutazione emodinamica delle malformazioni vascolari cerebrali con Angio-TC. The Neuroradiology Journal, 1997, 10, 143-144.	0.1	0
140	Increased dopamine activity associated with stuttering. NeuroReport, 1997, 8, 767-770.	0.6	188
141	Linear least squares compartmental-model-independent parameter identification in PET. IEEE Transactions on Medical Imaging, 1997, 16, 11-16.	5.4	10
142	Effects of monoamine oxidase and catechol-O-methyltransferase inhibition on dopamine turnover: A PET study with 6-[11C]-DOPA. European Journal of Pharmacology, 1997, 334, 31-38.	1.7	20
143	Presynaptic dopaminergic function in the striatum of schizophrenic patients. Schizophrenia Research, 1997, 23, 167-174.	1.1	162
144	Does fluorine-18 fluorodeoxyglucose metabolic imaging of tumours benefit oncology?. European Journal of Nuclear Medicine and Molecular Imaging, 1997, 24, 691-705.	2.2	88
145	Temporal lobe pathology in epilepsy: Proton magnetic resonance spectroscopy and positron emission tomography study. Pediatric Neurology, 1997, 16, 98-104.	1.0	16
146	Opsoclonus-myoclonus syndrome with abnormal single photon emission computed tomography imaging. Pediatric Neurology, 1997, 16, 334-336.	1.0	40

#	ARTICLE	IF	CITATIONS
147	PET Scan Predicts Recovery of Left Ventricular Function After Coronary Artery Bypass Operation. <i>Annals of Thoracic Surgery</i> , 1997, 64, 1694-1701.	0.7	24
148	Effects of Catechol-O-methyltransferase Inhibition on the Rates of Uptake and Reversibility of 6-Fluoro-L-Dopa Trapping in MPTP-induced Parkinsonism in Monkeys. <i>Neuropharmacology</i> , 1997, 36, 363-371.	2.0	34
149	Assessment of Myocardial Viability in Chronic Coronary Artery Disease Using Technetium-99m Sestamibi SPECT. <i>Journal of the American College of Cardiology</i> , 1997, 29, 62-68.	1.2	139
150	Dopamine D2 receptors quantified in vivo in human narcolepsy. <i>Biological Psychiatry</i> , 1997, 41, 305-310.	0.7	37
151	Ethological and 6-[18F]fluoro-L-DOPA-PET profiles of long-term vulnerability to chronic amphetamine. <i>Behavioural Brain Research</i> , 1997, 84, 259-268.	1.2	21
153	Fatty acid uptake is preserved in chronically dysfunctional but viable myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997, 273, H2473-H2480.	1.5	21
154	On the Rate of Decarboxylation of Dopa to Dopamine in Living Mammalian Brain. <i>Annals of the New York Academy of Sciences</i> , 1997, 835, 274-308.	1.8	12
155	Quantification of Neuroreceptors in the Living Human Brain: III. D2-Like Dopamine Receptors: Theory, Validation, and Changes during Normal Aging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 316-330.	2.4	98
156	In Vivo Kinetics of [18F](N-Methyl)Benperidol: A Novel PET Tracer for Assessment of Dopaminergic D2-Like Receptor Binding. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 833-845.	2.4	32
157	Noninvasive Quantitative Measurements of Regional Cerebral Blood Flow Using Technetium-99m-L,L-ECD SPECT Activated with Acetazolamide: Quantification Analysis by Equal-Volume-Split 99mTc-ECD Consecutive SPECT Method. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 1020-1032.	2.4	55
158	Decreased prefrontal dopamine D1 receptors in schizophrenia revealed by PET. <i>Nature</i> , 1997, 385, 634-636.	13.7	676
159	Cerebral metabolic rate for glucose after neonatal hypoglycaemia. <i>Early Human Development</i> , 1997, 49, 63-72.	0.8	12
160	Recovery of striatal dopamine function after acute amphetamine- and methamphetamine-induced neurotoxicity in the vervet monkey. <i>Brain Research</i> , 1997, 766, 113-120.	1.1	116
161	Cerebral 6-[18F]fluoro-L-DOPA uptake in rhesus monkey: pharmacological influence of aromatic amino acid decarboxylase (AAAD) and catechol-O-methyltransferase (COMT) inhibition. <i>Brain Research</i> , 1997, 767, 45-54.	1.1	11
162	Detection of local recurrence of soft-tissue sarcoma with positron emission tomography using [18F]fluorodeoxyglucose. <i>Annals of Surgical Oncology</i> , 1997, 4, 57-63.	0.7	99
163	On the accuracy of an [18F]FDOPA compartmental model: evidence for vesicular storage of [18F]fluorodopamine in vivo. <i>Journal of Neuroscience Methods</i> , 1997, 76, 157-165.	1.3	32
164	Dopaminergic function in familial Parkinson's disease: A clinical and 18F-dopa positron emission tomography study. <i>Annals of Neurology</i> , 1997, 41, 222-229.	2.8	140
165	Striatal 6-[18F]fluorodopa accumulation after combined inhibition of peripheral catechol-O-methyltransferase and monoamine oxidase type B: Differing response in relation to presynaptic dopaminergic dysfunction. <i>Journal of Neurochemistry</i> , 1997, 27, 336-346.		24

#	ARTICLE	IF	CITATIONS
166	Noninvasive Quantification of the Cerebral Metabolic Rate for Glucose Using Positron Emission Tomography, 18F-Fluoro-2-Deoxyglucose, the Patlak Method, and an Image-Derived Input Function. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 716-723.	2.4	286
167	Validation of the Three-Dimensional Acquisition Mode in Positron Emission Tomography for the Quantitation of [18F]Fluoro-DOPA Uptake in the Human Striata. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 951-959.	2.4	12
168	Temporal lobe epilepsy visualized with PET with 11 C-L-deuterium-deprenyl - analysis of kinetic data. <i>Acta Neurologica Scandinavica</i> , 1998, 98, 224-231.	1.0	43
169	Age-related declines in nigral neuronal function correlate with motor impairments in rhesus monkeys. <i>Journal of Comparative Neurology</i> , 1998, 401, 253-265.	0.9	267
170	Compartmental analysis of dopa decarboxylation in living brain from dynamic positron emission tomograms. , 1998, 29, 37-61.		103
171	Rapid detection of Parkinson's disease by SPECT with altropane: A selective ligand for dopamine transporters. , 1998, 29, 128-141.		104
172	6-[18F]fluoro-L-DOPA PET studies of the turnover of dopamine in MPTP-induced parkinsonism in monkeys. , 1998, 29, 225-232.		70
173	Quantification of the extraction fraction for gadopentetate across breast cancer capillaries. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 537-543.	1.9	84
174	PET study and neuropsychological assessment of a long-lasting post-encephalitic parkinsonism. <i>Journal of Neural Transmission</i> , 1998, 105, 489-495.	1.4	13
175	PET studies of peripheral catechol-O-methyltransferase in non-human primates using [18 F]Ro41-0960. <i>Journal of Neural Transmission</i> , 1998, 105, 1199-1211.	1.4	5
176	Non-invasive estimation of the net influx constant using the standardized uptake value for quantification of FDG uptake of tumours. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1998, 25, 559-564.	3.3	67
177	Role of positron emission tomography using fluorine-18 fluoro-2-deoxyglucose in predicting improvement in left ventricular function in patients with idiopathic dilated cardiomyopathy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1998, 25, 736-743.	3.3	17
178	PET study of striatal fluorodopa uptake and dopamine D2 receptor binding in a patient with juvenile parkinsonism. <i>European Journal of Neurology</i> , 1998, 5, 243-248.	1.7	5
179	Glucose consumption by various tissues in pregnant rats: effects of a 6 day euglycaemic hyperinsulinaemic clamp. <i>Acta Physiologica Scandinavica</i> , 1998, 164, 325-334.	2.3	10
180	Dizocilpine and reduced body temperature do not prevent methamphetamine-induced neurotoxicity in the vervet monkey: [11C]WIN 35,428 - positron emission tomography studies. <i>Neuroscience Letters</i> , 1998, 258, 17-20.	1.0	33
181	Effect of age on caudate dopaminergic function in idiopathic Parkinsonism. <i>Parkinsonism and Related Disorders</i> , 1998, 4, 1-5.	1.1	6
182	Kinetics of the norepinephrine analog [76Br]-metabromobenzylguanidine in isolated working rat heart. <i>Nuclear Medicine and Biology</i> , 1998, 25, 1-16.	0.3	15
183	First-Pass Cerebral Extraction of Benzamide-Derivative Radiotracers for SPECT. <i>Nuclear Medicine and Biology</i> , 1998, 25, 289-293.	0.3	1

#	ARTICLE	IF	CITATIONS
184	Sensitivity of New Radiopharmaceuticals. <i>Nuclear Medicine and Biology</i> , 1998, 25, 169-173.	0.3	45
185	N-[11C]Methylspiperone PET, in contrast to [11C]raclopride, fails to detect D2 receptor occupancy by an atypical neuroleptic. <i>Psychiatry Research - Neuroimaging</i> , 1998, 82, 147-160.	0.9	30
186	Effects of the GABAergic system on in vivo binding of [3H]N-methylspiperone. <i>Neuropharmacology</i> , 1998, 37, 375-381.	2.0	2
187	POSITRON EMISSION TOMOGRAPHY IN UROLOGICAL ONCOLOGY. <i>Journal of Urology</i> , 1998, 159, 347-356.	0.2	138
188	PET in breast cancer. <i>Seminars in Nuclear Medicine</i> , 1998, 28, 290-302.	2.5	92
189	Muscarinic cholinergic receptors in human narcolepsy. <i>Neurology</i> , 1998, 51, 1297-1302.	1.5	117
190	Long-term Follow-up of Levodopa Responsiveness in Generalized Dystonia. <i>Archives of Neurology</i> , 1998, 55, 1320.	4.9	15
191	A new method to estimate parameters of linear compartmental models using artificial neural networks. <i>Physics in Medicine and Biology</i> , 1998, 43, 1659-1678.	1.6	5
192	Brain muscarinic receptors in progressive supranuclear palsy and Parkinson's disease: a positron emission tomographic study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1998, 65, 155-163.	0.9	76
193	Prospective and retrospective studies of recovery in aphasia. Changes in cerebral blood flow and language functions. <i>Brain</i> , 1998, 121, 2083-2094.	3.7	122
194	Insulin resistance in essential hypertension is characterized by impaired insulin stimulation of blood flow in skeletal muscle. <i>Journal of Hypertension</i> , 1998, 16, 211-219.	0.3	30
195	Estimating glucose metabolism using glucose analogs and two tracer kinetic models in isolated rabbit heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 275, H668-H679.	1.5	7
196	Imaging of the Dopamine Presynaptic System by PET: 6-[18 F]Fluoro-L-DOPA versus 6-[18 F]Fluoro-L-m-tyrosine 1 1Transcripts of the BRAINPET97 discussion of this chapter can be found in Section VIII., 1998, , 387-391.		0
197	Myocardial blood flow, oxygen consumption, and fatty acid uptake in endurance athletes during insulin stimulation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 277, E585-E590.	1.8	14
198	Insulin action on heart and skeletal muscle glucose uptake in weight lifters and endurance athletes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 276, E706-E711.	1.8	33
199	Prognostic Importance of the Standardized Uptake Value on ¹⁸ F-Fluoro-2-Deoxy-Glucoseâ€“Positron Emission Tomography Scan in Nonâ€“Small-Cell Lung Cancer: An Analysis of 125 Cases. <i>Journal of Clinical Oncology</i> , 1999, 17, 3201-3206.	0.8	427
200	Changes in the left ventricular outflow tract after transcatheter ablation of septal hypertrophy (TASH) for hypertrophic obstructive cardiomyopathy as assessed by transoesophageal echocardiography and by measuring myocardial glucose utilization and perfusion. <i>European Heart Journal</i> , 1999, 20, 1808-1817.	1.0	47
201	Frontal, midbrain and striatal dopaminergic function in early and advanced Parkinson's disease A 3D [18F]dopa-PET study. <i>Brain</i> , 1999, 122, 1637-1650.	3.7	255

#	ARTICLE	IF	CITATIONS
202	Positron Emission Tomography in Grading Soft Tissue Sarcomas. <i>Seminars in Musculoskeletal Radiology</i> , 1999, 3, 135-138.	0.4	25
203	Immediate-release and controlled-release carbidopa/levodopa in PD. <i>Neurology</i> , 1999, 53, 1012-1012.	1.5	214
204	FluoroDOPA PET shows the nondopaminergic as well as dopaminergic destinations of levodopa. <i>Neurology</i> , 1999, 53, 1212-1212.	1.5	79
205	Impaired free fatty acid uptake in skeletal muscle but not in myocardium in patients with impaired glucose tolerance: studies with PET and 14(R,S)-[18F]fluoro-6-thia-heptadecanoic acid. <i>Diabetes</i> , 1999, 48, 1245-1250.	0.3	63
206	Statistical parametric mapping with 18F-dopa PET shows bilaterally reduced striatal and nigral dopaminergic function in early Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1999, 66, 754-758.	0.9	53
207	Long-term Evaluation of Bilateral Fetal Nigral Transplantation in Parkinson Disease. <i>Archives of Neurology</i> , 1999, 56, 179.	4.9	347
208	Regional Specific Changes of Cerebral Metabolism in Systemic Lupus erythematosus Identified by Positron Emission Tomography. <i>European Neurology</i> , 1999, 41, 187-193.	0.6	12
209	Application of positron emission tomography to determine cerebral glucose utilization in conscious infant monkeys. <i>Journal of Neuroscience Methods</i> , 1999, 88, 123-133.	1.3	7
210	Kinetic analysis of 52 Fe-labelled iron(III) hydroxide-sucrose complex following bolus administration using positron emission tomography. <i>British Journal of Haematology</i> , 1999, 104, 288-295.	1.2	26
211	Pharmacokinetics and red cell utilization of iron(III) hydroxide-sucrose complex in anaemic patients: a study using positron emission tomography. <i>British Journal of Haematology</i> , 1999, 104, 296-302.	1.2	71
212	Sodium nitroprusside increases human skeletal muscle blood flow, but does not change flow distribution or glucose uptake. <i>Journal of Physiology</i> , 1999, 521, 729-737.	1.3	29
213	[18F]FDG-PET and Whole-Scalp MEG Localization of Epileptogenic Cortex. <i>Epilepsia</i> , 1999, 40, 921-930.	2.6	52
214	Uncoupling of fatty acid and glucose metabolism in malignant lymphoma: a PET study. <i>British Journal of Cancer</i> , 1999, 80, 513-518.	2.9	17
215	Evaluation of Dopaminergic Presynaptic Integrity: 6-[18F]Fluoro-L-Dopa Versus 6-[18F]Fluoro-L-m-Tyrosine. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 278-287.	2.4	42
216	Which Linear Compartmental Systems Can Be Analyzed by Spectral Analysis of PET Output Data Summed over All Compartments?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 560-569.	2.4	30
217	Quantification of μ -Opioid Receptors in Human Brain with ^{11}C -([11C]Methyl) Naltrindole and Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 956-966.	2.4	46
218	A Comparison of ^{11}C -Labeled l-DOPA and l-Fluorodopa as Positron Emission Tomography Tracers for the Presynaptic Dopaminergic System. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 1142-1149.	2.4	30
219	A PET study of ^{18}F FDG uptake in soft tissue masses. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1999, 26, 22-30.	3.3	259

#	ARTICLE	IF	CITATIONS
220	Quantification of cerebral blood flow using technetium-99m ethyl cysteinate dimer and single-photon emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1999, 26, 246-252.	3.3	2
221	Allogenic bone graft viability after hip revision arthroplasty assessed by dynamic [18 F]fluoride ion positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1999, 26, 615-624.	3.3	70
222	Correspondence. <i>Neuropsychopharmacology</i> , 1999, 20, 395-396.	2.8	1
223	A de novo splice donor site mutation causes in-frame deletion of 14 amino acids in the proteolipid protein in Pelizaeus-Merzbacher disease. <i>Annals of Neurology</i> , 1999, 46, 112-115.	2.8	10
224	Homozygotes for oculopharyngeal muscular dystrophy have a severe form of the disease. <i>Annals of Neurology</i> , 1999, 46, 115-118.	2.8	92
225	Anti-myelin-associated glycoprotein antibodies predict the development of neuropathy in asymptomatic patients with IgM monoclonal gammopathy. <i>Annals of Neurology</i> , 1999, 46, 119-122.	2.8	47
226	Increased iron in the dentate nucleus of patients with Friedreich's ataxia. <i>Annals of Neurology</i> , 1999, 46, 123-125.	2.8	214
227	Function of the cerebellum in parkinsonian rest tremor and Holmes' tremor. <i>Annals of Neurology</i> , 1999, 46, 126-128.	2.8	106
228	Remarkable increase in cerebrospinal fluid 3-nitrotyrosine in patients with sporadic amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 1999, 46, 129-131.	2.8	170
229	Positron emission tomographic studies in restless legs syndrome. <i>Movement Disorders</i> , 1999, 14, 141-145.	2.2	177
230	Cerebral 6-[18F]fluoro-L-DOPA (FDOPA) metabolism in pig studied by positron emission tomography. , 1999, 33, 247-258.		24
231	Localization of trapping of 6-[18F]fluoro-L-m-tyrosine, an aromaticL-amino acid decarboxylase tracer for PET. , 1999, 34, 111-123.		21
232	Impaired somatosensory discrimination of shape in Parkinson's disease: Association with caudate nucleus dopaminergic function. <i>Human Brain Mapping</i> , 1999, 8, 1-12.	1.9	40
233	Generalized ridge regression versus simple ridge regression for generation of kinetic parametric images in PET. , 0, , .		2
234	Cerebral blood flow and glucose metabolism in long-term survivors of childhood acute lymphoblastic leukaemia. <i>European Journal of Cancer</i> , 1999, 35, 1102-1108.	1.3	12
235	Dopamine imaging markers and predictive mathematical models for progressive degeneration in Parkinson's disease. <i>Biomedicine and Pharmacotherapy</i> , 1999, 53, 131-140.	2.5	18
236	Monitoring of graft perfusion and osteoblast activity in revascularised fibula segments using [18F]-positron emission tomography. <i>International Journal of Oral and Maxillofacial Surgery</i> , 1999, 28, 349-355.	0.7	29
237	Decreased blood flow but unaltered insulin sensitivity of glucose uptake in skeletal muscle of chronic smokers. <i>Metabolism: Clinical and Experimental</i> , 1999, 48, 239-244.	1.5	14

#	ARTICLE	IF	CITATIONS
238	Increased dopamine synthesis rate in medial prefrontal cortex and striatum in schizophrenia indicated by L-(2 - 11 C) DOPA and PET. <i>Biological Psychiatry</i> , 1999, 46, 681-688.	0.7	267
239	Dynamic changes in glucose metabolism induced by thiamine deficiency and its replenishment as revealed by a positron autoradiography technique using rat living brain slices. <i>Journal of the Neurological Sciences</i> , 1999, 164, 29-36.	0.3	15
240	The relation of putamen and caudate nucleus 18 F-Dopa uptake to motor and cognitive performances in Parkinson's disease. <i>Journal of the Neurological Sciences</i> , 1999, 166, 141-151.	0.3	148
241	An in vivo CT Study of Blood-Brain Barrier Permeability and Vascular Volume in a Brain Tumor Model: Potential Applications to Stereotactic Radiosurgery. , 1999, 3, 135-152.		0
242	Functional Circulation Time, rCBV and rCBF Images by Angio-CT in the Assessment of Altered Carotid Canalization. <i>The Neuroradiology Journal</i> , 1999, 12, 387-398.	0.1	0
243	Dopaminergic Dysfunction in Midbrain Dystonia. <i>Archives of Neurology</i> , 1999, 56, 982.	4.9	58
244	¹⁸ F-fluorodopa PET study of striatal dopamine uptake in the diagnosis of dementia with Lewy bodies. <i>Neurology</i> , 2000, 55, 1575-1577.	1.5	120
245	Noninvasive Measurement of Cerebral Blood Flow With 99m Tc-Hexamethylpropyleneamine Oxime Single-Photon Emission Computed Tomography and 1-Point Venous Blood Sampling. <i>Stroke</i> , 2000, 31, 2203-2207.	1.0	5
246	Whole-body energy mapping under physical exercise using positron emission tomography. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 2067-2070.	0.2	21
247	Clinical Value of [18 F] Fluorodeoxyglucose Positron Emission Tomography Imaging in Soft Tissue Sarcomas. <i>Annals of Surgery</i> , 2000, 231, 380-386.	2.1	162
248	Cerebral glucose metabolism in survivors of childhood acute lymphoblastic leukemia. <i>Cancer</i> , 2000, 88, 693-700.	2.0	19
249	Long-term methamphetamine-induced decreases of [11 C]WIN 35,428 binding in striatum are reduced by GDNF: PET studies in the vervet monkey. , 2000, 35, 243-249.		45
250	Disturbed functional brain interactions underlying deficient tactile object discrimination in Parkinson's disease. <i>Human Brain Mapping</i> , 2000, 11, 131-145.	1.9	26
251	In vivo positron emission tomographic evidence for compensatory changes in presynaptic dopaminergic nerve terminals in Parkinson's disease. <i>Annals of Neurology</i> , 2000, 47, 493-503.	2.8	515
252	Striatal dopaminergic transmission and neocortical glucose utilization in Alzheimer's disease: a triple-tracer positron emission tomography study. <i>Archives of Gerontology and Geriatrics</i> , 2000, 31, 147-158.	1.4	11
253	Modeling Dynamic PET-SPECT Studies in the Wavelet Domain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 879-893.	2.4	54
254	Striatal Kinetic Modeling of FDOPA with a Cerebellar-Derived Constraint on the Distribution Volume of 3OMFD: A PET Investigation using Non-Human Primates. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 1134-1148.	2.4	9
255	Recovery from methamphetamine induced long-term nigrostriatal dopaminergic deficits without substantia nigra cell loss. <i>Brain Research</i> , 2000, 871, 259-270.	1.1	125

#	ARTICLE	IF	CITATIONS
256	Comparison of clinical data sets acquired on different tomographs using 6- 18 F- l -dopa. European Journal of Nuclear Medicine and Molecular Imaging, 2000, 27, 707-712.	3.3	17
257	Evidence for impaired presynaptic dopamine function in parkinsonian patients with motor fluctuations. Journal of Neural Transmission, 2000, 107, 49-57.	1.4	61
258	FDG- and Dopa-PET in postencephalitic parkinsonism. Journal of Neural Transmission, 2000, 107, 1289-1295.	1.4	28
259	Direct measurement of the lumped constant for 2-deoxy-[1-14C]glucose in vivo in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E228-E233.	1.8	13
260	Lumped constant for [¹⁸ F]fluorodeoxyglucose in skeletal muscles of obese and nonobese humans. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E1122-E1130.	1.8	89
261	Movement Disorders: Parkinson's Disease. , 2000, , 241-261.		11
262	Enhanced stimulation of glucose uptake by insulin increases exercise-stimulated glucose uptake in skeletal muscle in humans: studies using [15O]O ₂ , [15O]H ₂ O, [18F]fluoro-deoxy-glucose, and positron emission tomography.. Diabetes, 2000, 49, 1084-1091.	0.3	55
263	Long-Term Right Ventricular Volume Overload Increases Myocardial Fluorodeoxyglucose Uptake in the Interventricular Septum in Patients With Atrial Septal Defect. Circulation, 2000, 101, 1686-1692.	1.6	18
264	Enhancement of survival of stored dopaminergic cells and promotion of graft survival by exposure of human fetal nigral tissue to glial cell lineâ€”derived neurotrophic factor in patients with Parkinson's disease. Journal of Neurosurgery, 2000, 92, 863-869.	0.9	106
265	Cognitive Impairment and the Brain Dopaminergic System in Parkinson Disease. Archives of Neurology, 2000, 57, 470.	4.9	321
266	Posthypoxic Reoxygenation-Induced Neurotoxicity Prevented by Free Radical Scavenger and NMDA/non-NMDA Antagonist in Tandem as Revealed by Dynamic Changes in Glucose Metabolism with Positron Autoradiography. Experimental Neurology, 2000, 164, 269-279.	2.0	9
267	Nigrostriatal dopamine system and motor lateralization. Behavioural Brain Research, 2000, 112, 63-68.	1.2	76
268	Graphical analysis of PET data applied to reversible and irreversible tracers. Nuclear Medicine and Biology, 2000, 27, 661-670.	0.3	361
269	Extrastriatal Mean Regional Uptake of Fluorine-18-FDOPA in the Normal Aged Brainâ€”An Approach Using MRI-Aided Spatial Normalization. NeuroImage, 2000, 11, 760-766.	2.1	23
270	Neurodegeneration Prevented by Lentiviral Vector Delivery of GDNF in Primate Models of Parkinson's Disease. Science, 2000, 290, 767-773.	6.0	1,201
271	Imaging Transgene Expression with Radionuclide Imaging Technologies. Neoplasia, 2000, 2, 118-138.	2.3	317
272	Acute effects of thalamotomy and pallidotomy on regional cerebral metabolism, evaluated by PET. Clinical Neurology and Neurosurgery, 2000, 102, 84-90.	0.6	14
273	Regional myocardial blood flow reserve impairment and metabolic changes suggesting myocardial ischemia in patients with idiopathic dilated cardiomyopathy. Journal of the American College of Cardiology, 2000, 35, 19-28.	1.2	218

#	ARTICLE	IF	CITATIONS
274	D2 and 5HT2A receptor occupancy of different doses of quetiapine in schizophrenia: a PET study. <i>European Neuropsychopharmacology</i> , 2001, 11, 105-110.	0.3	128
275	Quantitative evaluation of skeletal tumours with dynamic FDG PET: SUV in comparison to Patlak analysis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2001, 28, 704-710.	2.2	37
277	Positron emission tomography shows that impaired frontal lobe functioning in Parkinson's disease is related to dopaminergic hypofunction in the caudate nucleus. <i>Neuroscience Letters</i> , 2001, 311, 81-84.	1.0	157
278	A comparison of ¹⁸ F-dopa PET and inversion recovery MRI in the diagnosis of Parkinson's disease. <i>Neurology</i> , 2001, 56, 1195-1200.	1.5	76
279	Striatal and pontocerebellar hypoperfusion in Hallervorden-Spatz syndrome. <i>Pediatric Neurology</i> , 2001, 25, 170-174.	1.0	14
280	Positron emission tomography in pallido-ponto-nigral degeneration (PPND) family (frontotemporal) and Related Disorders, 2001, 7, 81-88.	1.1	27
281	Kinetics of the metabolism of four PET radioligands in living minipigs. <i>Nuclear Medicine and Biology</i> , 2001, 28, 97-104.	0.3	43
282	Receptor binding radiotracers: personal history of the past 20 years. <i>Nuclear Medicine and Biology</i> , 2001, 28, 573-583.	0.3	4
283	The physical chemistry of ligand-receptor binding identifies some limitations to the analysis of receptor images. <i>Nuclear Medicine and Biology</i> , 2001, 28, 477-483.	0.3	18
284	A digital phantom of the axilla based on the Visible Human Project data set. <i>IEEE Transactions on Nuclear Science</i> , 2001, 48, 1418-1422.	1.2	0
285	Plasma Fatty Acids, Adiposity, and Variance of Skeletal Muscle Insulin Resistance in Type 2 Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 5412-5419.	1.8	85
286	Myocardial Insulin-mediated Glucose Uptake and Left Ventricular Geometry. <i>Blood Pressure</i> , 2001, 10, 27-32.	0.7	5
287	Linear ridge regression with spatial constraint for generation of parametric images in dynamic positron emission tomography studies. <i>IEEE Transactions on Nuclear Science</i> , 2001, 48, 125-130.	1.2	60
288	Metabolic Characterization of Spinocerebellar Ataxia Type 6. <i>Archives of Neurology</i> , 2001, 58, 300.	4.9	44
289	[18F]FDG-PET Reveals Temporal Hypometabolism in Patients With Temporal Lobe Epilepsy Even When Quantitative MRI and Histopathological Analysis Show Only Mild Hippocampal Damage. <i>Archives of Neurology</i> , 2001, 58, 933.	4.9	80
290	Physiological Modelling of Positron Emission Tomography Images. , 2001, , 179-211.		2
291	Decreased Presynaptic Dopamine Function in the Left Caudate of Depressed Patients With Affective Flattening and Psychomotor Retardation. <i>American Journal of Psychiatry</i> , 2001, 158, 314-316.	4.0	173
292	The role of positron emission tomography with ¹⁸ F-fluoro-2-deoxy-D-glucose in respiratory oncology. <i>European Respiratory Journal</i> , 2001, 17, 802-820.	3.1	95

#	ARTICLE	IF	CITATIONS
293	PET with 11 C-deuterium-deprenyl and 18 F-FDG in focal epilepsy. <i>Acta Neurologica Scandinavica</i> , 2001, 103, 360-366.	1.0	62
294	Loss of metabolites from monkey striatum during PET with FDOPA. <i>Synapse</i> , 2001, 41, 212-218.	0.6	22
295	Assessing the integrity of the dopamine system in Parkinson's disease: How best to do it?. <i>Movement Disorders</i> , 2001, 16, 804-806.	2.2	6
296	Resting regional cerebral glucose metabolism in advanced Parkinson's disease studied in the off and on conditions with [18F]FDG-PET. <i>Movement Disorders</i> , 2001, 16, 1014-1022.	2.2	109
297	Positron emission tomographic analysis of the nigrostriatal dopaminergic system in familial Parkinsonism associated with mutations in the Parkin gene. <i>Annals of Neurology</i> , 2001, 49, 367-376.	2.8	257
298	Noninvasive assessment of aromatic L-amino acid decarboxylase activity in aging rhesus monkey brain in vivo. <i>Synapse</i> , 2001, 39, 58-63.	0.6	48
299	Assessing Skeletal Muscle Glucose Metabolism With Positron Emission Tomography. <i>IUBMB Life</i> , 2001, 52, 279-284.	1.5	16
300	PET reversed mismatch in an experimental model of subacute myocardial infarction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2001, 28, 457-465.	2.2	14
301	PET "reversed mismatch pattern" early after acute myocardial infarction: follow-up of flow, metabolism and function. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2001, 28, 466-471.	2.2	22
302	Modeling of Receptor Ligand Data in PET and SPECT Imaging: A Review of Major Approaches. <i>Journal of Neuroimaging</i> , 2001, 11, 30-39.	1.0	29
303	A Reversible Tracer Analysis Approach to the Study of Effective Dopamine Turnover. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 469-476.	2.4	67
304	Positron Emission Tomography Compartmental Models. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 635-652.	2.4	470
305	Anatomic and Biochemical Correlates of the Dopamine Transporter Ligand 11C-PE2I in Normal and Parkinsonian Primates: Comparison with 6-[18F]Fluoro-L-Dopa. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 782-792.	2.4	52
306	Myocardial Free Fatty Acid and Glucose Use After Carvedilol Treatment in Patients With Congestive Heart Failure. <i>Circulation</i> , 2001, 103, 2441-2446.	1.6	237
307	Increased frontal [18F]fluorodopa uptake in early Parkinson's disease: sex differences in the prefrontal cortex. <i>Brain</i> , 2001, 124, 1125-1130.	3.7	132
308	The nigrostriatal dopaminergic system in familial early onset parkinsonism with <i>parkin</i> mutations. <i>Neurology</i> , 2001, 56, 1759-1762.	1.5	54
309	Clinical aspects of multifocal or generalized tonic dystonia in reflex sympathetic dystrophy. <i>Neurology</i> , 2001, 56, 1762-1765.	1.5	78
310	Resistance to Exercise-Induced Increase in Glucose Uptake During Hyperinsulinemia in Insulin-Resistant Skeletal Muscle of Patients With Type 1 Diabetes. <i>Diabetes</i> , 2001, 50, 1371-1377.	0.3	38

#	ARTICLE	IF	CITATIONS
311	Evidence for Spatial Heterogeneity in Insulin- and Exercise-Induced Increases in Glucose Uptake: Studies in Normal Subjects and Patients with Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 5525-5533.	1.8	13
312	Rosiglitazone but Not Metformin Enhances Insulin- and Exercise-Stimulated Skeletal Muscle Glucose Uptake in Patients With Newly Diagnosed Type 2 Diabetes. <i>Diabetes</i> , 2002, 51, 3479-3485.	0.3	146
313	Parametric imaging and statistical mapping of brain tumor in Ga-68 EDTA dynamic PET studies. , 0, , .		1
314	Striatal and extrastriatal dysfunction in Parkinson's disease with dementia: a [¹⁸ F]fluorodopa PET study. <i>Brain</i> , 2002, 125, 1358-1365.	3.7	161
315	PET Study of [¹⁸ F]6-Fluoro-l-Dopa Uptake in Neuroleptic- and Mood-Stabilizer-Naive First-Episode Nonpsychotic Mania: Effects of Treatment With Divalproex Sodium. <i>American Journal of Psychiatry</i> , 2002, 159, 768-774.	4.0	123
316	Focal and global cortical hypometabolism in patients with newly diagnosed infantile spasms. <i>Neurology</i> , 2002, 58, 1646-1651.	1.5	30
317	Biochemical mechanisms of hibernation and stunning in the human heart. <i>Cardiovascular Research</i> , 2002, 56, 411-421.	1.8	23
318	Differentiating multiple system atrophy from Parkinson's disease: contribution of striatal and midbrain MRI volumetry and multi-tracer PET imaging. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2002, 73, 517-523.	0.9	199
319	Glucose Uptake and Perfusion in Subcutaneous and Visceral Adipose Tissue during Insulin Stimulation in Nonobese and Obese Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 3902-3910.	1.8	259
320	Non-invasive quantitative monitoring of cerebral blood flow in aneurysmal subarachnoid haemorrhage with ^{99m} Tc-ECD. <i>Nuclear Medicine Communications</i> , 2002, 23, 5-11.	0.5	8
321	Human [¹²³ I]5-I-A-85380 dynamic SPECT studies in normals: kinetic analysis and parametric imaging. , 0, , .		0
322	Simultaneous intrastriatal and intranigral fetal dopaminergic grafts in patients with Parkinson disease: a pilot study. <i>Journal of Neurosurgery</i> , 2002, 96, 589-596.	0.9	145
323	Parametric Imaging of Tumor Perfusion with Deuterium Magnetic Resonance Imaging. <i>Microvascular Research</i> , 2002, 64, 104-115.	1.1	11
324	Sex differences in striatal presynaptic dopamine synthesis capacity in healthy subjects. <i>Biological Psychiatry</i> , 2002, 52, 759-763.	0.7	181
325	Improved Parametric Image Generation Using Spatial-Temporal Analysis of Dynamic PET Studies. <i>NeuroImage</i> , 2002, 15, 697-707.	2.1	53
327	¹⁸ F-deoxyglucose and the assessment of myocardial viability. <i>Seminars in Nuclear Medicine</i> , 2002, 32, 60-69.	2.5	47
328	Measurement of glucose consumption using [¹⁸ F]fluorodeoxyglucose. <i>Methods</i> , 2002, 27, 218-225.	1.9	71
329	The striatal dopaminergic deficit is dependent on the number of mutant alleles in a family with mutations in the parkin gene: evidence for enzymatic parkin function in humans. <i>Neuroscience Letters</i> , 2002, 323, 50-54.	1.0	74

#	ARTICLE	IF	CITATIONS
330	Imaging Brain Function with Positron Emission Tomography. , 2002, , 485-511.		21
331	Advanced image processing in radiology. <i>Imaging</i> , 2002, 14, 478-483.	0.0	0
332	Dynamic image data compression in the spatial and temporal domains: clinical issues and assessment. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2002, 6, 262-268.	3.6	3
333	Monosymptomatic resting tremor and Parkinson's disease: A multitracer positron emission tomographic study. <i>Movement Disorders</i> , 2002, 17, 782-788.	2.2	96
334	A case of general paresis showing marked treatment-associated improvement of cerebellar blood flow by quantitative imaging analysis. <i>Annals of Nuclear Medicine</i> , 2002, 16, 71-74.	1.2	7
335	Effect of tetrabenazine on the striatal uptake of exogenous L-DOPA in vivo: A PET study in young and aged rhesus monkeys. <i>Synapse</i> , 2002, 44, 246-251.	0.6	8
336	The effect of aromatic fluorine substitution in L-DOPA on the in vivo behaviour of [¹² I], [¹⁵ I]- and [¹⁸ F]-fluoro-L-DOPA in the human brain. <i>Journal of Fluorine Chemistry</i> , 2002, 115, 33-39.	0.9	12
337	Increase in Dopamine Turnover Occurs Early in Parkinson's Disease: Evidence from a New Modeling Approach to PET 18F-Fluorodopa Data. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 232-239.	2.4	117
338	Kinetic Compartment Modeling of [¹¹ C]-5-Hydroxy-L-Tryptophan for Positron Emission Tomography Assessment of Serotonin Synthesis in Human Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 1352-1366.	2.4	35
339	Strategy for the Formation of Parametric Images under Conditions of Low Injected Radioactivity Applied to PET Studies with the Irreversible Monoamine Oxidase Tracers [¹¹ C]Clorgyline and Deuterium-Substituted [¹¹ C]Clorgyline. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 1367-1376.	2.4	26
340	Positron Emission Tomography Compartmental Models: A Basis Pursuit Strategy for Kinetic Modeling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 1425-1439.	2.4	181
341	Direct Epicardial Mapping Can Differentiate Hibernating from Scarred Myocardium: A Validation Study with 18F-FDG-PET. <i>Annals of Noninvasive Electrocardiology</i> , 2002, 7, 349-356.	0.5	3
342	Amino acid uptake in the skeletal muscle measured using [¹¹ C]methylaminoisobutyrate (MEAIB) and PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002, 29, 1485-1491.	3.3	11
343	14(R,S)-[¹⁸ F]Fluoro-6-thia-heptadecanoic acid as a tracer of free fatty acid uptake and oxidation in myocardium and skeletal muscle. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002, 29, 1617-1622.	3.3	35
344	Heterogeneity of myocardial blood flow and metabolism: Review of physiologic principles and implications for radionuclide imaging of the heart. <i>Journal of Nuclear Cardiology</i> , 2002, 9, 534-541.	1.4	10
345	Evaluation of brain tumor metabolism with [¹¹ C]choline PET and 1H-MRS. <i>Journal of Neuro-Oncology</i> , 2003, 62, 329-338.	1.4	90
346	Cerebral glucose metabolism in long-term survivors of childhood primary brain tumors treated with surgery and radiotherapy. <i>Journal of Neuro-Oncology</i> , 2003, 62, 305-313.	1.4	5
347	Use of positron emission tomography in anticancer drug development. <i>Investigational New Drugs</i> , 2003, 21, 169-181.	1.2	33

#	ARTICLE	IF	CITATIONS
348	Positron emission tomography (PET): expanding the horizons of oncology drug development. <i>Investigational New Drugs</i> , 2003, 21, 309-340.	1.2	38
349	Comparison of SUV and Patlak slope for monitoring of cancer therapy using serial PET scans. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 46-53.	3.3	95
350	Quantifying tumour hypoxia with fluorine-18 fluoroerythronitroimidazole ([¹⁸ F]FETNIM) and PET using the tumour to plasma ratio. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 101-108.	3.3	76
351	Effect of sabcomeline on muscarinic and dopamine receptor binding in intact mouse brain. <i>Annals of Nuclear Medicine</i> , 2003, 17, 123-130.	1.2	1
352	Graphical analysis of ^{99m} Tc thyroid scintigraphy. <i>Annals of Nuclear Medicine</i> , 2003, 17, 235-238.	1.2	0
353	Asialoglycoprotein receptor concentration in tumor-bearing livers and its fate early after their sectorial resection. <i>Annals of Nuclear Medicine</i> , 2003, 17, 489-493.	1.2	9
354	Liver uptake of free fatty acids in vivo in humans as determined with ¹⁴ (R,S)-[¹⁸ F]fluoro-6-thia-heptadecanoic acid and PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 1160-1164.	3.3	22
355	Monoamine neuron innervation of the normal human brain: an ¹⁸ F-DOPA PET study. <i>Brain Research</i> , 2003, 982, 137-145.	1.1	84
356	Endothelial dysfunction and reduced myocardial perfusion reserve in heart failure secondary to coronary artery disease. <i>American Journal of Cardiology</i> , 2003, 91, 497-500.	0.7	10
357	Positron emission tomography and its use to image the occupancy of drug binding sites. <i>Drug Development Research</i> , 2003, 59, 194-207.	1.4	13
358	Transplantation in Parkinson's disease: PET changes correlate with the amount of grafted tissue. <i>Movement Disorders</i> , 2003, 18, 928-932.	2.2	61
359	Patlak plots of Gd-DTPA MRI data yield blood-brain transfer constants concordant with those of ¹⁴ C-sucrose in areas of blood-brain opening. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 283-292.	1.9	171
360	Plasticity of the nigropallidal pathway in Parkinson's disease. <i>Annals of Neurology</i> , 2003, 53, 206-213.	2.8	152
361	Slower progression of Parkinson's disease with ropinirole versus levodopa: The REAL-PET study. <i>Annals of Neurology</i> , 2003, 54, 93-101.	2.8	820
362	Performance evaluation of principal component analysis in dynamic FDG-PET studies of recurrent colorectal cancer. <i>Computerized Medical Imaging and Graphics</i> , 2003, 27, 43-51.	3.5	25
363	¹¹ C-Methyl-l-tryptophan PET identifies the epileptogenic tuber and correlates with interictal spike frequency. <i>Epilepsy Research</i> , 2003, 52, 203-213.	0.8	79
364	Pharmacokinetics and red cell utilization of ⁵² Fe/ ⁵⁹ Fe-labelled iron polymaltose in anaemic patients using positron emission tomography. <i>British Journal of Haematology</i> , 2003, 120, 853-859.	1.2	59
365	Age and severity of nigrostriatal damage at onset of Parkinson's disease. <i>Synapse</i> , 2003, 47, 152-158.	0.6	33

#	ARTICLE	IF	CITATIONS
366	VMAT2 binding is elevated in dopa-responsive dystonia: Visualizing empty vesicles by PET. <i>Synapse</i> , 2003, 49, 20-28.	0.6	69
367	Insulin and Exercise Stimulated Skeletal Muscle Blood Flow and Glucose Uptake in Obese Men. <i>Obesity</i> , 2003, 11, 257-265.	4.0	35
368	Effect of Dopamine Loss and the Metabolite 3-O-Methyl-[¹⁸ F]Fluoro-dopa on the Relation between the ¹⁸ F-Fluorodopa Tissue Input Uptake Rate Constant K_{occ} and the [¹⁸ F]Fluorodopa Plasma Input Uptake Rate Constant K_i . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 301-309.	2.4	34
369	On the Undecidability among Kinetic Models: From Model Selection to Model Averaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 490-498.	2.4	115
370	Direct brain infusion of glial cell line-derived neurotrophic factor in Parkinson disease. <i>Nature Medicine</i> , 2003, 9, 589-595.	15.2	1,244
371	Principles of tracer kinetic analysis. <i>Neuroimaging Clinics of North America</i> , 2003, 13, 689-704.	0.5	14
372	[¹⁸ F]fluorodopa uptake in the upper brainstem measured with positron emission tomography correlates with decreased REM sleep duration in early Parkinson's disease. <i>Clinical Neurology and Neurosurgery</i> , 2003, 105, 262-269.	0.6	41
373	Linear regression with spatial constraint to generate parametric images of ligand-receptor dynamic PET studies with a simplified reference tissue model. <i>NeuroImage</i> , 2003, 18, 975-989.	2.1	117
374	A 90-year-old monozygotic female twin pair discordant for Alzheimer's disease. <i>Neurobiology of Aging</i> , 2003, 24, 941-945.	1.5	18
375	Altered dopamine D2 receptor binding in atypical facial pain. <i>Pain</i> , 2003, 106, 43-48.	2.0	181
376	Pulmonary ¹⁸ F-fluorodeoxyglucose uptake in infants of very low birth weight with and without intrauterine inflammation. <i>Journal of Pediatrics</i> , 2003, 143, 470-476.	0.9	3
377	Evaluation of [¹⁸ F]FHPG as PET tracer for HSVtk gene expression. <i>Nuclear Medicine and Biology</i> , 2003, 30, 651-660.	0.3	16
378	A review of graphical methods for tracer studies and strategies to reduce bias. <i>Nuclear Medicine and Biology</i> , 2003, 30, 833-844.	0.3	80
379	A linear wavelet filter for parametric imaging with dynamic pet. <i>IEEE Transactions on Medical Imaging</i> , 2003, 22, 289-301.	5.4	65
380	Effects of Metformin and Rosiglitazone Monotherapy on Insulin-Mediated Hepatic Glucose Uptake and Their Relation to Visceral Fat in Type 2 Diabetes. <i>Diabetes Care</i> , 2003, 26, 2069-2074.	4.3	56
381	Differential Effects of Rosiglitazone and Metformin on Adipose Tissue Distribution and Glucose Uptake in Type 2 Diabetic Subjects. <i>Diabetes</i> , 2003, 52, 283-290.	0.3	144
382	Direct reconstruction of kinetic parameter images from dynamic PET data. , 0, , .		3
383	Quantification of Breast Tumor Microvascular Permeability with Feruglose-enhanced MR Imaging: Initial Phase II Multicenter Trial. <i>Radiology</i> , 2003, 229, 885-892.	3.6	79

#	ARTICLE	IF	CITATIONS
384	Insulin-Mediated Hepatic Glucose Uptake Is Impaired in Type 2 Diabetes: Evidence for a Relationship with Glycemic Control. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 2055-2060.	1.8	73
385	The role of dopamine in cognition. <i>Current Opinion in Neurology</i> , 2003, 16, S37-S41.	1.8	29
386	Dynamic Gadolinium Uptake in Thermally Treated Canine Brain Tissue and Experimental Cerebral Tumors. <i>Investigative Radiology</i> , 2003, 38, 102-107.	3.5	11
387	Persistent vegetative state: evaluation of brain metabolism and brain perfusion with PET and SPECT. <i>Nuclear Medicine Communications</i> , 2003, 24, 643-649.	0.5	49
388	Kinetic Modeling in Positron Emission Tomography. , 2004, , 499-540.		91
389	Molecular Imaging of Enzyme Function in Lungs. <i>Methods in Enzymology</i> , 2004, 385, 315-333.	0.4	4
390	Defective Liver Disposal of Free Fatty Acids in Patients with Impaired Glucose Tolerance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 3496-3502.	1.8	36
391	Presynaptic Dopaminergic Dysfunction in Schizophrenia. <i>Archives of General Psychiatry</i> , 2004, 61, 134.	13.8	214
392	Effect of Training Status on Regional Disposal of Circulating Free Fatty Acids in the Liver and Skeletal Muscle During Physiological Hyperinsulinemia. <i>Diabetes Care</i> , 2004, 27, 2172-2177.	4.3	25
393	Insulin-Stimulated Myocardial Glucose Uptake and the Relation to Perfusion and the Nitric Oxide System. <i>Journal of Vascular Research</i> , 2004, 41, 38-45.	0.6	3
394	Caloric restriction increases neurotrophic factor levels and attenuates neurochemical and behavioral deficits in a primate model of Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 18171-18176.	3.3	334
395	Positron emission tomography with [18F]fluorodeoxyglucose to evaluate neutrophil kinetics during acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 286, L834-L840.	1.3	103
396	Enhancement of insulin-stimulated myocardial glucose uptake in patients with Type 2 diabetes treated with rosiglitazone. <i>Diabetic Medicine</i> , 2004, 21, 1280-1287.	1.2	87
397	Levodopa effect on [18F]fluorodopa influx to brain: normal volunteers and patients with Parkinson's disease. <i>Acta Neurologica Scandinavica</i> , 2004, 110, 188-195.	1.0	29
398	Changes in brain metabolism associated with remission in unipolar major depression. <i>Acta Psychiatrica Scandinavica</i> , 2004, 110, 184-194.	2.2	108
399	Positron emission tomography in molecular imaging. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2004, 23, 28-37.	1.1	12
400	Non-esterified fatty acids impair insulin-mediated glucose uptake and disposition in the liver. <i>Diabetologia</i> , 2004, 47, 1149-1156.	2.9	43
401	Fluorinated tracers for imaging cancer with positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2004, 31, 1182-206.	3.3	116

#	ARTICLE	IF	CITATIONS
402	Comparison of methodologies for the in vivo assessment of 18 FLT utilisation in colorectal cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2004, 31, 169-178.	3.3	67
403	Kinetics of [11 C]choline uptake in prostate cancer: a PET study. European Journal of Nuclear Medicine and Molecular Imaging, 2004, 31, 317-324.	3.3	181
404	Estimating the input function non-invasively for FDG-PET quantification with multiple linear regression analysis: simulation and verification with in vivo data. European Journal of Nuclear Medicine and Molecular Imaging, 2004, 31, 692-702.	3.3	19
405	Effect of acute antipsychotic administration on dopamine synthesis in rodents and human subjects using 6-[18F]-L-m-tyrosine. Synapse, 2004, 52, 153-162.	0.6	11
406	The sensitivity of 18-fluorodopa positron emission tomography and magnetic resonance imaging in Parkinson's disease. European Journal of Neurology, 2004, 11, 5-12.	1.7	57
407	Imaging brain amyloid in Alzheimer's disease with Pittsburgh Compound-B. Annals of Neurology, 2004, 55, 306-319.	2.8	3,777
408	Tracer kinetic parametric imaging in PET. , 0, , .		4
409	First PET Study with a Benzothiazol Amyloidimaging Agent (PIB) in Alzheimer's Disease Patients and Healthy Volunteers. , 2004, , 123-137.		4
410	Neuropsychological functions in variant Alzheimer's disease with spastic paraparesis. Journal of the Neurological Sciences, 2004, 218, 29-37.	0.3	5
411	Positron emission tomography imaging of transplant function. NeuroRx, 2004, 1, 482-491.	6.0	19
412	Positron Emission Tomography of the Heart: Methodology, Findings in the Normal and the Diseased Heart, and Clinical Applications. , 2004, , 389-508.		13
413	PET imaging of implanted human retinal pigment epithelial cells in the MPTP-induced primate model of Parkinson's disease. Experimental Neurology, 2004, 189, 361-368.	2.0	50
414	Functional Recovery in a Primate Model of Parkinson's Disease following Motor Cortex Stimulation. Neuron, 2004, 44, 769-778.	3.8	169
415	Encapsulated GDNF-producing C2C12 cells for Parkinson's disease: a pre-clinical study in chronic MPTP-treated baboons. Neurobiology of Disease, 2004, 16, 428-439.	2.1	87
416	High-resolution magnetic resonance imaging of carotid atherosclerosis. International Congress Series, 2004, 1262, 95-98.	0.2	1
417	Obesity-prone rats have normal blood-brain barrier transport but defective central leptin signaling before obesity onset. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R143-R150.	0.9	226
418	Advanced imaging including PET/CT for cardiothoracic surgery. Seminars in Thoracic and Cardiovascular Surgery, 2004, 16, 272-282.	0.4	2
419	Bootstrapped DEPICT for error estimation in PET functional imaging. NeuroImage, 2004, 21, 1096-1104.	2.1	14

#	ARTICLE	IF	CITATIONS
420	Cognitive- and motor-related regions in Parkinson's disease: FDOPA and FDG PET studies. <i>NeuroImage</i> , 2004, 22, 553-561.	2.1	80
421	A method to quantify the uptake rate of 2-[18F]fluoro-2-deoxy-D-glucose in tissues. <i>Nuclear Medicine Communications</i> , 2004, 25, 851-854.	0.5	11
422	Quantification in clinical fluorodeoxyglucose positron emission tomography. <i>Nuclear Medicine Communications</i> , 2004, 25, 647-650.	0.5	19
423	Positron Emission Tomography Examination of Cerebral Blood Flow and Glucose Metabolism in Young CADASIL Patients. <i>Stroke</i> , 2004, 35, 1063-1067.	1.0	78
424	Assessing anti-cancer treatment by positron emission tomography: primum non nocere. <i>Nuclear Medicine Communications</i> , 2004, 25, 429-432.	0.5	1
425	Uncoupling of flow and metabolism induced by sodium nitroprusside in rat cerebral cortex. <i>NeuroReport</i> , 2004, 15, 141-145.	0.6	6
426	Quantitative Functional Imaging with Positron Emission Tomography: Principles and Instrumentation. , 2005, , 57-116.		1
427	The Effect of the Ala12Allele of the Peroxisome Proliferator-Activated Receptor- β Gene on Skeletal Muscle Glucose Uptake Depends on Obesity: A Positron Emission Tomography Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 4249-4254.	1.8	31
428	PET in LRRK2 mutations: comparison to sporadic Parkinson's disease and evidence for presymptomatic compensation. <i>Brain</i> , 2005, 128, 2777-2785.	3.7	242
430	Dopaminergic neurons generated from monkey embryonic stem cells function in a Parkinson primate model. <i>Journal of Clinical Investigation</i> , 2005, 115, 102-109.	3.9	418
431	Quantitative Evaluation of BBB Permeability after Embolic Stroke in Rat Using MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 583-592.	2.4	63
432	PET Studies of Net Blood-Brain Clearance of FDOPA to Human Brain: Age-Dependent Decline of [18F]Fluorodopamine Storage Capacity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 807-819.	2.4	55
433	A REVIEW OF SMALL ANIMAL IMAGING PLANAR AND PINHOLE SPECT gamma CAMERA IMAGING. <i>Veterinary Radiology and Ultrasound</i> , 2005, 46, 162-170.	0.4	63
434	Automatic extraction of brain surface and mid-sagittal plane from PET images applying deformable models. <i>Computer Methods and Programs in Biomedicine</i> , 2005, 79, 1-17.	2.6	25
435	Genetic linkage of autosomal dominant progressive supranuclear palsy to 1q31.1. <i>Annals of Neurology</i> , 2005, 57, 634-641.	2.8	48
436	Effect of intravascular-to-extravascular water exchange on the determination of blood-to-tissue transfer constant by magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 282-293.	1.9	36
437	Quantitative analysis of myocardial glucose utilization in patients with left ventricular dysfunction by means of 18F-FDG dynamic positron tomography and three-compartment analysis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2005, 32, 806-812.	3.3	19
438	A Computational Positron Emission Tomography Simulation Model for Imaging β -Amyloid in Mice. <i>Molecular Imaging and Biology</i> , 2005, 7, 69-77.	1.3	11

#	ARTICLE	IF	CITATIONS
439	In Vivo Follow-up of Rat Tumor Models with 2-Deoxy-2-[F-18]fluoro-d-glucose/Dual-Head Coincidence Gamma Camera Imaging. <i>Molecular Imaging and Biology</i> , 2005, 7, 220-228.	1.3	3
440	The effect of dynamic knee-extension exercise on patellar tendon and quadriceps femoris muscle glucose uptake in humans studied by positron emission tomography. <i>Journal of Applied Physiology</i> , 2005, 99, 1189-1192.	1.2	37
441	Molecular imaging of lung glucose uptake after endotoxin in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 289, L760-L768.	1.3	43
442	Disease progression continues in patients with advanced Parkinson's disease and effective subthalamic nucleus stimulation. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005, 76, 1217-1221.	0.9	137
444	A New Mutation of the α -Syn Gene, G303V, in Early-Onset Familial Progressive Supranuclear Palsy. <i>Archives of Neurology</i> , 2005, 62, 1444.	4.9	86
445	Correlation of Alcohol Craving With Striatal Dopamine Synthesis Capacity and D2/3 Receptor Availability: A Combined [18F]DOPA and [18F]DMFP PET Study in Detoxified Alcoholic Patients. <i>American Journal of Psychiatry</i> , 2005, 162, 1515-1520.	4.0	253
446	Rosiglitazone Treatment Increases Subcutaneous Adipose Tissue Glucose Uptake in Parallel with Perfusion in Patients with Type 2 Diabetes: A Double-Blind, Randomized Study with Metformin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 6523-6528.	1.8	31
447	Monitoring emergence from coma following severe brain injury in an octogenarian using behavioural indicators, electrophysiological measures and metabolic studies: A demonstration of the potential for good recovery in older adults. <i>Brain Injury</i> , 2005, 19, 729-737.	0.6	12
448	Increased Fat Mass Compensates for Insulin Resistance in Abdominal Obesity and Type 2 Diabetes: A Positron-Emitting Tomography Study. <i>Diabetes</i> , 2005, 54, 2720-2726.	0.3	99
449	Tracer Kinetic Modeling in PET. , 2005, , 127-159.		91
450	Nonlinear Progression of Parkinson Disease as Determined by Serial Positron Emission Tomographic Imaging of Striatal Fluorodopa F 18 Activity. <i>Archives of Neurology</i> , 2005, 62, 378.	4.9	268
451	Single Nucleotide Polymorphisms in the Peroxisome Proliferator-Activated Receptor α Gene Are Associated With Skeletal Muscle Glucose Uptake. <i>Diabetes</i> , 2005, 54, 3587-3591.	0.3	57
452	Lateralisation of striatal function: evidence from 18F-dopa PET in Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005, 76, 1204-1210.	0.9	78
453	Progress and Promise of FDG-PET Imaging for Cancer Patient Management and Oncologic Drug Development. <i>Clinical Cancer Research</i> , 2005, 11, 2785-2808.	3.2	582
454	Aromatic l-amino acid decarboxylase turnover in vivo in rhesus macaque striatum: A microPET study. <i>Brain Research</i> , 2005, 1054, 55-60.	1.1	6
455	Investigation of neural progenitor cell induced angiogenesis after embolic stroke in rat using MRI. <i>NeuroImage</i> , 2005, 28, 698-707.	2.1	151
456	Cell type analysis of functional fetal dopamine cell suspension transplants in the striatum and substantia nigra of patients with Parkinson's disease. <i>Brain</i> , 2005, 128, 1498-1510.	3.7	406
457	Parkinson's disease: in vivo assessment of disease progression using positron emission tomography. <i>Molecular Brain Research</i> , 2005, 134, 24-33.	2.5	43

#	ARTICLE	IF	CITATIONS
458	A method to quantify at late imaging a release rate of 18F-FDG in tissues. <i>Comptes Rendus - Biologies</i> , 2005, 328, 767-772.	0.1	13
459	Cortical 6-[18F]fluoro-l-dopa uptake and frontal cognitive functions in early Parkinson's disease. <i>Neurobiology of Aging</i> , 2005, 26, 891-898.	1.5	112
460	Inhibition of carnitine-acyl transferase I by oxfenicine studied in vivo with [11C]-labeled fatty acids. <i>Nuclear Medicine and Biology</i> , 2005, 32, 495-503.	0.3	9
461	Evidence for reduced arterial plasma input, prolonged lung retention and reduced lung monoamine oxidase in smokers. <i>Nuclear Medicine and Biology</i> , 2005, 32, 521-529.	0.3	10
462	Positron emission tomography and single-photon emission computed tomography in central nervous system drug development. <i>NeuroRx</i> , 2005, 2, 226-236.	6.0	97
463	Role of [18F]-dopa PET imaging in assessing movement disorders. <i>Radiologic Clinics of North America</i> , 2005, 43, 93-106.	0.9	33
464	Direct reconstruction of kinetic parameter images from dynamic PET data. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 636-650.	5.4	215
466	Long-Term Clinical Improvement in MPTP-Lesioned Primates after Gene Therapy with AAV-hAADC. <i>Molecular Therapy</i> , 2006, 14, 564-570.	3.7	249
467	Multi-resolution Bayesian regression in PET dynamic studies using wavelets. <i>NeuroImage</i> , 2006, 32, 111-121.	2.1	38
469	Changes in Glucose Metabolism and Blood Flow Following Chemotherapy for Breast Cancer. <i>PET Clinics</i> , 2006, 1, 71-81.	1.5	18
470	Imaging Pulmonary Inflammation with Positron Emission Tomography: A Biomarker for Drug Development. <i>Molecular Pharmaceutics</i> , 2006, 3, 488-495.	2.3	44
471	Prediction of Arrhythmic Events with Positron Emission Tomography: PAREPET study design and methods. <i>Contemporary Clinical Trials</i> , 2006, 27, 374-388.	0.8	53
472	Feasibility of an SUV normalization to 1 hour after the 18F-FDG injection. <i>Comptes Rendus - Biologies</i> , 2006, 329, 520-526.	0.1	0
473	Age-related decline of dopamine synthesis in the living human brain measured by positron emission tomography with l-[¹² -11C]DOPA. <i>Life Sciences</i> , 2006, 79, 730-736.	2.0	79
474	PET: Metabolism, Innervation and Receptors. , 0, , 99-117.		0
475	Quantitative analysis of dopamine synthesis in human brain using positron emission tomography with L-[¹² -11C]DOPA. <i>Nuclear Medicine Communications</i> , 2006, 27, 723-731.	0.5	29
476	Nitric oxide and prostaglandins influence local skeletal muscle blood flow during exercise in humans: coupling between local substrate uptake and blood flow. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R803-R809.	0.9	23
477	Validation studies on the 5-hydroxy-L-[¹² -11C]-tryptophan/PET method for probing the decarboxylase step in serotonin synthesis. <i>Synapse</i> , 2006, 59, 521-531.	0.6	19

#	ARTICLE	IF	CITATIONS
478	Imaging triiodothyronine binding kinetics in rat brain: A model for studies in human subjects. Synapse, 2006, 60, 212-222.	0.6	10
479	Net influx of plasma 6-[18F]fluoro-l-DOPA (FDOPA) to the ventral striatum correlates with prefrontal processing of affective stimuli. European Journal of Neuroscience, 2006, 24, 305-313.	1.2	48
480	A prospective PET study of patients with glioblastoma multiforme. Acta Neurologica Scandinavica, 2006, 113, 412-418.	1.0	2
481	DETERMINATION OF GLOMERULAR FILTRATION RATE IN DOGS USING CONTRAST-ENHANCED COMPUTED TOMOGRAPHY. Veterinary Radiology and Ultrasound, 2006, 47, 127-135.	0.4	39
482	Model Selection in Magnetic Resonance Imaging Measurements of Vascular Permeability: Gadomer in a 9L Model of Rat Cerebral Tumor. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 310-320.	2.4	119
483	Dopamine Storage Capacity in Caudate and Putamen of Patients with Early Parkinson's Disease: Correlation with Asymmetry of Motor Symptoms. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 358-370.	2.4	44
484	Imaging vascular physiology to monitor cancer treatment. Critical Reviews in Oncology/Hematology, 2006, 58, 95-113.	2.0	53
485	The Effect of Insulin on the Intracellular Distribution of 14(R,S)-[18F]Fluoro-6-thia-heptadecanoic Acid in Rats. Molecular Imaging and Biology, 2006, 8, 237-244.	1.3	43
486	PET kinetic analysisâ€”compartmental model. Annals of Nuclear Medicine, 2006, 20, 583-588.	1.2	164
487	Detection of BBB disruption and hemorrhage by Gd-DTPA enhanced MRI after embolic stroke in rat. Brain Research, 2006, 1114, 195-203.	1.1	27
488	In vivo imaging of microglial activation with [11C](R)-PK11195 PET in idiopathic Parkinson's disease. Neurobiology of Disease, 2006, 21, 404-412.	2.1	982
489	Nigral degeneration and striatal dopaminergic dysfunction in idiopathic and parkin-linked Parkinson's disease. Movement Disorders, 2006, 21, 299-305.	2.2	18
490	Upregulation of dopamine D2 receptors in dopaminergic drug-naive patients with parkin gene mutations. Movement Disorders, 2006, 21, 783-788.	2.2	34
491	Striatal dopa and glucose metabolism in PD patients with freezing of gait. Movement Disorders, 2006, 21, 1326-1332.	2.2	107
492	Spatially Penalized Methods for Linear Parametric Imaging in Dynamic PET. , 2006, , .		2
493	Monte Carlo database production for human brain PET imaging using GATE. , 2006, , .		0
494	Impact of Type 2 Diabetes on Myocardial Insulin Sensitivity to Glucose Uptake and Perfusion in Patients with Coronary Artery Disease. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 4854-4861.	1.8	12
495	Quantifying Pulmonary Inflammation in Cystic Fibrosis with Positron Emission Tomography. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 1363-1369.	2.5	91

#	ARTICLE	IF	CITATIONS
496	Autosomal dominant dystonia-plus with cerebral calcifications. <i>Neurology</i> , 2006, 67, 620-625.	1.5	40
497	Exercise Restores Skeletal Muscle Glucose Delivery But Not Insulin-Mediated Glucose Transport and Phosphorylation in Obese Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 3394-3403.	1.8	14
498	Quantitative Analysis in Nuclear Oncologic Imaging. , 2006, , 494-536.		21
499	FDG-PET imaging of pulmonary inflammation in healthy volunteers after airway instillation of endotoxin. <i>Journal of Applied Physiology</i> , 2006, 100, 1602-1609.	1.2	76
500	Elevated [¹⁸ F]Fluorodopamine Turnover in Brain of Patients with Schizophrenia: An [¹⁸ F]Fluorodopa/Positron Emission Tomography Study. <i>Journal of Neuroscience</i> , 2007, 27, 8080-8087.	1.7	149
501	Molecular imaging studies of the striatal dopaminergic system in psychosis and predictions for the prodromal phase of psychosis. <i>British Journal of Psychiatry</i> , 2007, 191, s13-s18.	1.7	118
502	Positron Emission Tomography and Computed Tomography versus Positron Emission Tomography Computed Tomography: Tools for Imaging the Lung. <i>Proceedings of the American Thoracic Society</i> , 2007, 4, 328-333.	3.5	18
503	Image-Derived Input Function for Assessment of 18F-FDG Uptake by the Inflamed Lung. <i>Journal of Nuclear Medicine</i> , 2007, 48, 1889-1896.	2.8	46
504	Comparison of Mathematic Models for Assessment of Glomerular Filtration Rate with Electron-Beam CT in Pigs. <i>Radiology</i> , 2007, 242, 417-424.	3.6	46
505	Enhanced formation of parametric images using fast regressive GLLS for noisy functional imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 4177-80.	0.5	1
506	Carotid body autotransplantation in Parkinson disease: a clinical and positron emission tomography study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2007, 78, 825-831.	0.9	88
507	Evaluation of Porcine Myocardial Microvascular Permeability and Fractional Vascular Volume Using 64-Slice Helical Computed Tomography (CT). <i>Investigative Radiology</i> , 2007, 42, 274-282.	3.5	37
508	Simplifications in analyzing positron emission tomography data: effects on outcome measures. <i>Nuclear Medicine and Biology</i> , 2007, 34, 743-756.	0.3	12
509	The Aging of the Heart and Blood Vessels: A Consideration of Anatomy and Physiology in the Era of Computed Tomography, Magnetic Resonance Imaging, and Positron Emission Tomographic Imaging Methods With Special Consideration of Atherogenesis. <i>Seminars in Nuclear Medicine</i> , 2007, 37, 120-143.	2.5	6
510	FLT: Measuring Tumor Cell Proliferation In Vivo With Positron Emission Tomography and 3-Deoxy-3-[18F]Fluorothymidine. <i>Seminars in Nuclear Medicine</i> , 2007, 37, 429-439.	2.5	139
512	P.1.e.025 Altered white matter tracts in subjects at high genetic risk of schizophrenia by diffusion tensor tractography. <i>European Neuropsychopharmacology</i> , 2007, 17, S295.	0.3	0
514	Convergence properties of algorithms for direct parametric estimation of linear models in dynamic PET. , 2007, , .		11
515	Early detection of Parkinson's disease. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2007, 83, 457-477.	1.0	1

#	ARTICLE	IF	CITATIONS
516	MAXIMUM A POSTERIORI RECONSTRUCTION OF PATLAK PARAMETRIC IMAGE FROM SINOGRAMS IN DYNAMIC PET. , 2007, , .		1
517	Genetic Algorithms for Finite Mixture Model Based Voxel Classification in Neuroimaging. IEEE Transactions on Medical Imaging, 2007, 26, 696-711.	5.4	87
518	18F-FDOPA Kinetics in Brain Tumors. Journal of Nuclear Medicine, 2007, 48, 1651-1661.	2.8	117
519	Morphometric fingerprint of asymptomatic <i>Parkin</i> and <i>PINK1</i> mutation carriers in the basal ganglia. Neurology, 2007, 69, 842-850.	1.5	66
520	Omission of serial arterial blood sampling for quantitative analysis of monkey PET data using independent component analysis-based method. , 2007, , .		3
521	Cutting-Edge Brain Imaging with Positron Emission Tomography. Neuroimaging Clinics of North America, 2007, 17, 427-440.	0.5	7
522	Cutting-Edge Brain Imaging with Positron Emission Tomography. PET Clinics, 2007, 2, 91-104.	1.5	3
523	Evidence for astrocytosis in ALS demonstrated by [11C](l)-deprenyl-D2 PET. Journal of the Neurological Sciences, 2007, 255, 17-22.	0.3	124
524	Quantification of Liver Glucose Metabolism by Positron Emission Tomography: Validation Study in Pigs. Gastroenterology, 2007, 132, 531-542.	0.6	61
525	Symptom Provocation in Specific Phobia Affects the Substance P Neurokinin-1 Receptor System. Biological Psychiatry, 2007, 61, 1002-1006.	0.7	60
526	Striatal delivery of CERE-120, an AAV2 vector encoding human neurturin, enhances activity of the dopaminergic nigrostriatal system in aged monkeys. Movement Disorders, 2007, 22, 1124-1132.	2.2	126
527	Quantification in emission tomography: Challenges, solutions, and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 571, 10-13.	0.7	11
528	Myocardial perfusion, oxidative metabolism, and free fatty acid uptake in patients with hypertrophic cardiomyopathy attributable to the Asp175Asn mutation in the β -tropomyosin gene: A positron emission tomography study. Journal of Nuclear Cardiology, 2007, 14, 354-365.	1.4	35
529	Progressive changes of pre- and post-synaptic dopaminergic biomarkers in conscious MPTP-treated cynomolgus monkeys measured by positron emission tomography. Synapse, 2007, 61, 809-819.	0.6	25
530	Increased physical activity decreases hepatic free fatty acid uptake: a study in human monozygotic twins. Journal of Physiology, 2007, 578, 347-358.	1.3	50
531	Do carriers of POLG mutation W748S have disease manifestations?. Clinical Genetics, 2007, 72, 532-537.	1.0	8
532	Dopaminergic function in depressed patients with affective flattening or with impulsivity: [18F]Fluoro-l-dopa positron emission tomography study with voxel-based analysis. Psychiatry Research - Neuroimaging, 2007, 154, 115-124.	0.9	37
533	Real-Time Volume Rendering Visualization of Dual-Modality PET/CT Images With Interactive Fuzzy Thresholding Segmentation. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 161-169.	3.6	31

#	ARTICLE	IF	CITATIONS
534	Evaluation of iterative reconstruction (OSEM) versus filtered back-projection for the assessment of myocardial glucose uptake and myocardial perfusion using dynamic PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 320-329.	3.3	26
535	Characterization of dopaminergic dysfunction in familial progressive supranuclear palsy: an 18F-dopa PET study. <i>Journal of Neural Transmission</i> , 2007, 114, 337-340.	1.4	11
536	Mapping of central dopamine synthesis in man, using positron emission tomography with l-[¹² -11C]DOPA. <i>Annals of Nuclear Medicine</i> , 2007, 21, 355-360.	1.2	15
537	SPECT evaluation of cerebral blood flow during arm exercise in patients with subclavian steal. <i>Annals of Nuclear Medicine</i> , 2007, 21, 463-470.	1.2	7
538	Modeling systemic and renal gadolinium chelate transport with MRI. <i>Pediatric Radiology</i> , 2008, 38, 28-34.	1.1	6
539	Ratio of dopamine synthesis capacity to D2 receptor availability in ventral striatum correlates with central processing of affective stimuli. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 1147-1158.	3.3	18
540	PET kinetic analysis: error consideration of quantitative analysis in dynamic studies. <i>Annals of Nuclear Medicine</i> , 2008, 22, 1-11.	1.2	28
541	Dynamic contrast-enhanced quantitative perfusion measurement of the brain using ¹ T-weighted MRI at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 754-762.	1.9	71
542	MRI measurement of change in vascular parameters in the 9L rat cerebral tumor after dexamethasone administration. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 1430-1438.	1.9	22
543	Cognitive reserve hypothesis: Pittsburgh Compound B and fluorodeoxyglucose positron emission tomography in relation to education in mild Alzheimer's disease. <i>Annals of Neurology</i> , 2008, 63, 112-118.	2.8	223
544	Effect of phenserine treatment on brain functional activity and amyloid in Alzheimer's disease. <i>Annals of Neurology</i> , 2008, 63, 621-631.	2.8	124
545	Noninvasive Quantification of Local Cerebral Metabolic Rate of Glucose for Clinical Application Using Positron Emission Tomography and ¹⁸ F-Fluoro-2-Deoxy- ¹⁴ C-Glucose. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 242-250.	2.4	21
546	Reduced Cerebral Fluoro- ¹⁸ F-Dopamine Uptake in Adult Patients Suffering from Phenylketonuria. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 824-831.	2.4	59
547	Sensory Processing Disorder in a Primate Model: Evidence From a Longitudinal Study of Prenatal Alcohol and Prenatal Stress Effects. <i>Child Development</i> , 2008, 79, 100-113.	1.7	54
548	A novel blood-cell-two-compartment model for transferring a whole blood time activity curve to plasma in rodents. <i>Computer Methods and Programs in Biomedicine</i> , 2008, 92, 299-304.	2.6	5
549	Pre- and post-synaptic dopamine imaging and its relation with frontostriatal cognitive function in Parkinson disease: PET studies with [¹¹ C]NNC 112 and [¹⁸ F]FDOPA. <i>Psychiatry Research - Neuroimaging</i> , 2008, 163, 171-182.	0.9	102
550	Relationship of Striatal Dopamine Synthesis Capacity to Age and Cognition. <i>Journal of Neuroscience</i> , 2008, 28, 14320-14328.	1.7	87
551	Role of FDG PET in the management of childhood lymphomas – case proven or is the jury still out?. <i>European Journal of Cancer</i> , 2008, 44, 663-673.	1.3	37

#	ARTICLE	IF	CITATIONS
552	Dopaminergic dysfunction in attention deficit hyperactivity disorder (ADHD), differences between pharmacologically treated and never treated young adults: A 3,4-dihydroxy-6-[18F]fluorophenyl-L-alanine PET study. <i>NeuroImage</i> , 2008, 41, 718-727.	2.1	73
553	A universal graphical analysis for the simultaneous evaluation of both uptake rate constants and equilibrium distribution volumes. <i>NeuroImage</i> , 2008, 41, T24.	2.1	1
554	Modeling Pulmonary Kinetics of 2-Deoxy-2-[18F]fluoro-D-glucose During Acute Lung Injury. <i>Academic Radiology</i> , 2008, 15, 763-775.	1.3	51
555	Variables Involved in Measuring Cancer Response to Treatment. <i>PET Clinics</i> , 2008, 3, 13-36.	1.5	0
556	Maximum a posteriori reconstruction of the Patlak parametric image from sinograms in dynamic PET. <i>Physics in Medicine and Biology</i> , 2008, 53, 593-604.	1.6	76
557	Prenatal Stress Influences on Neurobehavior, Stress Reactivity, and Dopaminergic Function in Rhesus Macaques. , 2008, , 231-258.		5
558	Time Course of Alterations in Myocardial Glucose Utilization in the Zucker Diabetic Fatty Rat with Correlation to Gene Expression of Glucose Transporters: A Small-Animal PET Investigation. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1320-1327.	2.8	62
559	Dynamic Perfusion CT Assessment of the Blood-Brain Barrier Permeability: First Pass versus Delayed Acquisition. <i>American Journal of Neuroradiology</i> , 2008, 29, 1671-1676.	1.2	54
560	Cerebral Glucose Metabolism in Dizygotic Twin Pairs Discordant for Alzheimer's Disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2008, 25, 9-16.	0.7	7
561	Accuracy and Anatomical Coverage of Perfusion CT Assessment of the Blood-Brain Barrier Permeability: One Bolus versus Two Boluses. <i>Cerebrovascular Diseases</i> , 2008, 26, 600-605.	0.8	12
562	1-11C-Acetate Kinetics of Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2008, 49, 206-215.	2.8	64
563	Imaging of opioid receptors in the central nervous system. <i>Brain</i> , 2008, 131, 1171-1196.	3.7	179
564	Accelerate direct reconstruction of linear parametric images using nested algorithms. , 2008, , .		1
565	Study of direct and indirect parametric estimation methods of linear models in dynamic positron emission tomography. <i>Medical Physics</i> , 2008, 35, 1299-1309.	1.6	91
566	Differences in $\hat{\nu}$ - and $\hat{\nu}/4$ -Opioid Receptor Blockade Measured by Positron Emission Tomography in Naltrexone-Treated Recently Abstinent Alcohol-Dependent Subjects. <i>Neuropsychopharmacology</i> , 2008, 33, 653-665.	2.8	133
567	The lowering of hepatic fatty acid uptake improves liver function and insulin sensitivity without affecting hepatic fat content in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 295, E413-E419.	1.8	38
568	Working Memory Capacity Predicts Dopamine Synthesis Capacity in the Human Striatum. <i>Journal of Neuroscience</i> , 2008, 28, 1208-1212.	1.7	264
569	Long-Term Precision of ¹⁸ F-Fluoride PET Skeletal Kinetic Studies in the Assessment of Bone Metabolism. <i>Journal of Nuclear Medicine</i> , 2008, 49, 700-707.	2.8	62

#	ARTICLE	IF	CITATIONS
570	Molecular Imaging of Transporters with Positron Emission Tomography. Topics in Medicinal Chemistry, 2008, , 155-186.	0.4	1
571	Results from a phase I safety trial of <i>hAADC</i> gene therapy for Parkinson disease. Neurology, 2008, 70, 1980-1983.	1.5	337
572	Comparison of Tumor Volumes Derived from Glucose Metabolic Rate Maps and SUV Maps in Dynamic ¹⁸ F-FDG PET. Journal of Nuclear Medicine, 2008, 49, 892-898.	2.8	51
573	Glioma Proliferation as Assessed by ³ â€-Fluoro-3â€™-Deoxy- ¹ -Thymidine Positron Emission Tomography in Patients with Newly Diagnosed High-Grade Glioma. Clinical Cancer Research, 2008, 14, 2049-2055.	3.2	129
574	Pancreatic Glucose Uptake in Vivoin Men with Newly Diagnosed Type 1 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 1909-1914.	1.8	8
575	Progression of dopaminergic dysfunction in a <i>LRRK2</i> kindred. Neurology, 2008, 71, 1790-1795.	1.5	112
576	Direct 4D reconstruction of parametric images incorporating anato-functional joint entropy. , 2008, , .		5
577	Quantification of Regional Myocardial Blood Flow Using First-Pass Multidetector-Row Computed Tomography and Adenosine Triphosphate in Coronary Artery Disease. Circulation Journal, 2008, 72, 1086-1091.	0.7	49
578	PET 6-[18F]fluoro-L-m-tyrosine studies of dopaminergic function in human and nonhuman primates. Frontiers in Human Neuroscience, 2008, 1, 9.	1.0	14
580	Direct estimation of patlak parameters from list mode PET data. , 2009, , .		5
581	Striatal Dopamine Predicts Outcome-Specific Reversal Learning and Its Sensitivity to Dopaminergic Drug Administration. Journal of Neuroscience, 2009, 29, 1538-1543.	1.7	315
582	Effects of the Antipsychotic Risperidone on Dopamine Synthesis in Human Brain Measured by Positron Emission Tomography with I- ¹² - ¹¹ C]DOPA: A Stabilizing Effect for Dopaminergic Neurotransmission?. Journal of Neuroscience, 2009, 29, 13730-13734.	1.7	37
583	PET Studies of Cerebral Levodopa Metabolism: A Review of Clinical Findings and Modeling Approaches. Neuroscientist, 2009, 15, 635-650.	2.6	115
584	In Vivo Metabolic Phenotyping of Myocardial Substrate Metabolism in Rodents. Circulation: Cardiovascular Imaging, 2009, 2, 373-381.	1.3	30
585	Simple Ratio Analysis of ¹⁸ F-Fluorodopa Uptake in Striatal Subregions Separates Patients with Early Parkinson Disease from Healthy Controls. Journal of Nuclear Medicine, 2009, 50, 893-899.	2.8	68
586	A Multitracer Dopaminergic PET Study of Young-Onset Parkinsonian Patients With and Without Parkin Gene Mutations. Journal of Nuclear Medicine, 2009, 50, 1244-1250.	2.8	37
587	[11C]Choline Positron Emission Tomography in Estrogen Receptorâ€“Positive Breast Cancer. Clinical Cancer Research, 2009, 15, 5503-5510.	3.2	48
588	Comparison of Methods for Magnetic Resonance-Guided [18-F]Fluorodeoxyglucose Positron Emission Tomography in Human Carotid Arteries. Stroke, 2009, 40, 86-93.	1.0	154

#	ARTICLE	IF	CITATIONS
589	[18F]Fluorodeoxyglucose Positron Emission Tomography for Lung Antiinflammatory Response Evaluation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 533-539.	2.5	57
590	In Vivo Assessment of Myocardial Glucose Uptake by Positron Emission Tomography in Adults With the <i>PRKAG2</i> Cardiac Syndrome. <i>Circulation: Cardiovascular Imaging</i> , 2009, 2, 485-491.	1.3	15
591	Effect of Weight Loss on Liver Free Fatty Acid Uptake and Hepatic Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 50-55.	1.8	102
592	Principal component analysis with pre-normalization improves the signal-to-noise ratio and image quality in positron emission tomography studies of amyloid deposits in Alzheimer's disease. <i>Physics in Medicine and Biology</i> , 2009, 54, 3595-3612.	1.6	11
593	Voxel-based analysis of cerebral glucose metabolism in mono- and dizygotic twins discordant for Alzheimer disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2009, 80, 259-266.	0.9	11
594	Quantification of Cerebral Glucose Metabolic Rate in Mice Using ¹⁸ F-FDG and Small-Animal PET. <i>Journal of Nuclear Medicine</i> , 2009, 50, 966-973.	2.8	40
595	Longitudinal progression of sporadic Parkinson's disease: a multi-tracer positron emission tomography study. <i>Brain</i> , 2009, 132, 2970-2979.	3.7	223
596	Is the Physical Decay Correction of the 18F-FDG Input Function in Dynamic PET Imaging Justified?. <i>Journal of Nuclear Medicine Technology</i> , 2009, 37, 111-113.	0.4	5
597	Striatal Dopamine and Working Memory. <i>Cerebral Cortex</i> , 2009, 19, 445-454.	1.6	251
598	Pioglitazone Improves Cardiac Function and Alters Myocardial Substrate Metabolism Without Affecting Cardiac Triglyceride Accumulation and High-Energy Phosphate Metabolism in Patients With Well-Controlled Type 2 Diabetes Mellitus. <i>Circulation</i> , 2009, 119, 2069-2077.	1.6	210
599	Integration of Infarct Size, Tissue Perfusion, and Metabolism by Hybrid Cardiac Positron Emission Tomography/Computed Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2009, 2, 299-305.	1.3	52
600	The Pro12Ala polymorphism of the PPAR γ 3 gene is associated with hepatic glucose uptake during hyperinsulinemia in subjects with type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2009, 58, 541-546.	1.5	8
601	Lesion Detection in Dynamic FDG-PET Using Matched Subspace Detection. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 230-240.	5.4	20
602	Controlling Familywise Error Rate for Matched Subspace Detection in Dynamic FDG PET. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1623-1631.	5.4	2
603	Constructing Reliable Parametric Images Using Enhanced GLLS for Dynamic SPECT. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 1117-1126.	2.5	6
604	Hypersensitivity of cortical muscarinic receptors in Parkinson's disease demonstrated by PET. <i>Acta Neurologica Scandinavica</i> , 1995, 91, 437-443.	1.0	27
605	Secondary Parkinsonism due to focal substantia nigra lesions: a PET study with [18F]FDG and [18F]Fluorodopa. <i>Acta Neurologica Scandinavica</i> , 1996, 93, 387-392.	1.0	28
606	A follow-up study on ¹⁸ F-fluoro-L-dopa uptake in early Parkinson's disease shows nonlinear progression in the putamen. <i>Movement Disorders</i> , 2009, 24, 1009-1015.	2.2	73

#	ARTICLE	IF	CITATIONS
607	Measurement of brain perfusion, blood volume, and blood-brain barrier permeability, using dynamic contrast-enhanced T ₁ -weighted MRI at 3 tesla. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1270-1281.	1.9	185
608	NCI-Sponsored Trial for the Evaluation of Safety and Preliminary Efficacy of 3-Deoxy-3-[¹⁸ F]fluorothymidine (FLT) as a Marker of Proliferation in Patients with Recurrent Gliomas: Preliminary Efficacy Studies. <i>Molecular Imaging and Biology</i> , 2009, 11, 343-355.	1.3	60
609	Positron emission tomographic measure of brain dopamine dependence to nicotine as a model of drugs of abuse. <i>Psychopharmacology</i> , 2009, 204, 149-153.	1.5	9
610	Non-invasive estimation of hepatic glucose uptake from [¹⁸ F]FDG PET images using tissue-derived input functions. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 2014-2026.	3.3	23
612	Decrease of Nicotinic Receptors in the Nigrostriatal System in Parkinson's Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 1601-1608.	2.4	52
613	Post-ischemic leakiness of the blood-brain barrier: A quantitative and systematic assessment by Patlak plots. <i>Experimental Neurology</i> , 2009, 219, 328-333.	2.0	57
614	Phenylketonuria: High plasma phenylalanine decreases cerebral protein synthesis. <i>Molecular Genetics and Metabolism</i> , 2009, 96, 177-182.	0.5	77
615	Cinématiques de la fixation du 18F-FDG dans les structures cérébrales: faisabilité et résultats préliminaires. <i>Medecine Nucleaire</i> , 2009, 33, 69-77.	0.2	1
616	Imagerie moléculaire du transporteur vésiculaire de l'acétylcholine (VACh) par le [¹²³ I]-5-iodobenzovazamicol dans la démence de type Alzheimer (DTA). <i>Medecine Nucleaire</i> , 2009, 33, 338-351.	0.2	0
617	Regional dopamine synthesis in patients with schizophrenia using L-[¹¹ C]DOPA PET. <i>Schizophrenia Research</i> , 2009, 108, 78-84.	1.1	76
618	Pharmacokinetics and Modeling. , 2009, , 205-214.		2
619	Quantitative analysis of CT-perfusion parameters in the evaluation of brain gliomas and metastases. <i>Journal of Experimental and Clinical Cancer Research</i> , 2009, 28, 38.	3.5	12
620	Reducing the noise effects in Logan graphic analysis for PET receptor measurements. , 2009, , .		1
621	A consistent and efficient graphical analysis method to improve the quantification of reversible tracer binding in radioligand receptor dynamic PET studies. <i>NeuroImage</i> , 2009, 44, 661-670.	2.1	51
622	New MRI, 18F-DOPA and 11C-(+)-[±]-dihydrotrabenazine templates for Macaca fascicularis neuroimaging: Advantages to improve PET quantification. <i>NeuroImage</i> , 2009, 47, 533-539.	2.1	24
623	Strategies for the generation of parametric images of [¹¹ C]PIB with plasma input functions considering discriminations and reproducibility. <i>NeuroImage</i> , 2009, 48, 329-338.	2.1	23
626	P.3.a.034 A short term pilot group for patients with co-occurring psychosis in partial remission and substance use disorders. <i>European Neuropsychopharmacology</i> , 2009, 19, S499-S500.	0.3	0
627	Age- and anatomy-related values of blood-brain barrier permeability measured by perfusion-CT in non-stroke patients. <i>Journal of Neuroradiology</i> , 2009, 36, 219-227.	0.6	23

#	ARTICLE	IF	CITATIONS
628	Cardiac Positron Emission Tomography: Current Clinical Practice. <i>Cardiology Clinics</i> , 2009, 27, 237-255.	0.9	21
629	Relative Recirculation. <i>Investigative Radiology</i> , 2009, 44, 662-668.	3.5	34
630	Molecular PET and PET/CT imaging of tumour cell proliferation using F-18 fluoro-L-thymidine: a comprehensive evaluation. <i>Nuclear Medicine Communications</i> , 2009, 30, 908-917.	0.5	93
631	Optimal Duration of Acquisition for Dynamic Perfusion CT Assessment of Blood-Brain Barrier Permeability Using the Patlak Model. <i>American Journal of Neuroradiology</i> , 2009, 30, 1366-1370.	1.2	36
633	Dynamic 18F-Fluoride PET Quantitative Analysis of Bone Grafts. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 276-280.	0.4	0
635	A study of non-invasive Patlak quantification for experimental whole-body dynamic FDG-PET studies of mice. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 216-221.	0.4	0
636	Mechanisms of insulin resistance assessed by dynamic in-vivo positron emission tomography imaging. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2009, 12, 508-512.	1.3	4
637	Muscle use during double poling evaluated by positron emission tomography. <i>Journal of Applied Physiology</i> , 2010, 109, 1895-1903.	1.2	46
638	Paired stereoisomer model for quantifying receptor concentration <i>in vivo</i> . <i>Medical Physics</i> , 2010, 37, 1796-1806.	1.6	0
639	Dynamic single photon emission computed tomography—basic principles and cardiac applications. <i>Physics in Medicine and Biology</i> , 2010, 55, R111-R191.	1.6	97
640	Imaging chronic renal disease and renal transplant in children. <i>Pediatric Radiology</i> , 2010, 40, 963-974.	1.1	5
641	FDG-PET can distinguish inflamed from non-inflamed plaque in an animal model of atherosclerosis. <i>International Journal of Cardiovascular Imaging</i> , 2010, 26, 41-48.	0.7	49
642	Volume-Normalized Uptake Rates with Robust Transportability from PET Dual-time and Patlak Analyses. <i>Molecular Imaging and Biology</i> , 2010, 12, 479-487.	1.3	0
643	Ventromedial prefrontal neurokinin 1 receptor availability is reduced in chronic pain. <i>Pain</i> , 2010, 149, 64-70.	2.0	24
645	Advanced Carotid Plaque Imaging. <i>European Journal of Vascular and Endovascular Surgery</i> , 2010, 39, 125-133.	0.8	62
646	Multimodality molecular imaging of the lung. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 1409-1420.	1.9	17
647	Dopamine turnover increases in asymptomatic <i>LRRK2</i> mutations carriers. <i>Movement Disorders</i> , 2010, 25, 2717-2723.	2.2	103
648	A comparison of tracer kinetic models for T_1 -weighted dynamic contrast-enhanced MRI: Application in carcinoma of the cervix. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 691-700.	1.9	92

#	ARTICLE	IF	CITATIONS
649	The MRI-measured arterial input function resulting from a bolus injection of Gd-DTPA in a rat model of stroke slightly underestimates that of Gd- ¹⁴ C-DTPA and marginally overestimates the blood-to-brain influx rate constant determined by Patlak plots. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1502-1509.	1.9	30
650	Higher Free Fatty Acid Uptake in Visceral Than in Abdominal Subcutaneous Fat Tissue in Men. <i>Obesity</i> , 2010, 18, 261-265.	1.5	44
651	Measuring Drug Occupancy in the Absence of a Reference Region: The Lassen Plot Re-Visited. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 46-50.	2.4	231
652	Chronic repetitive transcranial magnetic stimulation failed to change dopamine synthesis rate: Preliminary [¹²³ I]-DOPA positron emission tomography study in patients with depression. <i>Psychiatry and Clinical Neurosciences</i> , 2010, 64, 659-662.	1.0	19
653	Mild Endotoxemia during Mechanical Ventilation Produces Spatially Heterogeneous Pulmonary Neutrophilic Inflammation in Sheep. <i>Anesthesiology</i> , 2010, 112, 658-669.	1.3	64
654	Overeating Behavior and Striatal Dopamine with 6-Fluoro-L-Tyrosine PET. <i>Journal of Obesity</i> , 2010, 1-6.	1.1	71
655	Progression of subtle motor signs in <i>PINK1</i> mutation carriers with mild dopaminergic deficit. <i>Neurology</i> , 2010, 74, 1798-1805.	1.5	60
656	Reproducibility of [¹¹ C]Choline-Positron Emission Tomography and Effect of Trastuzumab. <i>Clinical Cancer Research</i> , 2010, 16, 4236-4245.	3.2	52
657	Positron Emission Tomography in Schizophrenia: A New Perspective. <i>Journal of Nuclear Medicine</i> , 2010, 51, 511-520.	2.8	55
658	Abnormal in vivo myocardial energy substrate uptake in diet-induced type 2 diabetic cardiomyopathy in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E1049-E1057.	1.8	82
659	Direct 4D reconstruction of parametric images incorporating anato-functional joint entropy. <i>Physics in Medicine and Biology</i> , 2010, 55, 4261-4272.	1.6	47
660	Myocardial Structural, Perfusion, and Metabolic Correlates of Left Bundle Branch Block Mechanical Derangement in Patients With Dilated Cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 482-490.	1.3	46
661	Neurotransmitter changes in dementia with Lewy bodies and Parkinson disease dementia in vivo. <i>Neurology</i> , 2010, 74, 885-892.	1.5	299
662	Kinetic Model Analysis for Absorbed Dose Calculation Applied to Brain in [¹⁸ F]-Fluorodeoxyglucose Positron Emission Tomography Imaging. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2010, 25, 665-669.	0.7	8
663	Cocaine is pharmacologically active in the nonhuman primate fetal brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1582-1587.	3.3	19
664	A proposal and evaluation of spatio-temporal reconstruction method based on DRAMA. , 2010, , .		1
665	Increased Blood-Brain Barrier Permeability on Perfusion CT Might Predict Malignant Middle Cerebral Artery Infarction. <i>Stroke</i> , 2010, 41, 2539-2544.	1.0	74
666	Perfusion measurements by micro-CT using prior image constrained compressed sensing (PICCS): initial phantom results. <i>Physics in Medicine and Biology</i> , 2010, 55, 2333-2350.	1.6	44

#	ARTICLE	IF	CITATIONS
667	Age-dependent decline of steady state dopamine storage capacity of human brain: An FDOPA PET study. <i>Neurobiology of Aging</i> , 2010, 31, 447-463.	1.5	47
668	Evaluation of [11C]-DAA1106 for imaging and quantification of neuroinflammation in a rat model of herpes encephalitis. <i>Nuclear Medicine and Biology</i> , 2010, 37, 9-15.	0.3	27
669	Regional myocardial blood flow measured by stress multidetector computed tomography as a predictor of recovery of left ventricular function after coronary artery bypass grafting. <i>American Heart Journal</i> , 2010, 160, 528-534.	1.2	15
670	Development of the 2nd generation neurokinin-1 receptor antagonist LY686017 for social anxiety disorder. <i>European Neuropsychopharmacology</i> , 2010, 20, 80-87.	0.3	46
671	A new graphic plot analysis for determination of neuroreceptor binding in positron emission tomography studies. <i>NeuroImage</i> , 2010, 49, 578-586.	2.1	8
672	Multi-graphical analysis of dynamic PET. <i>NeuroImage</i> , 2010, 49, 2947-2957.	2.1	47
673	Elevated [18F]FDOPA utilization in the periaqueductal gray and medial nucleus accumbens of patients with early Parkinson's disease. <i>NeuroImage</i> , 2010, 49, 2933-2939.	2.1	28
674	The test-retest reliability of 18F-DOPA PET in assessing striatal and extrastriatal presynaptic dopaminergic function. <i>NeuroImage</i> , 2010, 50, 524-531.	2.1	121
675	Acceleration of the direct reconstruction of linear parametric images using nested algorithms. <i>Physics in Medicine and Biology</i> , 2010, 55, 1505-1517.	1.6	81
676	Technical aspects of amyloid imaging for Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2011, 3, 25.	3.0	8
677	Survival of Human Induced Pluripotent Stem Cell-Derived Midbrain Dopaminergic Neurons in the Brain of a Primate Model of Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2011, 1, 395-412.	1.5	110
678	Measuring Permeability in Acute Ischemic Stroke. <i>Neuroimaging Clinics of North America</i> , 2011, 21, 315-325.	0.5	26
679	Lung imaging in asthmatic patients: The picture is clearer. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 128, 467-478.	1.5	94
680	Quantitative myocardial CT perfusion: a pictorial review and the current state of technology development. <i>Journal of Cardiovascular Computed Tomography</i> , 2011, 5, 467-481.	0.7	32
681	Different Metabolic Responses of Human Brown Adipose Tissue to Activation by Cold and Insulin. <i>Cell Metabolism</i> , 2011, 14, 272-279.	7.2	609
682	Differential glucose uptake in quadriceps and other leg muscles during one-legged dynamic submaximal knee-extension exercise. <i>Frontiers in Physiology</i> , 2011, 2, 75.	1.3	13
683	Delay Correction for the Assessment of Blood-Brain Barrier Permeability Using First-Pass Dynamic Perfusion CT. <i>American Journal of Neuroradiology</i> , 2011, 32, E134-E138.	1.2	11
684	Performance evaluation of kinetic parameter estimation methods in dynamic FDG-PET studies. <i>Nuclear Medicine Communications</i> , 2011, 32, 4-16.	0.5	14

#	ARTICLE	IF	CITATIONS
685	Brown adipose tissue in humans. <i>Current Opinion in Lipidology</i> , 2011, 22, 49-54.	1.2	40
686	Validation of In Vivo Magnetic Resonance Imaging Bloodâ€“Brain Barrier Permeability Measurements by Comparison With Gold Standard Histology. <i>Stroke</i> , 2011, 42, 2054-2060.	1.0	28
687	A Hybrid Clustering Method for ROI Delineation in Small-Animal Dynamic PET Images: Application to the Automatic Estimation of FDG Input Functions. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2011, 15, 195-205.	3.6	8
688	Measurement of metabolic tumor volume: static versus dynamic FDG scans. <i>EJNMMI Research</i> , 2011, 1, 35.	1.1	24
689	Influence of dietary state and insulin on myocardial, skeletal muscle and brain [18F]-fluorodeoxyglucose kinetics in mice. <i>EJNMMI Research</i> , 2011, 1, 8.	1.1	40
690	Increased neurokinin-1 receptor availability in temporal lobe epilepsy: A positron emission tomography study using [11C]GR205171. <i>Epilepsy Research</i> , 2011, 97, 183-189.	0.8	9
691	Brain glucose transporter (Glut3) haploinsufficiency does not impair mouse brain glucose uptake. <i>Brain Research</i> , 2011, 1384, 15-22.	1.1	40
692	Feasibility of Assessing [18F]FDG Lung Metabolism with Late Dynamic PET Imaging. <i>Molecular Imaging and Biology</i> , 2011, 13, 378-384.	1.3	14
693	Extraction of Input Function from Rat [18F]FDG PET Images. <i>Molecular Imaging and Biology</i> , 2011, 13, 1241-1249.	1.3	7
694	Parametric images via dynamic 18F-fluorodeoxyglucose positron emission tomographic data acquisition in predicting midterm outcome of liver metastases secondary to gastrointestinal stromal tumours. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1212-1223.	3.3	13
695	Comparison of dopamine turnover, dopamine influx constant and activity ratio of striatum and occipital brain with 18F-dopa brain PET in normal controls and patients with Parkinsonâ€™s disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1550-1559.	3.3	20
696	A longitudinal study of motor performance and striatal [18F]fluorodopa uptake in Parkinsonâ€™s disease. <i>Brain Imaging and Behavior</i> , 2011, 5, 203-211.	1.1	12
697	Association of plasma osteoprotegerin and adiponectin with arterial function, cardiac function and metabolism in asymptomatic type 2 diabetic men. <i>Cardiovascular Diabetology</i> , 2011, 10, 67.	2.7	28
698	Sensitivity of kinetic macro parameters to changes in dopamine synthesis, storage, and metabolism: A simulation study for [¹⁸ F]FDOPA PET by a model with detailed dopamine pathway. <i>Synapse</i> , 2011, 65, 751-762.	0.6	10
699	Rate of 6â€“[18F]fluorodopa uptake decline in striatal subregions in Parkinson's disease. <i>Movement Disorders</i> , 2011, 26, 614-620.	2.2	23
700	A withinâ€“subject comparison of 6â€“[18F]fluoroâ€“tyrosine and 6â€“[18F]fluoroâ€“L-dopa in Parkinson's disease. <i>Movement Disorders</i> , 2011, 26, 2032-2038.	2.2	13
701	Quantitative measurement of bloodâ€“brain barrier permeability in human using dynamic contrastâ€“enhanced MRI with fast T ₁ mapping. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1036-1042.	1.9	86
702	Modeling of Lookâ€“Locker estimates of the magnetic resonance imaging estimate of longitudinal relaxation rate in tissue after contrast administration. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1432-1444.	1.9	16

#	ARTICLE	IF	CITATIONS
703	The concordance of MRI and quantitative autoradiography estimates of the transvascular transfer rate constant of albumin in a rat brain tumor model. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1422-1431.	1.9	8
704	MRI and quantitative autoradiographic studies following bolus injections of unlabeled and ¹⁴ C-labeled gadolinium-diethylenetriaminepentaacetic acid in a rat model of stroke yield similar distribution volumes and blood-brain influx rate constants. <i>NMR in Biomedicine</i> , 2011, 24, 547-558.	1.6	16
705	Correlations of striatal dopamine synthesis with default network deactivations during working memory in younger adults. <i>Human Brain Mapping</i> , 2011, 32, 947-961.	1.9	50
706	Convergence optimization of parametric MLEM reconstruction for estimation of Patlak plot parameters. <i>Computerized Medical Imaging and Graphics</i> , 2011, 35, 407-416.	3.5	14
707	Early changes measured by CT perfusion imaging in tumor microcirculation following radiosurgery in rat C6 brain gliomas. <i>Journal of Neurosurgery</i> , 2011, 114, 1672-1680.	0.9	9
708	Dynamic Multi-Bed FDG PET imaging: Feasibility and optimization. , 2011, , .		28
709	A nonlocal averaging technique for kinetic parameter estimation from dynamic PET data. , 2011, , .		1
710	Simultaneous water activation and glucose metabolic rate imaging with PET. , 2011, , .		17
711	Blood-Brain Barrier Permeability Assessed by Perfusion CT Predicts Symptomatic Hemorrhagic Transformation and Malignant Edema in Acute Ischemic Stroke. <i>American Journal of Neuroradiology</i> , 2011, 32, 41-48.	1.2	147
712	Impaired Skeletal Muscle Glucose Uptake by [¹⁸ F]Fluorodeoxyglucose—Positron Emission Tomography in Patients With Peripheral Artery Disease and Intermittent Claudication. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 190-196.	1.1	26
713	Is Liver SUV Stable over Time in 18F-FDG PET Imaging?. <i>Journal of Nuclear Medicine Technology</i> , 2011, 39, 258-263.	0.4	35
714	Parametric Images in Assessing Bone Grafts Using Dynamic ¹⁸ F-Fluoride PET. <i>International Journal of Molecular Imaging</i> , 2011, 2011, 1-8.	1.3	2
715	Longitudinal evolution of compensatory changes in striatal dopamine processing in Parkinson's disease. <i>Brain</i> , 2011, 134, 3290-3298.	3.7	133
716	Relation between Presynaptic and Postsynaptic Dopaminergic Functions Measured by Positron Emission Tomography: Implication of Dopaminergic Tone. <i>Journal of Neuroscience</i> , 2011, 31, 7886-7890.	1.7	45
717	Human Dosimetry and Preliminary Tumor Distribution of 18F-Fluoropaclitaxel in Healthy Volunteers and Newly Diagnosed Breast Cancer Patients Using PET/CT. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1339-1345.	2.8	27
718	Developmental Changes in P-Glycoprotein Function in the Blood-Brain Barrier of Nonhuman Primates: PET Study with ¹¹ C-Verapamil and ¹¹ C-Osetamivir. <i>Journal of Nuclear Medicine</i> , 2011, 52, 950-957.	2.8	45
719	The use of PET imaging in studying cognition, genetics and pharmacotherapeutic interventions in schizophrenia. <i>Expert Review of Neurotherapeutics</i> , 2011, 11, 37-51.	1.4	23
720	Patient-Specific Method of Generating Parametric Maps of Patlak Ki without Blood Sampling or Metabolite Correction: A Feasibility Study. <i>International Journal of Molecular Imaging</i> , 2011, 2011, 1-12.	1.3	9

#	ARTICLE	IF	CITATIONS
721	¹⁸ F-FDG Uptake Rate Is a Biomarker of Eosinophilic Inflammation and Airway Response in Asthma. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1713-1720.	2.8	56
722	A Dose-Response Elevation in Hepatic Glucose Uptake is Paralleled by Liver Triglyceride Synthesis and Release. <i>Endocrine Research</i> , 2011, 36, 9-18.	0.6	5
723	Persistent Nigrostriatal Dopaminergic Abnormalities in Ex-Users of MDMA (Ecstasy™): An 18F-Dopa PET Study. <i>Neuropsychopharmacology</i> , 2011, 36, 735-743.	2.8	25
724	¹¹ C-Acetate PET/CT in Localized Prostate Cancer: A Study with MRI and Histopathologic Correlation. <i>Journal of Nuclear Medicine</i> , 2012, 53, 538-545.	2.8	119
725	Dopaminergic Mechanisms of Reduced Basal Ganglia Responses to Hedonic Reward During Interferon Alfa Administration. <i>Archives of General Psychiatry</i> , 2012, 69, 1044.	13.8	306
726	Striatal Dopamine Influences the Default Mode Network to Affect Shifting between Object Features. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1960-1970.	1.1	52
727	Cystic Fibrosis: Detecting Changes in Airway Inflammation with FDG PET/CT. <i>Radiology</i> , 2012, 264, 868-875.	3.6	42
728	Enhanced whole-body PET parametric imaging using hybrid regression and thresholding driven by kinetic correlations. , 2012, , .		4
729	The Akaike information criterion in DCE-MRI: Does it improve the haemodynamic parameter estimates?. <i>Physics in Medicine and Biology</i> , 2012, 57, 3609-3628.	1.6	21
730	¹⁸ F-FDG Uptake to Assess Eosinophilic Inflammation in Asthma: Would SUV at Late Imaging Be Relevant?. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1328.1-1328.	2.8	2
731	Cerebral metabolism, magnetic resonance spectroscopy and cognitive dysfunction in early multiple sclerosis: an exploratory study. <i>Neurological Research</i> , 2012, 34, 52-58.	0.6	11
732	A method for generating image-derived input function in quantitative ¹⁸ F-FDG PET study based on the monotonicity of the input and output function curve. <i>Nuclear Medicine Communications</i> , 2012, 33, 362-370.	0.5	14
733	Validity of Simplified ³ Deoxy- ³ [18F]Fluorothymidine Uptake Measures for Monitoring Response to Chemotherapy in Locally Advanced Breast Cancer. <i>Molecular Imaging and Biology</i> , 2012, 14, 777-782.	1.3	18
734	Age, sex and NK1 receptors in the human brain – A positron emission tomography study with [¹¹ C]GR205171. <i>European Neuropsychopharmacology</i> , 2012, 22, 562-568.	0.3	22
736	Seasonality of striatal dopamine synthesis capacity in Parkinson's disease. <i>Neuroscience Letters</i> , 2012, 530, 80-84.	1.0	20
737	Applications of Imaging Technology in Radiation Research. <i>Radiation Research</i> , 2012, 177, 387-397.	0.7	12
738	Dopamine and frontostriatal networks in cognitive aging. <i>Neurobiology of Aging</i> , 2012, 33, 623.e15-623.e24.	1.5	65
739	Clinical utility of ¹⁸ F-fluoride PET/CT in benign and malignant bone diseases. <i>Bone</i> , 2012, 50, 128-139.	1.4	81

#	ARTICLE	IF	CITATIONS
740	Cilostazol versus aspirin therapy in patients with chronic dizziness after ischemic stroke. <i>Clinical Neurology and Neurosurgery</i> , 2012, 114, 876-880.	0.6	16
741	Dopamine Supports Coupling of Attention-Related Networks. <i>Journal of Neuroscience</i> , 2012, 32, 9582-9587.	1.7	118
742	The ketogenic diet increases brain glucose and ketone uptake in aged rats: A dual tracer PET and volumetric MRI study. <i>Brain Research</i> , 2012, 1488, 14-23.	1.1	41
743	A study of non-invasive Patlak quantification for whole-body dynamic FDG-PET studies of mice. <i>Biomedical Signal Processing and Control</i> , 2012, 7, 438-446.	3.5	8
744	Comparative evaluation of Logan and relative-equilibrium graphical methods for parametric imaging of dynamic [¹⁸ F]FDG PET determinations. <i>NeuroImage</i> , 2012, 60, 241-251.	2.1	5
745	Quantitative measurement of changes in calcium channel activity in vivo utilizing dynamic manganese-enhanced MRI (dMEMRI). <i>NeuroImage</i> , 2012, 60, 392-399.	2.1	6
746	Perfusion-CT assessment of blood-brain barrier permeability in patients with aneurysmal subarachnoid hemorrhage. <i>Journal of Neuroradiology</i> , 2012, 39, 317-325.	0.6	14
747	Using the rPatlak plot and dynamic FDG-PET to generate parametric images of relative local cerebral metabolic rate of glucose. <i>Science Bulletin</i> , 2012, 57, 3811-3818.	1.7	4
748	Similar patterns of myocardial metabolism and perfusion in patients with type 2 diabetes and heart disease of ischaemic and non-ischaemic origin. <i>Diabetologia</i> , 2012, 55, 2494-2500.	2.9	6
749	FDG-PET is a good biomarker of both early response and acquired resistance in BRAFV600 mutant melanomas treated with vemurafenib and the MEK inhibitor GDC-0973. <i>EJNMMI Research</i> , 2012, 2, 22.	1.1	52
750	Comparison of free breathing versus breath-hold in perfusion imaging using dynamic volume CT. <i>Insights Into Imaging</i> , 2012, 3, 323-328.	1.6	7
751	Dynamic Contrast-Enhanced Magnetic Resonance Imaging (DCE-MRI) in Preclinical Studies of Antivascular Treatments. <i>Pharmaceutics</i> , 2012, 4, 563-589.	2.0	35
752	Quantitative approaches of dynamic FDG-PET and PET/CT studies (dPET/CT) for the evaluation of oncological patients. <i>Cancer Imaging</i> , 2012, 12, 283-289.	1.2	58
753	Improved kinetic analysis of dynamic PET data with optimized HYPR-RLS. <i>Medical Physics</i> , 2012, 39, 3319-3331.	1.6	39
754	Prolonged Maturation Culture Favors a Reduction in the Tumorigenicity and the Dopaminergic Function of Human ESC-Derived Neural Cells in a Primate Model of Parkinson's Disease. <i>Stem Cells</i> , 2012, 30, 935-945.	1.4	155
755	Model selection for DCE-MRI studies in glioblastoma. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 241-251.	1.9	74
756	MRI of Blood-Brain Barrier Permeability in Cerebral Ischemia. <i>Translational Stroke Research</i> , 2012, 3, 56-64.	2.3	17
757	Improving Acute Stroke Management with Computed Tomography Perfusion: A Review of Imaging Basics and Applications. <i>Translational Stroke Research</i> , 2012, 3, 205-220.	2.3	22

#	ARTICLE	IF	CITATIONS
758	An Analysis Tool to Calculate Permeability Based on the Patlak Method. <i>Journal of Medical Systems</i> , 2012, 36, 1317-1326.	2.2	2
759	Dynamic FDG PET for assessing early effects of cerebral hypoxia and resuscitation in new-born pigs. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 792-799.	3.3	10
760	Dopamine pathway loss in nucleus accumbens and ventral tegmental area predicts apathetic behavior in MPTP-lesioned monkeys. <i>Experimental Neurology</i> , 2012, 236, 190-197.	2.0	59
761	Model-independent plot of dynamic PET data facilitates data interpretation and model selection. <i>Journal of Theoretical Biology</i> , 2012, 295, 1-8.	0.8	1
762	Quantitation of glucose uptake in tumors by dynamic FDG-PET has less glucose bias and lower variability when adjusted for partial saturation of glucose transport. <i>EJNMMI Research</i> , 2012, 2, 6.	1.1	15
763	Increased medial orbitofrontal [¹⁸ F]fluorodopa uptake in Parkinsonian impulse control disorders. <i>Movement Disorders</i> , 2012, 27, 778-782.	2.2	44
764	Ventral striatal prediction error signaling is associated with dopamine synthesis capacity and fluid intelligence. <i>Human Brain Mapping</i> , 2013, 34, 1490-1499.	1.9	94
765	Evaluation of dynamic contrast-enhanced T1-weighted perfusion MRI in the differentiation of tumor recurrence from radiation necrosis. <i>Neuroradiology</i> , 2013, 55, 361-369.	1.1	91
767	The 2D Hotelling filter - a quantitative noise-reducing principal-component filter for dynamic PET data, with applications in patient dose reduction. <i>BMC Medical Physics</i> , 2013, 13, 1.	2.4	7
768	Regional differences in blood flow, glucose uptake and fatty acid uptake within quadriceps femoris muscle during dynamic knee-extension exercise. <i>European Journal of Applied Physiology</i> , 2013, 113, 1775-1782.	1.2	19
769	Back to the future: the absolute quantification of cerebral metabolic rate of glucose. <i>Clinical and Translational Imaging</i> , 2013, 1, 289-296.	1.1	9
770	The quantification with FDG as seen by a physician. <i>Nuclear Medicine and Biology</i> , 2013, 40, 720-730.	0.3	17
771	Quantification of blood-to-brain transfer rate in multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2013, 2, 124-132.	0.9	11
772	Reduced Striatal Dopamine Synthesis Capacity is Associated with Symptoms of Depression in Patients with de novo Unmedicated Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2013, 3, 325-329.	1.5	16
774	Activin a is associated with impaired myocardial glucose metabolism and left ventricular remodeling in patients with uncomplicated type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2013, 12, 150.	2.7	32
775	MR-based hypoxia measures in human glioma. <i>Journal of Neuro-Oncology</i> , 2013, 115, 197-207.	1.4	58
776	Comparison between kinetic modelling and graphical analysis for the quantification of [18F]fluoromethylcholine uptake in mice. <i>EJNMMI Research</i> , 2013, 3, 66.	1.1	9
777	The PET-derived tumor-to-blood standard uptake ratio (SUR) is superior to tumor SUV as a surrogate parameter of the metabolic rate of FDG. <i>EJNMMI Research</i> , 2013, 3, 77.	1.1	96

#	ARTICLE	IF	CITATIONS
778	Dual time point based quantification of metabolic uptake rates in 18F-FDG PET. <i>EJNMMI Research</i> , 2013, 3, 16.	1.1	21
779	Assessing radiotracer kinetics in the Langendorff perfused heart. <i>EJNMMI Research</i> , 2013, 3, 74.	1.1	11
780	A Fast Nonlinear Regression Method for Estimating Permeability in CT Perfusion Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1743-1751.	2.4	22
781	Model selection in measures of vascular parameters using dynamic contrast-enhanced MRI: experimental and clinical applications. <i>NMR in Biomedicine</i> , 2013, 26, 1028-1041.	1.6	86
782	Morning-evening variation in human brain metabolism and memory circuits. <i>Journal of Neurophysiology</i> , 2013, 109, 1444-1456.	0.9	96
783	Impact of transvascular and cellular interstitial water exchange on dynamic contrast-enhanced magnetic resonance imaging estimates of blood to tissue transfer constant and blood plasma volume. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 435-444.	1.9	16
784	Presynaptic Striatal Dopamine Dysfunction in People at Ultra-high Risk for Psychosis: Findings in a Second Cohort. <i>Biological Psychiatry</i> , 2013, 74, 106-112.	0.7	208
785	Measurement of blood-brain barrier permeability in acute ischemic stroke using standard first-pass perfusion CT data. <i>NeuroImage: Clinical</i> , 2013, 2, 658-662.	1.4	21
786	Kinetic analysis of FDG in rat liver: Effect of dietary intervention on arterial and portal vein input. <i>Nuclear Medicine and Biology</i> , 2013, 40, 537-546.	0.3	5
787	Characterization of [11C]RO5013853, a novel PET tracer for the glycine transporter type 1 (GlyT1) in humans. <i>NeuroImage</i> , 2013, 75, 282-290.	2.1	26
788	Novel spatial analysis method for PET images using 3D moment invariants: Applications to Parkinson's disease. <i>NeuroImage</i> , 2013, 68, 11-21.	2.1	18
789	Metabolic Consequences of Adipose Triglyceride Lipase Deficiency in Humans: An In Vivo Study in Patients With Neutral Lipid Storage Disease With Myopathy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1540-E1548.	1.8	23
790	Genetic effects on behavior are mediated by neurotransmitters and large-scale neural networks. <i>NeuroImage</i> , 2013, 66, 203-214.	2.1	32
791	Measuring dopaminergic function in the 6-OHDA-lesioned rat: a comparison of PET and microdialysis. <i>EJNMMI Research</i> , 2013, 3, 69.	1.1	20
792	Pulmonary ¹⁸ F-Fluoro-Deoxyglucose Uptake is Low in Treated Patients with Idiopathic Pulmonary Arterial Hypertension. <i>Pulmonary Circulation</i> , 2013, 3, 647-653.	0.8	12
793	Dynamic Contrast-Enhanced MRI Evaluation of Cerebral Cavernous Malformations. <i>Translational Stroke Research</i> , 2013, 4, 500-506.	2.3	28
794	4-[18F]Fluoro-m-hydroxyphenethylguanidine: A Radiopharmaceutical for Quantifying Regional Cardiac Sympathetic Nerve Density with Positron Emission Tomography. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 7312-7323.	2.9	45
795	Quantification of Cardiac Sympathetic Nerve Density with ¹¹ C-Guanyl-meta-Octopamine and Tracer Kinetic Analysis. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1645-1652.	2.8	20

#	ARTICLE	IF	CITATIONS
796	Primary Colorectal Cancer: Use of Kinetic Modeling of Dynamic Contrast-enhanced CT Data to Predict Clinical Outcome. <i>Radiology</i> , 2013, 267, 145-154.	3.6	25
797	Glycine Transporter Type 1 Occupancy by Bitopertin: a Positron Emission Tomography Study in Healthy Volunteers. <i>Neuropsychopharmacology</i> , 2013, 38, 504-512.	2.8	47
798	Nature or Nurture? Determining the Heritability of Human Striatal Dopamine Function: an [18F]-DOPA PET Study. <i>Neuropsychopharmacology</i> , 2013, 38, 485-491.	2.8	30
799	Partial Volume Correction using Structuralâ€“Functional Synergistic Resolution Recovery: Comparison with Geometric Transfer Matrix Method. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 914-920.	2.4	18
800	Exercise training favors increased insulin-stimulated glucose uptake in skeletal muscle in contrast to adipose tissue: a randomized study using FDG PET imaging. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E496-E506.	1.8	52
801	Effects of dopaminergic treatment on striatal dopamine turnover in de novo Parkinson disease. <i>Neurology</i> , 2013, 80, 1754-1761.	1.5	23
802	Effects of Anesthesia and Species on the Uptake or Binding of Radioligands In Vivo in the GÃtttingen Minipig. <i>BioMed Research International</i> , 2013, 2013, 1-9.	0.9	20
803	Free Somatostatin Receptor Fraction Predicts the Antiproliferative Effect of Octreotide in a Neuroendocrine Tumor Model: Implications for Dose Optimization. <i>Cancer Research</i> , 2013, 73, 6865-6873.	0.4	19
804	Nonlinear spatio-temporal filtering of dynamic PET data using a four-dimensional Gaussian filter and expectation-maximization deconvolution. <i>Physics in Medicine and Biology</i> , 2013, 58, 1151-1168.	1.6	5
805	Multimodal Assessment of In Vivo Metabolism with Hyperpolarized [1- ¹³ C]MR Spectroscopy and ¹⁸ F-FDG PET Imaging in Hepatocellular Carcinoma Tumorâ€“Bearing Rats. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1113-1119.	2.8	29
806	Validation of midbrain positron emission tomography measures for nigrostriatal neurons in macaques. <i>Annals of Neurology</i> , 2013, 74, 602-610.	2.8	38
807	Validation of nigrostriatal positron emission tomography measures: Critical limits. <i>Annals of Neurology</i> , 2013, 73, 390-396.	2.8	74
808	Dynamic, Time-Resolved Imaging of Myocardial Perfusion Using 256-Slice Computed Tomography. <i>Medical Radiology</i> , 2013, , 125-132.	0.0	0
809	<i>In vivo</i> multi-tissue efficacy of peroxisome proliferator-activated receptor- γ therapy on glucose and fatty acid metabolism in obese type 2 diabetic rats. <i>Obesity</i> , 2013, 21, 2522-2529.	1.5	10
810	Dynamic whole-body PET parametric imaging: II. Task-oriented statistical estimation. <i>Physics in Medicine and Biology</i> , 2013, 58, 7419-7445.	1.6	84
811	Dynamic whole-body PET parametric imaging: I. Concept, acquisition protocol optimization and clinical application. <i>Physics in Medicine and Biology</i> , 2013, 58, 7391-7418.	1.6	172
812	Increased T Cell Glucose Uptake Reflects Acute Rejection in Lung Grafts. <i>American Journal of Transplantation</i> , 2013, 13, 2540-2549.	2.6	34
813	Simultaneous water activation and glucose metabolic rate imaging with PET. <i>Physics in Medicine and Biology</i> , 2013, 58, 393-411.	1.6	25

#	ARTICLE	IF	CITATIONS
814	<i>In-vivo</i> Measurement of LDOPA Uptake, Dopamine Reserve and Turnover in the Rat Brain Using [¹⁸ F]FDOPA PET. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 59-66.	2.4	33
815	Quantitative whole-body parametric PET imaging incorporating a generalized Patlak model. , 2013, , .		5
816	A Proposal of Spatio-Temporal Reconstruction Method Based on a Fast Block-Iterative Algorithm. IEICE Transactions on Information and Systems, 2013, E96.D, 819-825.	0.4	1
817	A Dual Tracer PET-MRI Protocol for the Quantitative Measure of Regional Brain Energy Substrates Uptake in the Rat. Journal of Visualized Experiments, 2013, , 50761.	0.2	1
818	A Bayesian framework for the extraction of input function for 18F-FDG metabolism study for both healthy and infarcted rats' hearts. Journal of Biomedical Graphics and Computing, 2013, 3, .	0.2	0
819	Squeezing the Muscle: Compression Clothing and Muscle Metabolism during Recovery from High Intensity Exercise. PLoS ONE, 2013, 8, e60923.	1.1	47
820	Non-Local Means Denoising of Dynamic PET Images. PLoS ONE, 2013, 8, e81390.	1.1	115
821	Ventral Striatal Dopamine Synthesis Capacity Predicts Financial Extravagance in Parkinson's Disease. Frontiers in Psychology, 2013, 4, 90.	1.1	17
822	Direct Estimation of Kinetic Parametric Images for Dynamic PET. Theranostics, 2013, 3, 802-815.	4.6	103
823	Reproducibility of Magnetic Resonance Perfusion Imaging. PLoS ONE, 2014, 9, e89797.	1.1	15
824	Dorsal Striatal Dopamine, Food Preference and Health Perception in Humans. PLoS ONE, 2014, 9, e96319.	1.1	19
825	Ventral striatal dopamine synthesis capacity is associated with individual differences in behavioral disinhibition. Frontiers in Behavioral Neuroscience, 2014, 8, 86.	1.0	19
826	FDG-PET imaging in mild traumatic brain injury: a critical review. Frontiers in Neuroenergetics, 2014, 5, 13.	5.3	124
827	Validation of a Fast Block-Iterative Spatio-temporal Reconstruction Algorithm for Small Animal Dynamic PET Data. Advanced Biomedical Engineering, 2014, 3, 7-13.	0.4	0
828	Dynamic Single-Photon Emission Computed Tomography. , 2014, , 61-91.		0
829	Physiological Modelling of Positron Emission Tomography Images. , 2014, , 417-448.		1
830	Brown Adipose Tissue in Humans. Methods in Enzymology, 2014, 537, 141-159.	0.4	56
831	Influence of O-Methylated Metabolite Penetrating the Blood-Brain Barrier to Estimation of Dopamine Synthesis Capacity in Human L-[¹¹ C]DOPA PET. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 268-274.	2.4	2

#	ARTICLE	IF	CITATIONS
832	Tracer Kinetic Models in PET. , 2014, , 229-252.		0
833	[¹¹ C]5-HTP and microPET are Not Suitable for Pharmacodynamic Studies in the Rodent Brain. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 118-125.	2.4	10
834	Improved cardiac function and dietary fatty acid metabolism after modest weight loss in subjects with impaired glucose tolerance. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1388-E1396.	1.8	24
835	Comparison of methods for evaluating radiolabelled Annexin A5 uptake in pre-clinical PET oncological studies. Nuclear Medicine and Biology, 2014, 41, 793-800.	0.3	5
836	Whole-body PET parametric imaging employing direct 4D nested reconstruction and a generalized non-linear Patlak model. , 2014, , .		7
837	Carboxyfullerene neuroprotection postinjury in Parkinsonian nonhuman primates. Annals of Neurology, 2014, 76, 393-402.	2.8	58
838	Recent advances in parametric neuroreceptor mapping with dynamic PET: basic concepts and graphical analyses. Neuroscience Bulletin, 2014, 30, 733-754.	1.5	9
839	Localized Prostate Cancer Detection with ¹⁸ F FACBC PET/CT: Comparison with MR Imaging and Histopathologic Analysis. Radiology, 2014, 270, 849-856.	3.6	141
840	A dual-tracer study of extrastriatal ¹⁸ F-fluoro-L-tyrosine and ¹⁸ F-fluoro-L-dopa Uptake in Parkinson's disease. Synapse, 2014, 68, 325-331.	0.6	16
841	[¹⁸ F]Fluciclatide in the in vivo evaluation of human melanoma and renal tumors expressing α_3 and α_5 integrins. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1879-1888.	3.3	43
842	Dynamic contrast enhanced MRI parameters and tumor cellularity in a rat model of cerebral glioma at 7 T. Magnetic Resonance in Medicine, 2014, 71, 2206-2214.	1.9	63
843	Correction of scan time dependence of standard uptake values in oncological PET. EJNMMI Research, 2014, 4, 18.	1.1	46
844	Calibrated image-derived input functions for the determination of the metabolic uptake rate of glucose with [¹⁸ F]-FDG PET. Nuclear Medicine Communications, 2014, 35, 353-361.	0.5	13
845	Reproducibility of PET measurement for presynaptic dopaminergic functions using L-[¹¹ C]DOPA and [¹⁸ F]FE-PE2I in humans. Nuclear Medicine Communications, 2014, 35, 231-237.	0.5	14
846	Correcting ¹⁸ F-fluoride PET static scan measurements of skeletal plasma clearance for tracer efflux from bone. Nuclear Medicine Communications, 2014, 35, 303-310.	0.5	14
847	Peripheral Nerve Perfusion by Dynamic Contrast-Enhanced Magnetic Resonance Imaging. Investigative Radiology, 2014, 49, 518-523.	3.5	31
848	Development of ¹⁸ F-labeled radiotracers for neuroreceptor imaging with positron emission tomography. Neuroscience Bulletin, 2014, 30, 777-811.	1.5	46
849	A Pilot Study of the Value of ¹⁸ F-Fluoro-Deoxy-Thymidine PET/CT in Predicting Viable Lymphoma in Residual ¹⁸ F-FDG Avid Masses After Completion of Therapy. Clinical Nuclear Medicine, 2014, 39, 874-881.	0.7	19

#	ARTICLE	IF	CITATIONS
850	The interventricular septum in pulmonary hypertension does not show features of right ventricular failure. <i>International Journal of Cardiology</i> , 2014, 173, 509-512.	0.8	3
851	Dopaminergic Function in Cannabis Users and Its Relationship to Cannabis-Induced Psychotic Symptoms. <i>Biological Psychiatry</i> , 2014, 75, 470-478.	0.7	170
852	Periodicity in tumor vasculature targeting kinetics of ligand-functionalized nanoparticles studied by dynamic contrast enhanced magnetic resonance imaging and intravital microscopy. <i>Angiogenesis</i> , 2014, 17, 93-107.	3.7	14
853	Examining Changes in [¹⁸ F]FDG and [¹⁸ F]FLT Uptake in U87-MG Glioma Xenografts as Early Response Biomarkers to Treatment with the Dual mTOR1/2 Inhibitor AZD8055. <i>Molecular Imaging and Biology</i> , 2014, 16, 421-430.	1.3	20
854	The link between dopamine function and apathy in cannabis users: an [¹⁸ F]-DOPA PET imaging study. <i>Psychopharmacology</i> , 2014, 231, 2251-2259.	1.5	86
855	Molecular imaging of brown adipose tissue in health and disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 776-791.	3.3	73
856	Hyperthyroidism Increases Brown Fat Metabolism in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E28-E35.	1.8	95
857	Effect of bariatric surgery on liver glucose metabolism in morbidly obese diabetic and non-diabetic patients. <i>Journal of Hepatology</i> , 2014, 60, 377-383.	1.8	85
858	Netupitant PET imaging and ADME studies in humans. <i>Journal of Clinical Pharmacology</i> , 2014, 54, 97-108.	1.0	49
859	Dopamine and the Cognitive Downside of a Promised Bonus. <i>Psychological Science</i> , 2014, 25, 1003-1009.	1.8	55
860	Deriving physiological information from PET images: from SUV to compartmental modelling. <i>Clinical and Translational Imaging</i> , 2014, 2, 239-251.	1.1	38
861	Independent effects of circulating glucose, insulin and NEFA on cardiac triacylglycerol accumulation and myocardial insulin resistance in a swine model. <i>Diabetologia</i> , 2014, 57, 1937-1946.	2.9	8
862	Quality and Precision of Parametric Images Created From PET Sinogram Data by Direct Reconstruction: Proof of Concept. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 695-707.	5.4	4
863	Free Fatty Acid Uptake in Humans With CD36 Deficiency. <i>Diabetes</i> , 2014, 63, 3606-3614.	0.3	86
864	Image-Derived Input Function from the Vena Cava for ¹⁸ F-FDG PET Studies in Rats and Mice. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1380-1388.	2.8	53
865	Improving low-dose blood-brain barrier permeability quantification using sparse high-dose induced prior for Patlak model. <i>Medical Image Analysis</i> , 2014, 18, 866-880.	7.0	15
866	In vivo measures of nigrostriatal neuronal response to unilateral MPTP treatment. <i>Brain Research</i> , 2014, 1571, 49-60.	1.1	11
867	Kinetic modeling in pre-clinical positron emission tomography. <i>Zeitschrift Fur Medizinische Physik</i> , 2014, 24, 274-285.	0.6	16

#	ARTICLE	IF	CITATIONS
868	Vertebral bone marrow glucose uptake is inversely associated with bone marrow fat in diabetic and healthy pigs: [18F]FDG-PET and MRI study. <i>Bone</i> , 2014, 61, 33-38.	1.4	21
869	The role of quantitative PET in predicting cancer treatment outcomes. <i>Clinical and Translational Imaging</i> , 2014, 2, 305-320.	1.1	54
870	Mortality in Parkinson's disease is not associated with the severity of early dopaminergic defect. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 894-897.	1.1	5
871	Early Inflammation Mainly Affects Normally and Poorly Aerated Lung in Experimental Ventilator-Induced Lung Injury*. <i>Critical Care Medicine</i> , 2014, 42, e279-e287.	0.4	56
872	Impact of acquisition time-window on clinical whole-body PET parametric imaging. , 2014, , .		16
873	Introducing time-of-flight and resolution recovery image reconstruction to clinical whole-body PET parametric imaging. , 2014, , .		11
875	Continuous bed motion Vs. step-and-shoot acquisition on clinical whole-body dynamic and parametric PET imaging. , 2015, , .		10
876	Clinical evaluation of direct 4D whole-body PET parametric imaging with time-of-flight and resolution modeling capabilities. , 2015, , .		3
877	CT perfusion analysis by nonlinear regression for predicting hemorrhagic transformation in ischemic stroke. <i>Medical Physics</i> , 2015, 42, 4610-4618.	1.6	17
878	Generalized whole-body Patlak parametric imaging for enhanced quantification in clinical PET. <i>Physics in Medicine and Biology</i> , 2015, 60, 8643-8673.	1.6	78
879	Peritumoral tissue compression is predictive of exudate flux in a rat model of cerebral tumor: an MRI study in an embedded tumor. <i>NMR in Biomedicine</i> , 2015, 28, 1557-1569.	1.6	21
880	Correlation of Quantitative Dual-Energy Computed Tomography Iodine Maps and Abdominal Computed Tomography Perfusion Measurements. <i>Investigative Radiology</i> , 2015, 50, 703-708.	3.5	45
881	In-vivo imaging of blood-brain barrier permeability using positron emission tomography with 2-amino-[3-11C]isobutyric acid. <i>Nuclear Medicine Communications</i> , 2015, 36, 1239-1248.	0.5	22
882	Quantitative Graphical Analysis of Simultaneous Dynamic PET/MRI For Assessment of Prostate Cancer. <i>Clinical Nuclear Medicine</i> , 2015, 40, e236-e240.	0.7	10
883	Positron Emission Tomography (PET): Quantification and Kinetic Modeling. , 2015, , .		1
884	Neuroimaging Analysis of the Dopamine Basis for Apathetic Behaviors in an MPTP-Lesioned Primate Model. <i>PLoS ONE</i> , 2015, 10, e0132064.	1.1	21
885	Whole body parametric imaging on clinical scanner: Direct 4D reconstruction with simultaneous attenuation estimation and time-dependent normalization. , 2015, , .		5
886	[¹⁸ F]-FDG positron emission tomography—an established clinical tool opening a new window into exercise physiology. <i>Journal of Applied Physiology</i> , 2015, 118, 1181-1190.	1.2	18

#	ARTICLE	IF	CITATIONS
887	Effect of Bariatric Surgery on Adipose Tissue Glucose Metabolism in Different Depots in Patients With or Without Type 2 Diabetes. <i>Diabetes Care</i> , 2016, 39, 292-299.	4.3	50
888	<i>In vivo</i> measurement of energy substrate contribution to cold-induced brown adipose tissue thermogenesis. <i>FASEB Journal</i> , 2015, 29, 2046-2058.	0.2	183
889	Synthesis of 6-[11C]methyl-m-tyrosine ([11C]6MemTyr) for dopamine synthesis imaging in living brain using PET. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 729-734.	1.4	8
890	Blood-Brain Barrier Breakdown in the Aging Human Hippocampus. <i>Neuron</i> , 2015, 85, 296-302.	3.8	1,436
891	Effect of Sex and Impaired Glucose Tolerance on Organ-Specific Dietary Fatty Acid Metabolism in Humans. <i>Diabetes</i> , 2015, 64, 2432-2441.	0.3	22
892	Chronic alcohol intake abolishes the relationship between dopamine synthesis capacity and learning signals in the ventral striatum. <i>European Journal of Neuroscience</i> , 2015, 41, 477-486.	1.2	45
893	Obesity-associated intestinal insulin resistance is ameliorated after bariatric surgery. <i>Diabetologia</i> , 2015, 58, 1055-1062.	2.9	42
894	Ventral striatal dopamine reflects behavioral and neural signatures of model-based control during sequential decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1595-1600.	3.3	200
895	Review of clinical practice utility of positron emission tomography with 18F-fluorodeoxyglucose in assessing tumour response to therapy. <i>Radiologia Medica</i> , 2015, 120, 345-351.	4.7	13
896	Glucose metabolism following human traumatic brain injury: methods of assessment and pathophysiological findings. <i>Metabolic Brain Disease</i> , 2015, 30, 615-632.	1.4	76
897	Dopaminergic function and intertemporal choice. <i>Translational Psychiatry</i> , 2015, 5, e491-e491.	2.4	53
898	Prefrontal and Striatal Glutamate Differently Relate to Striatal Dopamine: Potential Regulatory Mechanisms of Striatal Presynaptic Dopamine Function?. <i>Journal of Neuroscience</i> , 2015, 35, 9615-9621.	1.7	50
899	Qualitative and quantitative evaluation of rigid and deformable motion correction algorithms using dual-energy CT images in view of application to CT perfusion measurements in abdominal organs affected by breathing motion. <i>British Journal of Radiology</i> , 2015, 88, 20140683.	1.0	13
900	Aberrant Salience Is Related to Reduced Reinforcement Learning Signals and Elevated Dopamine Synthesis Capacity in Healthy Adults. <i>Journal of Neuroscience</i> , 2015, 35, 10103-10111.	1.7	46
901	Pharmacokinetic Modeling of Dynamic PET. , 2015, , 209-215.		0
902	Anterior cingulate dopamine turnover and behavior change in Parkinson's disease. <i>Brain Imaging and Behavior</i> , 2015, 9, 821-827.	1.1	13
903	Muscle-specific glucose and free fatty acid uptake after sprint interval and moderate-intensity training in healthy middle-aged men. <i>Journal of Applied Physiology</i> , 2015, 118, 1172-1180.	1.2	37
904	Using Standard First-Pass Perfusion Computed Tomographic Data to Evaluate Collateral Flow in Acute Ischemic Stroke. <i>Stroke</i> , 2015, 46, 961-967.	1.0	16

#	ARTICLE	IF	CITATIONS
905	Perfusion CT imaging of treatment response in oncology. <i>European Journal of Radiology</i> , 2015, 84, 2380-2385.	1.2	46
906	Lung Inflammation Persists After 27 Hours of Protective Acute Respiratory Distress Syndrome Network Strategy and Is Concentrated in the Nondependent Lung. <i>Critical Care Medicine</i> , 2015, 43, e123-e132.	0.4	30
907	Reduced striatal dopamine transmission in REM sleep behavior disorder comorbid with depression. <i>Neurology</i> , 2015, 84, 516-522.	1.5	48
908	Differentiation of solitary brain metastasis from glioblastoma multiforme: a predictive multiparametric approach using combined MR diffusion and perfusion. <i>Neuroradiology</i> , 2015, 57, 697-703.	1.1	87
909	Direct estimation from list-mode data for reversible tracers using graphical modeling. , 2015, , .		12
910	Assessment of Bloodâ€“Brain Barrier Disruption in Stroke. <i>Stroke</i> , 2015, 46, 3310-3315.	1.0	115
911	Evaluation of a short dynamic ¹⁸ F-fluoride PET/CT scanning method to assess bone metabolic activity in spinal orthopedics. <i>Annals of Nuclear Medicine</i> , 2015, 29, 799-809.	1.2	5
912	Dose-Finding Quantitative ¹⁸ F-FDG PET Imaging Study with the Oral Pan-AKT Inhibitor GSK2141795 in Patients with Gynecologic Malignancies. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1828-1835.	2.8	24
913	Quantitative <i>in vivo</i> cell-surface receptor imaging in oncology: kinetic modeling and paired-agent principles from nuclear medicine and optical imaging. <i>Physics in Medicine and Biology</i> , 2015, 60, R239-R269.	1.6	83
914	Identifying active vascular microcalcification by ¹⁸ F-sodium fluoride positron emission tomography. <i>Nature Communications</i> , 2015, 6, 7495.	5.8	385
915	Determination of Single-Kidney Glomerular Filtration Rate in Human Subjects by Using CT. <i>Radiology</i> , 2015, 276, 490-498.	3.6	32
916	The Mechanism of Ipsilateral Ataxia in Lacunar Hemiparesis: SPECT Perfusion Imaging. <i>European Neurology</i> , 2015, 73, 106-111.	0.6	9
917	Phenylketonuria: Brain Phenylalanine Concentrations Relate Inversely to Cerebral Protein Synthesis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 200-205.	2.4	16
918	Direct 4D slice-wise whole-body parametric PET image reconstruction for continuous bed motion acquisitions. , 2016, , .		5
919	Joint direct dynamic analysis in dual-tracer PET imaging. , 2016, , .		0
920	Quantification of Task-Specific Glucose Metabolism with Constant Infusion of ¹⁸ F-FDG. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1933-1940.	2.8	64
921	Impact of contamination with long-lived radionuclides on PET kinetics modelling in multitracer studies. <i>Nuclear Medicine Communications</i> , 2016, 37, 818-824.	0.5	3
922	A scan without evidence is not evidence of absence: Scans without evidence of dopaminergic deficit in a symptomatic leucine-rich repeat kinase 2 mutation carrier. <i>Movement Disorders</i> , 2016, 31, 405-409.	2.2	14

#	ARTICLE	IF	CITATIONS
923	Adversity in childhood linked to elevated striatal dopamine function in adulthood. <i>Schizophrenia Research</i> , 2016, 176, 171-176.	1.1	77
924	Alteration of the regional cerebral glucose metabolism in healthy subjects by glucose loading. <i>Human Brain Mapping</i> , 2016, 37, 2823-2832.	1.9	21
925	Comparative evaluation of SUV, tumor-to-blood standard uptake ratio (SUR), and dual time point measurements for assessment of the metabolic uptake rate in FDG PET. <i>EJNMMI Research</i> , 2016, 6, 53.	1.1	34
926	Salience attribution and its relationship to cannabis-induced psychotic symptoms. <i>Psychological Medicine</i> , 2016, 46, 3383-3395.	2.7	12
927	Whole-body direct 4D parametric PET imaging employing nested generalized Patlak expectation-maximization reconstruction. <i>Physics in Medicine and Biology</i> , 2016, 61, 5456-5485.	1.6	79
928	Modulation of impulsivity and reward sensitivity in intertemporal choice by striatal and midbrain dopamine synthesis in healthy adults. <i>Journal of Neurophysiology</i> , 2016, 115, 1146-1156.	0.9	40
929	Brain aerobic glycolysis and motor adaptation learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3782-91.	3.3	62
930	Blood-brain barrier transport kinetics of the neuromedin peptides NML, NMN, NMB and NT. <i>Neuropharmacology</i> , 2016, 107, 460-470.	2.0	21
931	Positron Emission Tomography (PET) Use in Pharmacology. , 2016, , 49-70.		0
932	Compensatory Mechanism for Face Perception Suggested by a SPECT Activation Study. <i>Journal of Pediatric Neurology</i> , 2016, 14, 021-024.	0.0	0
933	Design of the NIA-NIGMA study: Exploring the effect of Souvenaid on cerebral glucose metabolism in early Alzheimer's disease. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2016, 2, 233-240.	1.8	4
934	Left ventricular vascular and metabolic adaptations to high-intensity interval and moderate intensity continuous training: a randomized trial in healthy middle-aged men. <i>Journal of Physiology</i> , 2016, 594, 7127-7140.	1.3	21
936	mTORC1 is Required for Brown Adipose Tissue Recruitment and Metabolic Adaptation to Cold. <i>Scientific Reports</i> , 2016, 6, 37223.	1.6	64
937	Exenatide improves both hepatic and adipose tissue insulin resistance: A dynamic positron emission tomography study. <i>Hepatology</i> , 2016, 64, 2028-2037.	3.6	78
938	Metabolic activity of brown, beige, and white adipose tissues in response to chronic adrenergic stimulation in male mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E260-E268.	1.8	92
939	Evaluation of glioblastomas and lymphomas with whole-brain CT perfusion: Comparison between a delay-invariant singular-value decomposition algorithm and a Patlak plot. <i>Journal of Neuroradiology</i> , 2016, 43, 266-272.	0.6	9
940	Blood-brain barrier permeability of ginkgolide: Comparison of the behavior of PET probes ^{18}F - and ^{11}C -methylbenzyl ginkgolide B in monkey and rat brains. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 5148-5157.	1.4	10
941	Aging Affects Dopaminergic Neural Mechanisms of Cognitive Flexibility. <i>Journal of Neuroscience</i> , 2016, 36, 12559-12569.	1.7	116

#	ARTICLE	IF	CITATIONS
942	Mismatch of Low Perfusion and High Permeability Predicts Hemorrhagic Transformation Region in Acute Ischemic Stroke Patients Treated with Intra-arterial Thrombolysis. <i>Scientific Reports</i> , 2016, 6, 27950.	1.6	10
943	18F-FDG:18F-NaF PET/MR multi-parametric imaging with kinetics-based bone segmentation for enhanced dual-tracer PET quantification. , 2016, , .		4
944	Noninvasive bi-graphical analysis for the quantification of slowly reversible radioligand binding. <i>Physics in Medicine and Biology</i> , 2016, 61, 6770-6790.	1.6	4
945	Compartmental modeling of F-DOPA PET images from Parkinson's patients. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
946	Mathematical Models of Contrast Transport Kinetics for Cancer Diagnostic Imaging: A Review. <i>IEEE Reviews in Biomedical Engineering</i> , 2016, 9, 121-147.	13.1	32
947	Integration of Quantitative Positron Emission Tomography Absolute Myocardial Blood Flow Measurements in the Clinical Management of Coronary Artery Disease. <i>Circulation</i> , 2016, 133, 2180-2196.	1.6	45
948	Biochemical and clinical effects of Whey protein supplementation in Parkinson's disease: A pilot study. <i>Journal of the Neurological Sciences</i> , 2016, 367, 162-170.	0.3	43
949	[11C]acetate PET Imaging is not Always Associated with Increased Lipogenesis in Hepatocellular Carcinoma in Mice. <i>Molecular Imaging and Biology</i> , 2016, 18, 360-367.	1.3	11
950	SOD1 nanozyme with reduced toxicity and MPS accumulation. <i>Journal of Controlled Release</i> , 2016, 231, 38-49.	4.8	46
951	Resistance training enhances insulin suppression of endogenous glucose production in elderly women. <i>Journal of Applied Physiology</i> , 2016, 120, 633-639.	1.2	11
952	Permeability imaging in cerebrovascular diseases: applications and progress in research. <i>Neurovascular Imaging</i> , 2016, 2, .	2.4	6
953	Evaluation of 6- ¹¹ C-Methyl-L-Tyrosine as a PET Probe for Presynaptic Dopaminergic Activity: A Comparison PET Study with ¹² - ¹¹ C-L-DOPA and ¹⁸ - ^F -FDOPA in Parkinson Disease Monkeys. <i>Journal of Nuclear Medicine</i> , 2016, 57, 303-308.	2.8	13
954	PET Imaging of Mitochondrial Complex I with ¹⁸ - ^F -BCPP-EF in the Brains of MPTP-Treated Monkeys. <i>Journal of Nuclear Medicine</i> , 2016, 57, 950-953.	2.8	30
955	Common Variation in the DOPA Decarboxylase (DDC) Gene and Human Striatal DDC Activity In Vivo. <i>Neuropsychopharmacology</i> , 2016, 41, 2303-2308.	2.8	18
956	MR Imagingâ€“Guided Partial Volume Correction of PET Data in PET/MR Imaging. <i>PET Clinics</i> , 2016, 11, 161-177.	1.5	32
957	Fitting the two-compartment model in ¹²⁵ I-DCE-MRI by linear inversion. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 998-1006.	1.9	23
958	CT Permeability Imaging Predicts Clinical Outcomes in Acute Ischemic Stroke Patients Treated with Intra-arterial Thrombolytic Therapy. <i>Molecular Neurobiology</i> , 2017, 54, 2539-2546.	1.9	4
959	Rolapitant Absolute Bioavailability and PET Imaging Studies in Healthy Adult Volunteers. <i>Clinical Pharmacology and Therapeutics</i> , 2017, 102, 332-339.	2.3	21

#	ARTICLE	IF	CITATIONS
960	Blood-brain barrier permeability of normal-appearing white matter in patients with vestibular schwannoma: A new hybrid approach for analysis of ^{18}F -W DCE-MRI. Journal of Magnetic Resonance Imaging, 2017, 46, 79-93.	1.9	11
961	Loss of UCP2 impairs cold-induced non-shivering thermogenesis by promoting a shift toward glucose utilization in brown adipose tissue. Biochimie, 2017, 134, 118-126.	1.3	34
962	^{18}F -Fluoroethanol Is a PET Reporter of Solid Tumor Perfusion. Journal of Nuclear Medicine, 2017, 58, 815-820.	2.8	3
963	Multiparametric Imaging of Tumor Hypoxia and Perfusion with ^{18}F -Fluoromisonidazole Dynamic PET in Head and Neck Cancer. Journal of Nuclear Medicine, 2017, 58, 1072-1080.	2.8	31
964	Dual time point method for the quantification of irreversible tracer kinetics: A reference tissue approach applied to ^{18}F -FDOPA brain PET. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3124-3134.	2.4	3
965	Prediction of hemorrhagic transformation after experimental ischemic stroke using MRI-based algorithms. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3065-3076.	2.4	7
966	Effect of MPTP on Serotonergic Neuronal Systems and Mitochondrial Complex I Activity in the Living Brain: A PET Study on Conscious Rhesus Monkeys. Journal of Nuclear Medicine, 2017, 58, 1111-1116.	2.8	18
967	Acute Temporal Changes of MRI-Tracked Tumor Vascular Parameters after Combined Anti-angiogenic and Radiation Treatments in a Rat Glioma Model: Identifying Signatures of Synergism. Radiation Research, 2017, 187, 79-88.	0.7	15
968	Ketone Body Infusion With ^3H -Hydroxybutyrate Reduces Myocardial Glucose Uptake and Increases Blood Flow in Humans: A Positron Emission Tomography Study. Journal of the American Heart Association, 2017, 6, .	1.6	144
969	Fatty acid uptake and blood flow in adipose tissue compartments of morbidly obese subjects with or without type 2 diabetes: effects of bariatric surgery. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E175-E182.	1.8	26
970	Fully parametric imaging with reversible tracer ^{18}F -FLT within a reasonable time. Radiological Physics and Technology, 2017, 10, 41-48.	1.0	3
971	Presynaptic Dopamine Capacity in Patients with Treatment-Resistant Schizophrenia Taking Clozapine: An ^{18}F -DOPA PET Study. Neuropsychopharmacology, 2017, 42, 941-950.	2.8	98
972	Multiple Time-Point ^{68}Ga -PSMA I&T PET/CT for Characterization of Primary Prostate Cancer. Clinical Nuclear Medicine, 2017, 42, e286-e293.	0.7	49
973	Dynamic brain glucose metabolism identifies anti-correlated cortical-cerebellar networks at rest. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3659-3670.	2.4	45
974	^{18}F -Fluoromisonidazole Kinetic Modeling for Characterization of Tumor Perfusion and Hypoxia in Response to Antiangiogenic Therapy. Journal of Nuclear Medicine, 2017, 58, 1567-1573.	2.8	11
975	Intranasal delivery of N-terminal modified leptin-pluronic conjugate for treatment of obesity. Journal of Controlled Release, 2017, 263, 172-184.	4.8	28
976	Machine learning-based kinetic modeling: a robust and reproducible solution for quantitative analysis of dynamic PET data. Physics in Medicine and Biology, 2017, 62, 3566-3581.	1.6	29
977	Presynaptic Dopamine Synthesis Capacity in Schizophrenia and Striatal Blood Flow Change During Antipsychotic Treatment and Medication-Free Conditions. Neuropsychopharmacology, 2017, 42, 2232-2241.	2.8	19

#	ARTICLE	IF	CITATIONS
978	A semi-automated volumetric software for segmentation and perfusion parameter quantification of brain tumors using 320-row multidetector computed tomography: a validation study. <i>Neuroradiology</i> , 2017, 59, 461-469.	1.1	5
979	[¹⁸ F]Fluoro-Hydroxyphenethylguanidines: Efficient Synthesis and Comparison of Two Structural Isomers as Radiotracers of Cardiac Sympathetic Innervation. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1530-1542.	1.7	19
980	Evaluation of [¹⁴ C] and [¹³ C]Sucrose as Blood-Brain Barrier Permeability Markers. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1659-1669.	1.6	19
981	Comparative assessment of [¹⁸ F]fluoro-tyrosine and [¹⁸ F]fluoro-dopa to evaluate dopaminergic presynaptic integrity in a Parkinson's disease rat model. <i>Journal of Neurochemistry</i> , 2017, 141, 626-635.	2.1	17
982	Serotonin and dopamine transporter PET changes in the premotor phase of LRRK2 parkinsonism: cross-sectional studies. <i>Lancet Neurology</i> , The, 2017, 16, 351-359.	4.9	96
983	¹⁸ F-Fluoride and ¹⁸ F-Fluorodeoxyglucose Positron Emission Tomography After Transient Ischemic Attack or Minor Ischemic Stroke. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	91
984	Blood-brain barrier leakage is more widespread in patients with cerebral small vessel disease. <i>Neurology</i> , 2017, 88, 426-432.	1.5	161
985	A systematic review of lessons learned from PET molecular imaging research in atypical parkinsonism (Niccolini and Politis, 2016). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 548-550.	3.3	0
986	A revisit to quantitative PET with ¹⁸ F-FDOPA of high specific activity using a high-resolution condition in view of application to regenerative therapy. <i>Annals of Nuclear Medicine</i> , 2017, 31, 163-171.	1.2	9
987	In Vivo Imaging of Inflammation. , 2017, , 1567-1582.		0
988	A three-time-point method for assessing kinetic parameters of ⁶⁴ Cu-labeled Ramucirumab trapping in VEGFR-2 positive lung tumors. <i>Physica Medica</i> , 2017, 43, 1-5.	0.4	7
989	A Test of the Transdiagnostic Dopamine Hypothesis of Psychosis Using Positron Emission Tomographic Imaging in Bipolar Affective Disorder and Schizophrenia. <i>JAMA Psychiatry</i> , 2017, 74, 1206.	6.0	178
990	A physiology-based parametric imaging method for FDG-PET data. <i>Inverse Problems</i> , 2017, 33, 125010.	1.0	12
991	Simultaneous EEG-PET-fMRI measurements in disorders of consciousness: an exploratory study on diagnosis and prognosis. <i>Journal of Neurology</i> , 2017, 264, 1986-1995.	1.8	18
992	The role of glucose, insulin and NEFA in regulating tissue triglyceride accumulation: Substrate cooperation in adipose tissue versus substrate competition in skeletal muscle. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2017, 27, 956-963.	1.1	7
993	Effects of changes in analytic variables and contrast medium on estimation of glomerular filtration rates by computed tomography in healthy dogs. <i>American Journal of Veterinary Research</i> , 2017, 78, 1049-1055.	0.3	2
994	Human iPS cell-derived dopaminergic neurons function in a primate Parkinson's disease model. <i>Nature</i> , 2017, 548, 592-596.	13.7	528
995	Single cocaine exposure does not alter striatal pre-synaptic dopamine function in mice: an [¹⁸ F]FDOPA PET study. <i>Journal of Neurochemistry</i> , 2017, 143, 551-560.	2.1	9

#	ARTICLE	IF	CITATIONS
996	Pseudoâ€œextravasation rate constant of dynamic susceptibility contrastâ€œMRI determined from pharmacokinetic first principles. NMR in Biomedicine, 2017, 30, e3797.	1.6	0
997	Reproducibility and relative stability in magnetic resonance imaging indices of tumor vascular physiology over a period of 24 h in a rat 9L gliosarcoma model. Magnetic Resonance Imaging, 2017, 44, 131-139.	1.0	7
998	Focal Low and Global High Permeability Predict the Possibility, Risk, and Location of Hemorrhagic Transformation following Intra-Arterial Thrombolysis Therapy in Acute Stroke. American Journal of Neuroradiology, 2017, 38, 1730-1736.	1.2	12
999	Metformin treatment significantly enhances intestinal glucose uptake in patients with type 2 diabetes: Results from a randomized clinical trial. Diabetes Research and Clinical Practice, 2017, 131, 208-216.	1.1	62
1000	Quantitative positron emission tomography in brain research. Brain Research, 2017, 1670, 220-234.	1.1	38
1001	Quantitative analysis of dynamic 18F-FDG PET/CT for measurement of lung inflammation. EJNMMI Research, 2017, 7, 47.	1.1	23
1002	Parametric Net Influx Rate Images of ⁶⁸ Ga-DOTATOC and ⁶⁸ Ga-DOTATATE: Quantitative Accuracy and Improved Image Contrast. Journal of Nuclear Medicine, 2017, 58, 744-749.	2.8	23
1003	Image Processing and Analysis of PET and Hybrid PET Imaging. , 2017, , 285-301.		0
1004	Brain capillary transit time heterogeneity in healthy volunteers measured by dynamic contrast-enhanced T ₁ -weighted perfusion MRI. Journal of Magnetic Resonance Imaging, 2017, 45, 1809-1820.	1.9	16
1005	Determination of Glomerular Filtration Rate with CT Measurement of Renal Clearance of Iodinated Contrast Material versus ^{99m} Tc-DTPA Dynamic Imaging â€œGatesâ€œMethod: A Validation Study in Asymmetrical Renal Disease. Radiology, 2017, 282, 552-560.	3.6	29
1006	Federated optimisation of kinetic analysis problems. Medical Image Analysis, 2017, 35, 116-132.	7.0	0
1007	Dopamine and Opioid Neurotransmission in Behavioral Addictions: A Comparative PET Study in Pathological Gambling and Binge Eating. Neuropsychopharmacology, 2017, 42, 1169-1177.	2.8	116
1008	Human Brown Fat Radiodensity Indicates Underlying Tissue Composition and Systemic Metabolic Health. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 2258-2267.	1.8	55
1009	Kinetic measures for distinguishing vulnerable from stable atherosclerotic plaque with dynamic contrast-enhanced MRI. , 2017, , .		0
1010	Sodium fluoride PET imaging as a quantitative pharmacodynamic biomarker for bone homeostasis during anti-DKK1 therapy for multiple myeloma. Blood Cancer Journal, 2017, 7, e615-e615.	2.8	7
1011	Elevated Striatal Dopamine Function in Immigrants and Their Children: A Risk Mechanism for Psychosis. Schizophrenia Bulletin, 2017, 43, sbw181.	2.3	44
1012	Kinetic Modelling of Infection Tracers [¹⁸ F]FDG, [⁶⁸ Ga]Ga-Citrate, [¹¹ C]Methionine, and [¹¹ C]Donepezil in a Porcine Osteomyelitis Model. Contrast Media and Molecular Imaging, 2017, 2017, 1-18.	0.4	11
1013	Evaluation of B1 inhomogeneity effect on DCE-MRI data analysis of brain tumor patients at 3T. Journal of Translational Medicine, 2017, 15, 242.	1.8	13

#	ARTICLE	IF	CITATIONS
1014	SUV/Patlak-4D whole-body PET/CT dynamic and parametric imaging: clinical demonstration and validation of SUV synthesis from dynamic passes. , 2017, , .		15
1015	Direct 4D Patlak 18F-FDG PET/MR for the Multi-Parametric Assessment of active cardiac sarcoidosis. , 2017, , .		2
1016	Neurovascular Unit: Basic and Clinical Imaging with Emphasis on Advantages of Ferumoxytol. Neurosurgery, 2018, 82, 770-780.	0.6	35
1018	Spontaneous eye blink rate and dopamine synthesis capacity: preliminary evidence for an absence of positive correlation. European Journal of Neuroscience, 2018, 47, 1081-1086.	1.2	66
1019	Cannabinoid Type 1 Receptors Are Upregulated During Acute Activation of Brown Adipose Tissue. Diabetes, 2018, 67, 1226-1236.	0.3	32
1020	PET Imaging of the 5-HT2A Receptor System: A Tool to Study the Receptorâ€™s In Vivo Brain Function. , 2018, , 85-134.		5
1021	Brown adipose tissue lipid metabolism in morbid obesity: Effect of bariatric surgeryâ€™induced weight loss. Diabetes, Obesity and Metabolism, 2018, 20, 1280-1288.	2.2	37
1022	Determination of glomerular filtration rate (GFR) from fractional renal accumulation of iodinated contrast material: a convenient and rapid single-kidney CT-GFR technique. European Radiology, 2018, 28, 2763-2771.	2.3	3
1023	Levosimendan improves cardiac function and myocardial efficiency in rats with right ventricular failure. Pulmonary Circulation, 2018, 8, 1-7.	0.8	6
1024	Denoising of dynamic PET images using a multi-scale transform and non-local means filter. Biomedical Signal Processing and Control, 2018, 41, 69-80.	3.5	24
1025	In Vivo Detection of Human Brown Adipose Tissue During Cold and Exercise by PET/CT. Handbook of Experimental Pharmacology, 2018, 251, 283-298.	0.9	6
1026	Comparison of three-parameter kinetic model analysis to standard Patlakâ€™s analysis in 18F-FDG PET imaging of lung cancer patients. EJNMMI Research, 2018, 8, 24.	1.1	13
1027	Quantification of liver function by linearization of a twoâ€™compartment model of gadoxetic acid uptake using dynamic contrastâ€™enhanced magnetic resonance imaging. NMR in Biomedicine, 2018, 31, e3913.	1.6	21
1028	Toward a noninvasive estimate of interstitial fluid pressure by dynamic contrastâ€™enhanced MRI in a rat model of cerebral tumor. Magnetic Resonance in Medicine, 2018, 80, 2040-2052.	1.9	21
1029	Steady-state relationship between average glucose, HbA1c and RBC lifespan. Journal of Theoretical Biology, 2018, 447, 111-117.	0.8	16
1030	Insulin-stimulated glucose uptake in skeletal muscle, adipose tissue and liver: a positron emission tomography study. European Journal of Endocrinology, 2018, 178, 523-531.	1.9	92
1031	Does Regional Lung Strain Correlate With Regional Inflammation in Acute Respiratory Distress Syndrome During Nonprotective Ventilation? An Experimental Porcine Study*. Critical Care Medicine, 2018, 46, e591-e599.	0.4	44
1032	Advances in PET/MR instrumentation and image reconstruction. British Journal of Radiology, 2018, 91, 20160363.	1.0	47

#	ARTICLE	IF	CITATIONS
1033	Molecular imaging of postprandial metabolism. <i>Journal of Applied Physiology</i> , 2018, 124, 504-511.	1.2	7
1034	Increased Striatal Dopamine Synthesis Capacity in Gambling Addiction. <i>Biological Psychiatry</i> , 2018, 83, 1036-1043.	0.7	97
1035	Insulin differentially affects the distribution kinetics of amyloid beta 40 and 42 in plasma and brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 904-918.	2.4	41
1036	¹¹ C-PE2I and ¹⁸ F- α -Dopa PET for assessing progression rate in Parkinson's: A longitudinal study. <i>Movement Disorders</i> , 2018, 33, 117-127.	2.2	45
1037	Determination of single-kidney glomerular filtration rate (GFR) with CT urography versus renal dynamic imaging Gates method. <i>European Radiology</i> , 2018, 28, 1077-1084.	2.3	18
1038	Multiparametric MRI for Differentiation of Radiation Necrosis From Recurrent Tumor in Patients With Treated Glioblastoma. <i>American Journal of Roentgenology</i> , 2018, 210, 18-23.	1.0	56
1039	Dopamine Synthesis Capacity is Associated with D2/3 Receptor Binding but Not Dopamine Release. <i>Neuropsychopharmacology</i> , 2018, 43, 1201-1211.	2.8	43
1040	MRI measurements of Blood-Brain Barrier function in dementia: A review of recent studies. <i>Neuropharmacology</i> , 2018, 134, 259-271.	2.0	108
1041	Towards enhanced PET quantification in clinical oncology. <i>British Journal of Radiology</i> , 2018, 91, 20170508.	1.0	86
1042	A Partial Loss-of-Function Variant in <i>AKT2</i> Is Associated With Reduced Insulin-Mediated Glucose Uptake in Multiple Insulin-Sensitive Tissues: A Genotype-Based Callback Positron Emission Tomography Study. <i>Diabetes</i> , 2018, 67, 334-342.	0.3	37
1043	Adaptive Weighted Nonlinear Least Squares Method for Fluorodeoxyglucose Positron Emission Tomography Quantification. <i>Journal of Medical and Biological Engineering</i> , 2018, 38, 63-75.	1.0	2
1044	Methods for quantification of cerebral glycolytic metabolism using 2-deoxy-2-[¹⁸ F]fluoroglucose in small animals. <i>Research on Biomedical Engineering</i> , 2018, 34, 254-272.	1.5	1
1045	Quantification of tumor angiogenesis with contrast-enhanced x-ray imaging in preclinical studies: a review. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 062001.	0.6	6
1046	Reproducible quantification of cardiac sympathetic innervation using graphical modeling of carbon-11-meta-hydroxyephedrine kinetics with dynamic PET-CT imaging. <i>EJNMMI Research</i> , 2018, 8, 63.	1.1	9
1048	Direct Parametric Maps Estimation from Dynamic PET Data: An Iterated Conditional Modes Approach. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-14.	1.1	4
1049	First-in-Human Studies of [¹⁸ F] Fluorohydroxyphenethylguanidines. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007965.	1.3	23
1050	Bayesian modeling of Dynamic Contrast Enhanced MRI data in cerebral glioma patients improves the diagnostic quality of hemodynamic parameter maps. <i>PLoS ONE</i> , 2018, 13, e0202906.	1.1	9
1051	Preclinical Evaluation of [¹⁸ F]LCATD as a PET Tracer to Study Drug-Drug Interactions Caused by Inhibition of Hepatic Transporters. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-10.	0.4	1

#	ARTICLE	IF	CITATIONS
1052	A new non-invasive graphical method for quantification of cerebral blood flow with [^{123}I] IMP. <i>Annals of Nuclear Medicine</i> , 2018, 32, 620-626.	1.2	6
1053	Food addiction distinguishes an overweight phenotype that can be reversed by low calorie diet. <i>European Eating Disorders Review</i> , 2018, 26, 657-670.	2.3	19
1054	Advances in PET Methodology. <i>International Review of Neurobiology</i> , 2018, 141, 3-30.	0.9	7
1055	Impact of Aging on Metabolic Changes in the Ketotic Rat Brain: Glucose, Oxidative and 4-HNE Metabolism. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1072, 21-25.	0.8	7
1056	Validation of diffusion tensor imaging measures of nigrostriatal neurons in macaques. <i>PLoS ONE</i> , 2018, 13, e0202201.	1.1	15
1057	Adipose tissue and skeletal muscle insulin-mediated glucose uptake in insulin resistance: role of blood flow and diabetes. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 749-758.	2.2	43
1058	Novel Quantitative PET Techniques for Clinical Decision Support in Oncology. <i>Seminars in Nuclear Medicine</i> , 2018, 48, 548-564.	2.5	28
1059	Association between amygdala neurokinin-1 receptor availability and anxiety-related personality traits. <i>Translational Psychiatry</i> , 2018, 8, 168.	2.4	12
1060	Evaluation of Image Quality and Quantitation in a Clinical PET Scanner with a Uniformly Sparse Detector Rings Configuration. , 2018, , .		10
1061	The Influence of Dopamine on Cognitive Flexibility Is Mediated by Functional Connectivity in Young but Not Older Adults. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 1330-1344.	1.1	27
1062	Lower dopamine tone in the striatum is associated with higher body mass index. <i>European Neuropsychopharmacology</i> , 2018, 28, 719-731.	0.3	25
1063	Tracer Kinetics in Radionuclide Medicine. <i>Biological and Medical Physics Series</i> , 2018, , 293-310.	0.3	0
1064	The effect of the DISC1 Ser704Cys polymorphism on striatal dopamine synthesis capacity: an [18F]-DOPA PET study. <i>Human Molecular Genetics</i> , 2018, 27, 3498-3506.	1.4	8
1065	Overexpression of Receptor Tyrosine Kinase EphB4 Triggers Tumor Growth and Hypoxia in A375 Melanoma Xenografts: Insights from Multitracer Small Animal Imaging Experiments. <i>Molecules</i> , 2018, 23, 444.	1.7	11
1066	Dopamine synthesis capacity correlates with μ -opioid receptor availability in the human basal ganglia: A triple-tracer PET study. <i>NeuroImage</i> , 2018, 183, 1-6.	2.1	8
1067	Molecular Imaging of Sirtuin1 Expression Activity in Rat Brain Using Positron-Emission Tomography Magnetic-Resonance Imaging with [^{18}F]-2-Fluorobenzoylamino-hexanoic anilide. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7116-7130.	2.9	7
1068	Muscle Free Fatty-Acid Uptake Associates to Mechanical Efficiency During Exercise in Humans. <i>Frontiers in Physiology</i> , 2018, 9, 1171.	1.3	4
1069	Accelerated PET kinetic maps estimation by analytic fitting method. <i>Computers in Biology and Medicine</i> , 2018, 99, 221-235.	3.9	6

#	ARTICLE	IF	CITATIONS
1071	MR of the Urogenital Tract in Children. <i>Medical Radiology</i> , 2018, , 33-91.	0.0	0
1072	Relative Patlak plot for dynamic PET parametric imaging without the need for early-time input function. <i>Physics in Medicine and Biology</i> , 2018, 63, 165004.	1.6	15
1073	Fludeoxyglucose metabolism modeling: An overview. , 2018, , .		0
1074	Interscapular brown adipose tissue denervation does not promote the oxidative activity of inguinal white adipose tissue in male mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E815-E824.	1.8	17
1075	Postprandial Oxidative Metabolism of Human Brown Fat Indicates Thermogenesis. <i>Cell Metabolism</i> , 2018, 28, 207-216.e3.	7.2	146
1076	Neovascularization in Vertebral Artery Atheroma—A Dynamic Contrast-Enhanced Magnetic Resonance Imaging-Based Comparative Study in Patients with Symptomatic and Asymptomatic Carotid Artery Disease. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 2505-2512.	0.7	0
1077	Dynamic PET of human liver inflammation: impact of kinetic modeling with optimization-derived dual-blood input function. <i>Physics in Medicine and Biology</i> , 2018, 63, 155004.	1.6	34
1078	The peroxisome proliferator-activated receptor agonist pioglitazone and 5-lipoxygenase inhibitor zileuton have no effect on lung inflammation in healthy volunteers by positron emission tomography in a single-blind placebo-controlled cohort study. <i>PLoS ONE</i> , 2018, 13, e0191783.	1.1	7
1079	Is Response Assessment of Breast Cancer Bone Metastases Better with Measurement of ¹⁸ F-Fluoride Metabolic Flux Than with Measurement of ¹⁸ F-Fluoride PET/CT SUV?. <i>Journal of Nuclear Medicine</i> , 2019, 60, 322-327.	2.8	23
1080	Test-Retest Stability of Cerebral 2-Deoxy-2-[¹⁸ F]Fluoro-D-Glucose ([¹⁸ F]FDG) Positron Emission Tomography (PET) in Male and Female Rats. <i>Molecular Imaging and Biology</i> , 2019, 21, 240-248.	1.3	6
1081	Human brown adipose tissue: Underestimated target in metabolic disease?. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 104-112.	1.2	33
1082	QModeling: a Multiplatform, Easy-to-Use and Open-Source Toolbox for PET Kinetic Analysis. <i>Neuroinformatics</i> , 2019, 17, 103-114.	1.5	8
1083	Anthropometric and glucometabolic changes in an aged mouse model of lipocalin-2 overexpression. <i>International Journal of Obesity</i> , 2019, 43, 189-201.	1.6	9
1084	The Effects of Antipsychotic Treatment on Presynaptic Dopamine Synthesis Capacity in First-Episode Psychosis: A Positron Emission Tomography Study. <i>Biological Psychiatry</i> , 2019, 85, 79-87.	0.7	54
1085	Imager-4D: New Software for Viewing Dynamic PET Scans and Extracting Radiomic Parameters from PET Data. <i>Journal of Digital Imaging</i> , 2019, 32, 1071-1080.	1.6	5
1086	MR-based cardiac and respiratory motion correction of PET: application to static and dynamic cardiac ¹⁸ F-FDG imaging. <i>Physics in Medicine and Biology</i> , 2019, 64, 195009.	1.6	19
1087	Altered adipocyte differentiation and unbalanced autophagy in type 2 Familial Partial Lipodystrophy: an in vitro and in vivo study of adipose tissue browning. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-17.	3.2	26
1088	Reversal of heart failure in a chemogenetic model of persistent cardiac redox stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H617-H626.	1.5	22

#	ARTICLE	IF	CITATIONS
1089	Non-invasive determination of blood input function to compute rate of myocardial glucose uptake from dynamic FDG PET images of rat heart <i>in vivo</i> : comparative study between the inferior vena cava and the left ventricular blood pool with spill over and partial volume corrections. <i>Physics in Medicine and Biology</i> , 2019, 64, 165010.	1.6	14
1090	Dynamic Contrast-Enhanced Magnetic Resonance Imaging in Brain Tumors. , 2019, , 405-428.		0
1091	Renal hemodynamics and fatty acid uptake: effects of obesity and weight loss. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E871-E878.	1.8	25
1092	Exploring effects of Souvenaid on cerebral glucose metabolism in Alzheimer's disease. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 492-500.	1.8	5
1093	Blood-brain barrier at the interface of air pollution-associated neurotoxicity and neuroinflammation. <i>Advances in Neurotoxicology</i> , 2019, , 295-337.	0.7	3
1094	A compact solution for estimation of physiological parameters from ultrafast prostate dynamic contrast enhanced MRI. <i>Physics in Medicine and Biology</i> , 2019, 64, 155012.	1.6	3
1095	Preliminary evidence of increased striatal dopamine in a nonhuman primate model of maternal immune activation. <i>Translational Psychiatry</i> , 2019, 9, 135.	2.4	32
1096	Subcutaneous adipose tissue free fatty acid uptake measured using positron emission tomography and adipose biopsies in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E194-E199.	1.8	2
1097	Reduced striatal dopamine synthesis capacity in patients with schizophrenia during remission of positive symptoms. <i>Brain</i> , 2019, 142, 1813-1826.	3.7	46
1098	The SGLT2 Inhibitor Dapagliflozin Reduces Liver Fat but Does Not Affect Tissue Insulin Sensitivity: A Randomized, Double-Blind, Placebo-Controlled Study With 8-Week Treatment in Type 2 Diabetes Patients. <i>Diabetes Care</i> , 2019, 42, 931-937.	4.3	147
1099	Anesthesia and Preconditioning Induced Changes in Mouse Brain [18F] FDG Uptake and Kinetics. <i>Molecular Imaging and Biology</i> , 2019, 21, 1089-1096.	1.3	18
1100	Does whole-body Patlak 18F-FDG PET imaging improve lesion detectability in clinical oncology?. <i>European Radiology</i> , 2019, 29, 4812-4821.	2.3	54
1101	The Effects of Delay on the Input Function for Early Dynamics in Total Body Parametric Imaging. , 2019, , .		2
1102	Biomaterials in repairing rat femoral defects: In vivo insights from small animal positron emission tomography/computed tomography (PET/CT) studies. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 73, 177-194.	0.9	8
1103	Machine Learning Approaches to Radiogenomics of Breast Cancer using Low-Dose Perfusion Computed Tomography: Predicting Prognostic Biomarkers and Molecular Subtypes. <i>Scientific Reports</i> , 2019, 9, 17847.	1.6	27
1104	Kinetic Modelling of [68Ga]Ga-DOTA-Siglec-9 in Porcine Osteomyelitis and Soft Tissue Infections. <i>Molecules</i> , 2019, 24, 4094.	1.7	9
1105	Medical nuclomics. <i>Nuclear Medicine Communications</i> , 2019, 40, 294-296.	0.5	0
1106	Artificial nutrition in patients with cancer has no impact on tumour glucose metabolism: Results of the PETANC Study. <i>Clinical Nutrition</i> , 2019, 38, 2121-2126.	2.3	2

#	ARTICLE	IF	CITATIONS
1107	Prognostic Value of Standardized Uptake Ratio in Patients with Trimodality Treatment of Locally Advanced Esophageal Carcinoma. <i>Journal of Nuclear Medicine</i> , 2019, 60, 192-198.	2.8	23
1108	Effects of ketamine/xylazine and isoflurane on rat brain glucose metabolism measured by ¹⁸ F-fluorodeoxyglucose-positron emission tomography. <i>European Journal of Neuroscience</i> , 2019, 49, 51-61.	1.2	10
1109	Frontostriatal functional connectivity and striatal dopamine synthesis capacity in schizophrenia in terms of antipsychotic responsiveness: an [¹⁸ F]DOPA PET and fMRI study. <i>Psychological Medicine</i> , 2019, 49, 2533-2542.	2.7	15
1110	Blood-brain barrier breakdown is an early biomarker of human cognitive dysfunction. <i>Nature Medicine</i> , 2019, 25, 270-276.	15.2	987
1111	Blood-Brain Barrier: From Physiology to Disease and Back. <i>Physiological Reviews</i> , 2019, 99, 21-78.	13.1	1,232
1112	Physical Activity Associates with Muscle Insulin Sensitivity Postbariatric Surgery. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 278-287.	0.2	4
1113	Blood-Brain Barrier. <i>Neuroinformatics</i> , 2019, , .	0.2	8
1114	Longitudinal association between astrocyte function and glucose metabolism in autosomal dominant Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 348-356.	3.3	41
1115	Dynamic whole-body PET imaging: principles, potentials and applications. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 501-518.	3.3	145
1116	Blood-brain barrier leakage in relation to white matter hyperintensity volume and cognition in small vessel disease and normal aging. <i>Brain Imaging and Behavior</i> , 2019, 13, 389-395.	1.1	74
1117	Substitution of venous for arterial blood sampling in the determination of regional rates of cerebral protein synthesis with L-[¹¹ C]leucine PET: A validation study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1849-1863.	2.4	5
1118	Non-Invasive Imaging Methodologies for Assessment of Radiation Damage to Bone Marrow and Kidneys from Peptide Receptor Radionuclide Therapy. <i>Neuroendocrinology</i> , 2020, 110, 130-138.	1.2	4
1119	Parametric Imaging With PET and SPECT. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 1-23.	2.7	43
1120	Glutamatergic and dopaminergic function and the relationship to outcome in people at clinical high risk of psychosis: a multi-modal PET-magnetic resonance brain imaging study. <i>Neuropsychopharmacology</i> , 2020, 45, 641-648.	2.8	21
1121	Promise of Fully Integrated PET/MRI: Noninvasive Clinical Quantification of Cerebral Glucose Metabolism. <i>Journal of Nuclear Medicine</i> , 2020, 61, 276-284.	2.8	15
1122	Total-Body Dynamic Reconstruction and Parametric Imaging on the uEXPLORER. <i>Journal of Nuclear Medicine</i> , 2020, 61, 285-291.	2.8	129
1123	Tumor-to-Blood Ratio for Assessment of Somatostatin Receptor Density in Neuroendocrine Tumors Using ⁶⁸ Ga-DOTATOC and ⁶⁸ Ga-DOTATATE. <i>Journal of Nuclear Medicine</i> , 2020, 61, 217-221.	2.8	20
1124	Image-based biomedical data modeling and parametric imaging. , 2020, , 461-521.		0

#	ARTICLE	IF	CITATIONS
1125	Tracer kinetic models as temporal constraints during brain tumor DCE-MRI reconstruction. <i>Medical Physics</i> , 2020, 47, 37-51.	1.6	13
1126	Hybrid PET- and MR-driven attenuation correction for enhanced ¹⁸ F-NaF and ¹⁸ F-FDG quantification in cardiovascular PET/MR imaging. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1126-1141.	1.4	17
1127	¹⁸ F-Fluorocholine PET uptake correlates with pathologic evidence of recurrent tumor after stereotactic radiosurgery for brain metastases. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1446-1457.	3.3	13
1128	Modeling of [¹⁸ F]FEOBV Pharmacokinetics in Rat Brain. <i>Molecular Imaging and Biology</i> , 2020, 22, 931-939.	1.3	2
1129	Assessing PET Parameters in Oncologic ¹⁸ F-FDG Studies. <i>Journal of Nuclear Medicine Technology</i> , 2020, 48, 278-282.	0.4	32
1130	Exercise Training Modulates Gut Microbiota Profile and Improves Endotoxemia. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 94-104.	0.2	159
1131	The Role of the Striatum in Learning to Orthogonalize Action and Valence: A Combined PET and 7T MRI Aging Study. <i>Cerebral Cortex</i> , 2020, 30, 3340-3351.	1.6	7
1132	PET Parametric Imaging: Past, Present, and Future. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 663-675.	2.7	54
1133	Quantifying Bias and Precision of Kinetic Parameter Estimation on the PennPET Explorer, a Long Axial Field-of-View Scanner. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 735-749.	2.7	13
1134	Sex and the dopaminergic system: Insights from addiction studies. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2020, 175, 141-165.	1.0	8
1135	The cognitive effects of a promised bonus do not depend on dopamine synthesis capacity. <i>Scientific Reports</i> , 2020, 10, 16473.	1.6	4
1136	Comparative test-retest variability of outcome parameters derived from brain [¹⁸ F]FDG PET studies in non-human primates. <i>PLoS ONE</i> , 2020, 15, e0240228.	1.1	9
1137	Quantitative Imaging Parameters of Contrast-Enhanced Micro-Computed Tomography Correlate with Angiogenesis and Necrosis in a Subcutaneous C6 Glioma Model. <i>Cancers</i> , 2020, 12, 3417.	1.7	2
1138	[¹¹ C]Methionine and [¹¹ C]PBR28 as PET Imaging Tracers to Differentiate Metastatic Tumor Recurrence or Radiation Necrosis. <i>Molecular Imaging</i> , 2020, 19, 153601212096866.	0.7	12
1139	Potential Applications of PET Scans, CT Scans, and MR Imaging in Inflammatory Diseases. <i>PET Clinics</i> , 2020, 15, 559-576.	1.5	4
1140	Predicting Skeletal Muscle and Whole-Body Insulin Sensitivity Using NMR-Metabolomic Profiling. <i>Journal of the Endocrine Society</i> , 2020, 4, bvaa026.	0.1	3
1141	Methylphenidate boosts choices of mental labor over leisure depending on striatal dopamine synthesis capacity. <i>Neuropsychopharmacology</i> , 2020, 45, 2170-2179.	2.8	21
1142	Muscle insulin resistance in type 1 diabetes with coronary artery disease. <i>Diabetologia</i> , 2020, 63, 2665-2674.	2.9	0

#	ARTICLE	IF	CITATIONS
1143	Dopamine dysregulation in psychotic relapse after antipsychotic discontinuation: an [18F]DOPA and [11C]raclopride PET study in first-episode psychosis. <i>Molecular Psychiatry</i> , 2021, 26, 3476-3488.	4.1	15
1144	PET Imaging of Mitochondrial Function in the Living Brain. , 0, , .		1
1145	Kinetic Modeling of 18F-(2S,4R)4-Fluoroglutamine in Mouse Models of Breast Cancer to Estimate Glutamine Pool Size as an Indicator of Tumor Glutamine Metabolism. <i>Journal of Nuclear Medicine</i> , 2020, 62, jnumed.120.250977.	2.8	15
1146	Permeability Measures Predict Hemorrhagic Transformation after Ischemic Stroke. <i>Annals of Neurology</i> , 2020, 88, 466-476.	2.8	20
1147	Altered sensorimotor cortex noradrenergic function in idiopathic REM sleep behaviour disorder – A PET study. <i>Parkinsonism and Related Disorders</i> , 2020, 75, 63-69.	1.1	27
1148	Design and Implementation of Automated Clinical Whole Body Parametric PET With Continuous Bed Motion. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 696-707.	2.7	22
1149	Slow blood-to-brain transport underlies enduring barrier dysfunction in American football players. <i>Brain</i> , 2020, 143, 1826-1842.	3.7	42
1150	Reply to: Fitting of late dynamic [18F]MK6240 PET scans for in vivo tau quantification. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2947-2949.	3.3	0
1151	Multiparametric MRI for early identification of therapeutic response in recurrent glioblastoma treated with immune checkpoint inhibitors. <i>Neuro-Oncology</i> , 2020, 22, 1658-1666.	0.6	27
1152	Development of an In Vivo Method to Estimate Effective Drug Doses and Quantify Fatty Acid Amide Hydrolase in Rodent Brain using Positron Emission Tomography Tracer [11C]DFMC. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 373, 353-360.	1.3	3
1153	Adenosine/A2B Receptor Signaling Ameliorates the Effects of Aging and Counteracts Obesity. <i>Cell Metabolism</i> , 2020, 32, 56-70.e7.	7.2	77
1154	[18F]AlF-NOTA-octreotide PET imaging: biodistribution, dosimetry and first comparison with [68Ga]Ga-DOTATATE in neuroendocrine tumour patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 3033-3046.	3.3	59
1155	Longitudinal Positron Emission Tomography of Dopamine Synthesis in Subjects with <i>GBA1</i> Mutations. <i>Annals of Neurology</i> , 2020, 87, 652-657.	2.8	12
1156	[18F]Fluciclatide PET as a biomarker of response to combination therapy of pazopanib and paclitaxel in platinum-resistant/refractory ovarian cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1239-1251.	3.3	12
1157	Noninvasive quantification of SIRT1 expression activity and pharmacologic inhibition in a rat model of intracerebral glioma using 2-[18F]BzAHA PET/CT/MRI. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa006.	0.4	2
1158	Brain free fatty acid uptake is elevated in morbid obesity, and is irreversible 6 months after bariatric surgery: A positron emission tomography study. <i>Diabetes, Obesity and Metabolism</i> , 2020, 22, 1074-1082.	2.2	27
1159	Accuracy of arterial [18F]-Fluorodeoxyglucose uptake quantification: A kinetic modeling study. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1578-1581.	1.4	5
1160	Older adults show a reduced tendency to engage in context-dependent decision biases. <i>Neuropsychologia</i> , 2020, 142, 107445.	0.7	3

#	ARTICLE	IF	CITATIONS
1161	Effects of Changes in Analytic Variables and Contrast Material on Measurement of Computed Tomography Glomerular Filtration Rates in Healthy Candidates. <i>Journal of Computer Assisted Tomography</i> , 2020, 44, 217-222.	0.5	1
1162	Striatal Dopamine and Reward Prediction Error Signaling in Unmedicated Schizophrenia Patients. <i>Schizophrenia Bulletin</i> , 2020, 46, 1535-1546.	2.3	40
1163	Prognostic value of pretreatment tumor-to-blood standardized uptake ratio (SUR) in rectal cancer. <i>Annals of Nuclear Medicine</i> , 2020, 34, 432-440.	1.2	3
1164	Human Bone Marrow Adipose Tissue is a Metabolically Active and Insulin-Sensitive Distinct Fat Depot. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2300-2310.	1.8	28
1165	Cortical microstructural correlates of astrocytosis in autosomal-dominant Alzheimer disease. <i>Neurology</i> , 2020, 94, e2026-e2036.	1.5	42
1166	Assessment of Split Renal Function Using a Combination of Contrast-Enhanced CT and Serum Creatinine Values for Glomerular Filtration Rate Estimation. <i>American Journal of Roentgenology</i> , 2020, 215, 142-147.	1.0	9
1167	Simplified protocol for whole-body Patlak parametric imaging with ¹⁸ F-FDG PET/CT: Feasibility and error analysis. <i>Medical Physics</i> , 2021, 48, 2160-2169.	1.6	19
1168	Total-Body Quantitative Parametric Imaging of Early Kinetics of ¹⁸ F-FDG. <i>Journal of Nuclear Medicine</i> , 2021, 62, 738-744.	2.8	50
1169	Radiopharmaceutical Delivery for Theranostics: Pharmacokinetics and Pharmacodynamics. <i>Seminars in Radiation Oncology</i> , 2021, 31, 12-19.	1.0	3
1170	Differential associations of dopamine synthesis capacity with the dopamine transporter and D2 receptor availability as assessed by PET in the living human brain. <i>NeuroImage</i> , 2021, 226, 117543.	2.1	9
1171	Analysis of Four-Dimensional Data for Total Body PET Imaging. <i>PET Clinics</i> , 2021, 16, 55-64.	1.5	8
1172	Comparison of blind deconvolution- and Patlak analysis-based methods for determining vascular permeability. <i>Microvascular Research</i> , 2021, 133, 104102.	1.1	2
1173	Is Patlak y-intercept a relevant metrics?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1287-1290.	3.3	5
1174	Clinical feasibility and impact of fully automated multiparametric PET imaging using direct Patlak reconstruction: evaluation of 103 dynamic whole-body ¹⁸ F-FDG PET/CT scans. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 837-850.	3.3	34
1175	Dopamine and Glutamate in Antipsychotic-Responsive Compared With Antipsychotic-Nonresponsive Psychosis: A Multicenter Positron Emission Tomography and Magnetic Resonance Spectroscopy Study (STRATA). <i>Schizophrenia Bulletin</i> , 2021, 47, 505-516.	2.3	51
1176	Fundamentals of Radiomics in Nuclear Medicine and Hybrid Imaging. , 2021, , 441-469.		1
1177	Elevated Dopamine Synthesis as a Mechanism of Cognitive Resilience in Aging. <i>Cerebral Cortex</i> , 2022, 32, 2762-2772.	1.6	12
1178	Signal intensity form of the Tofts model for quantitative analysis of prostate dynamic contrast enhanced MRI data. <i>Physics in Medicine and Biology</i> , 2021, 66, 025002.	1.6	3

#	ARTICLE	IF	CITATIONS
1179	Measurement of Eosinophil Kinetics In Vivo. <i>Methods in Molecular Biology</i> , 2021, 2241, 183-191.	0.4	0
1180	Understanding the brain uptake and permeability of small molecules through the BBB: A technical overview. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 0271678X2098594.	2.4	25
1181	Heterogeneity in insulin-stimulated glucose uptake among different muscle groups in healthy lean people and people with obesity. <i>Diabetologia</i> , 2021, 64, 1158-1168.	2.9	12
1182	Simultaneous measurements of myocardial glucose metabolism and extracellular volumes with hybrid PET/MRI using concurrent injections of Gd-DTPA and [18F]FDG. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 1304-1314.	1.4	5
1183	SUVs Are Adequate Measures of Lesional ¹⁸ F-DCFPyL Uptake in Patients with Low Prostate Cancer Disease Burden. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1264-1269.	2.8	2
1184	Striatal dopamine synthesis capacity in autism spectrum disorder and its relation with social defeat: an [18F]-FDOPA PET/CT study. <i>Translational Psychiatry</i> , 2021, 11, 47.	2.4	16
1185	Whole-body parametric [18F]-FDG PET/CT improves interpretation of a distant lesion as venous embolus in a lung cancer patient. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2047-2048.	3.3	3
1186	The neural substrates of risky rewards and losses in healthy volunteers and patient groups: a PET imaging study. <i>Psychological Medicine</i> , 2022, 52, 3280-3288.	2.7	6
1187	Value of Patlak Ki images from 18F-FDG-PET/CT for evaluation of the relationships between disease activity and clinical events in cardiac sarcoidosis. <i>Scientific Reports</i> , 2021, 11, 2729.	1.6	9
1188	Drug Occupancy Assessment at the Glucose-Dependent Insulinotropic Polypeptide Receptor by Positron Emission Tomography. <i>Diabetes</i> , 2021, 70, 842-853.	0.3	10
1189	Use of population input functions for reduced scan duration whole-body Patlak 18F-FDG PET imaging. <i>EJNMMI Physics</i> , 2021, 8, 11.	1.3	17
1190	Baseline Blood-Brain Barrier Leakage and Longitudinal Microstructural Tissue Damage in the Periphery of White Matter Hyperintensities. <i>Neurology</i> , 2021, 96, e2192-e2200.	1.5	22
1192	Sex-Related Differences in Regional Bloodâ€ Brain Barrier Integrity in Non-Demented Elderly Subjects. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2860.	1.8	20
1193	PET Molecular Imaging: A Holistic Review of Current Practice and Emerging Perspectives for Diagnosis, Therapeutic Evaluation and Prognosis in Clinical Oncology. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4159.	1.8	41
1194	A four-dimensional computational model of dynamic contrast-enhanced magnetic resonance imaging measurement of subtle blood-brain barrier leakage. <i>NeuroImage</i> , 2021, 230, 117786.	2.1	15
1195	Brain [F-18]FDG PET for Clinical Dementia Workup: Differential Diagnosis of Alzheimer's Disease and Other Types of Dementing Disorders. <i>Seminars in Nuclear Medicine</i> , 2021, 51, 230-240.	2.5	44
1196	Interactions between hippocampal activity and striatal dopamine in people at clinical high risk for psychosis: relationship to adverse outcomes. <i>Neuropsychopharmacology</i> , 2021, 46, 1468-1474.	2.8	25
1197	Quantitation of multiple injection dynamic PET scans: an investigation of the benefits of pooling data from separate scans when mapping kinetics. <i>Physics in Medicine and Biology</i> , 2021, 66, 135010.	1.6	4

#	ARTICLE	IF	CITATIONS
1198	Microglial activation and blood-brain barrier permeability in cerebral small vessel disease. <i>Brain</i> , 2021, 144, 1361-1371.	3.7	62
1199	Blood-brain barrier leakage at baseline and cognitive decline in cerebral small vessel disease: a 2-year follow-up study. <i>GeroScience</i> , 2021, 43, 1643-1652.	2.1	27
1200	Secretin activates brown fat and induces satiation. <i>Nature Metabolism</i> , 2021, 3, 798-809.	5.1	41
1201	Neanderthal-derived genetic variation in living humans relates to schizophrenia diagnosis, to psychotic symptom severity, and to dopamine synthesis. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2021, 186, 329-338.	1.1	11
1202	Astrocyte activation imaging with 11C-acetate and amyloid PET in mild cognitive impairment due to Alzheimer pathology. <i>Nuclear Medicine Communications</i> , 2021, 42, 1261-1269.	0.5	10
1203	Parkinson's disease multimodal imaging: F-DOPA PET, neuromelanin-sensitive and quantitative iron-sensitive MRI. <i>Npj Parkinson's Disease</i> , 2021, 7, 57.	2.5	31
1204	Quantitative CT perfusion imaging in patients with pancreatic cancer: a systematic review. <i>Abdominal Radiology</i> , 2022, 47, 3101-3117.	1.0	9
1205	Whole-Body Parametric Imaging of ¹⁸ F-FDG PET Using uEXPLORER with Reduced Scanning Time. <i>Journal of Nuclear Medicine</i> , 2022, 63, 622-628.	2.8	33
1206	Consideration of Metabolite Efflux in Radiolabelled Choline Kinetics. <i>Pharmaceutics</i> , 2021, 13, 1246.	2.0	5
1207	Short-time total-body dynamic PET imaging performance in quantifying the kinetic metrics of 18F-FDG in healthy volunteers. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 2493-2503.	3.3	23
1208	Generation of parametric K _i images for FDG PET using two 5-min scans. <i>Medical Physics</i> , 2021, 48, 5219-5231.	1.6	16
1209	A Generalized Linear modeling approach to bootstrapping multi-frame PET image data. <i>Medical Image Analysis</i> , 2021, 72, 102132.	7.0	3
1210	Quantifying cardiac sympathetic denervation: first studies of 18F-fluorohydroxyphenethylguanidines in cardiomyopathy patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 619-631.	3.3	4
1211	Drug Penetration into the Central Nervous System: Pharmacokinetic Concepts and In Vitro Model Systems. <i>Pharmaceutics</i> , 2021, 13, 1542.	2.0	18
1212	Feasibility and utility of MRI and dynamic 18F-FDG-PET in an orthotopic organoid-based patient-derived mouse model of endometrial cancer. <i>Journal of Translational Medicine</i> , 2021, 19, 406.	1.8	5
1213	Glucagon Like Peptide-1 receptor imaging in individuals with Type 2 Diabetes. <i>Journal of Nuclear Medicine</i> , 2021, , jnumed.121.262506.	2.8	2
1214	Dopaminergic Activity in Antipsychotic-Naïve Patients Assessed With Positron Emission Tomography Before and After Partial Dopamine D2 Receptor Agonist Treatment: Association With Psychotic Symptoms and Treatment Response. <i>Biological Psychiatry</i> , 2022, 91, 236-245.	0.7	14
1215	PET Imaging of brain muscarinic receptors with 18F-Fluorobenzyl-Dexetimide: A first in human study. <i>Psychiatry Research - Neuroimaging</i> , 2021, 316, 111354.	0.9	8

#	ARTICLE	IF	CITATIONS
1216	Motor Onset Topography and Progression in Parkinson's Disease: the Upper Limb Is First. Movement Disorders, 2021, 36, 905-915.	2.2	21
1217	Blood-brain barrier dysfunction significantly correlates with serum matrix metalloproteinase-7 (MMP-7) following traumatic brain injury. NeuroImage: Clinical, 2021, 31, 102741.	1.4	12
1218	4D deep image prior: dynamic PET image denoising using an unsupervised four-dimensional branch convolutional neural network. Physics in Medicine and Biology, 2021, 66, 015006.	1.6	38
1219	Tracking the progress of inflammation with PET/MRI in a canine model of myocardial infarction. Journal of Nuclear Cardiology, 2022, 29, 1315-1325.	1.4	4
1220	Young-Onset Parkinson Disease With and Without Parkin Gene Mutations. Archives of Neurology, 2003, 60, 713.	4.9	35
1222	Molecular Imaging and Applications for Pharmaceutical R&D. , 0, , 1211-1241.		3
1223	Neurochemical Imaging with Emission Tomography: Clinical Applications. , 2006, , 7-37.		3
1224	Imaging modalities: principles and information content. , 2005, 62, 15-81.		10
1225	Quantitative Assay Development for PET. , 2004, , 125-216.		12
1226	Molecular and Functional Imaging in Radiation Oncology. Cancer Treatment and Research, 2008, , 62-94.	0.2	3
1227	Principles of Quantitation in Cardiac PET. , 2007, , 46-70.		1
1228	Quantitation of Blood-Brain Barrier Permeability. , 1989, , 85-118.		37
1229	Pet Studies of Serotonin Synthesis in the Human Brain. Advances in Experimental Medicine and Biology, 1999, 467, 11-18.	0.8	21
1230	Effect of Huntingtonâ€™s and Alzheimerâ€™s Diseases on the Transport of Nicotinic Acid or Nicotinamide Across the Human Blood-Brain Barrier. Advances in Experimental Medicine and Biology, 1991, 294, 675-678.	0.8	22
1231	Contribution of Positron Emission Tomography to Pharmacokinetic Studies. , 1991, , 169-187.		2
1232	Brain [52FE]-Transferrin Uptake in Patients with Alzheimerâ€™s Disease and Healthy Subjects: A Positron Emission Tomography (PET) Study. , 1996, , 305-308.		1
1233	Imaging Neuroinflammation: Quantification of Astrocytosis in a Multitracer PET Approach. Methods in Molecular Biology, 2018, 1750, 231-251.	0.4	18
1234	Fetal Nigral Transplantation in Parkinsonâ€™s Disease. , 1998, , 19-30.		3

#	ARTICLE	IF	CITATIONS
1235	Positron Emission Tomography in Parkinson's Disease. , 2005, , 25-35.		2
1236	Positron Emission Tomography and Embryonic Dopamine Cell Transplantation in Parkinson's Disease. , 2005, , 45-57.		3
1237	Measuring the Integrity of the Human Blood-Brain Barrier Using Magnetic Resonance Imaging. Methods in Molecular Biology, 2011, 686, 229-245.	0.4	24
1238	Multiparametric Magnetic Resonance Imaging and Repeated Measurements of Blood-Brain Barrier Permeability to Contrast Agents. Methods in Molecular Biology, 2011, 686, 193-212.	0.4	21
1239	PET Imaging of Monoamine Oxidase B. , 2021, , 521-545.		4
1240	Nuclear Medicine Imaging of CNS: Basis and Clinical Applications. , 2015, , 595-670.		1
1241	Radiopharmaceuticals: Molecular Imaging using Positron Emission Tomography. Handbook of Experimental Pharmacology, 2008, , 177-201.	0.9	12
1242	Exact Parameter Determination for Parkinson's Disease Diagnosis with PET Using an Algebraic Approach. Lecture Notes in Computer Science, 2007, , 110-124.	1.0	4
1243	Transport and Metabolism of Glucose and FDG. , 2004, , 29-42.		2
1244	Serotonin Synthesis Studied with Positron Emission Tomography (PET). , 2014, , 687-709.		1
1245	Metabolism and Transport of Glucose and FDG. , 1999, , 43-57.		3
1246	Contribution of Positron Emission Tomography to Pharmacokinetic Studies. Handbook of Experimental Pharmacology, 1994, , 455-480.	0.9	2
1247	Functional Imaging of Blood Brain Barrier Permeability by Single Photon Emission Computerised Tomography and Positron Emission Tomography. Advances and Technical Standards in Neurosurgery, 1992, 19, 103-119.	0.2	2
1248	Pathophysiology of movement disorders studied using PET. Journal of Neural Transmission Supplementum, 1997, 50, 39-46.	0.5	13
1249	Investigation of the Dopamine System with Positron Emission Tomography: General Issues in Modelling. , 1991, , 65-83.		6
1251	[18F]Fluorodopa Uptake in Brain. , 1991, , 97-110.		5
1253	Applications of 3D PET. , 1998, , 133-167.		10
1254	Kinetic modeling and parametric imaging with dynamic PET for oncological applications: general considerations, current clinical applications, and future perspectives. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 21-39.	3.3	96

#	ARTICLE	IF	CITATIONS
1255	MRI of blood-brain barrier permeability in cerebral ischemia. <i>Translational Stroke Research</i> , 2012, 3, 56-64.	2.3	11
1256	Methodology for Statistical Parametric Mapping of [¹⁸ F]Fluorodopa Uptake Rate Using Three-Dimensional PET 1 1Transcripts of the BRAINPET97 discussion of this chapter can be found in Section VIII. , 1998, , 117-123.		2
1257	Quantitation of the [¹⁸ F]Fluorodopa Uptake in the Human Striata in 3D PET with the ETM Scatter Correction. , 1996, , 88-92.		5
1258	Tracer Kinetic Modeling via Basis Pursuit. , 2002, , 115-121.		4
1259	Reinventing Molecular Imaging with Total-Body PET, Part I. <i>PET Clinics</i> , 2020, 15, 427-438.	1.5	18
1260	Functional characterization of human brown adipose tissue metabolism. <i>Biochemical Journal</i> , 2020, 477, 1261-1286.	1.7	24
1261	14 Amyloid Imaging and (What is "Normal"?) Aging. , 2009, , 191-244.		2
1262	Kinetic Compartment Modeling of [¹¹ C]-5-Hydroxy-L-Tryptophan for Positron Emission Tomography Assessment of Serotonin Synthesis in Human Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, , 1352-1366.	2.4	12
1263	Strategy for the Formation of Parametric Images Under Conditions of Low Injected Radioactivity Applied to PET Studies With the Irreversible Monoamine Oxidase A Tracers [¹¹ C]Clorgyline and Deuterium-Substituted [¹¹ C]Clorgyline. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, , 1367-1376.	2.4	9
1264	Positron Emission Tomography Compartmental Models: A Basis Pursuit Strategy for Kinetic Modeling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, , 1425-1439.	2.4	79
1265	Effect of Dopamine Loss and the Metabolite 3-O-Methyl-[¹⁸ F]Fluoro-dopa on the Relation Between the ¹⁸ F-Fluorodopa Tissue Input Uptake Rate Constant K _{occ} and the [¹⁸ F]Fluorodopa Plasma Input Uptake Rate Constant K _i . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, , 301-309.	2.4	4
1266	On the Undecidability Among Kinetic Models: From Model Selection to Model Averaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, , 490-498.	2.4	40
1269	Metabolic Complexities in Cardiac Imaging. <i>Circulation</i> , 1995, 91, 2299-2301.	1.6	3
1270	Impaired Myocardial Tissue Perfusion Early After Successful Thrombolysis. <i>Circulation</i> , 1995, 92, 2072-2078.	1.6	142
1271	Glucose Uptake in the Chronically Dysfunctional but Viable Myocardium. <i>Circulation</i> , 1996, 93, 1658-1666.	1.6	121
1272	Only Hibernating Myocardium Invariably Shows Early Recovery After Coronary Revascularization. <i>Circulation</i> , 1996, 94, 308-315.	1.6	124
1273	¹⁸ F-2-Deoxyglucose Deposition and Regional Flow in Pigs With Chronically Dysfunctional Myocardium. <i>Circulation</i> , 1997, 95, 1900-1909.	1.6	138
1274	Insulin resistance of glucose uptake in skeletal muscle cannot be ameliorated by enhancing endothelium-dependent blood flow in obesity.. <i>Journal of Clinical Investigation</i> , 1998, 101, 1156-1162.	3.9	114

#	ARTICLE	IF	CITATIONS
1275	Glucose utilization in a patient with hepatoma and hypoglycemia. Assessment by a positron emission tomography.. Journal of Clinical Investigation, 1992, 89, 1958-1963.	3.9	61
1276	Compartmentation of hexokinase in rat heart. A critical factor for tracer kinetic analysis of myocardial glucose metabolism.. Journal of Clinical Investigation, 1992, 90, 1972-1977.	3.9	65
1277	Different alterations in the insulin-stimulated glucose uptake in the athlete's heart and skeletal muscle.. Journal of Clinical Investigation, 1994, 93, 2267-2274.	3.9	45
1278	Insulin action on heart and skeletal muscle glucose uptake in essential hypertension.. Journal of Clinical Investigation, 1995, 96, 1003-1009.	3.9	72
1279	Role of blood flow in regulating insulin-stimulated glucose uptake in humans. Studies using bradykinin, [15O]water, and [18F]fluoro-deoxy-glucose and positron emission tomography.. Journal of Clinical Investigation, 1996, 97, 1741-1747.	3.9	141
1280	Intravenous and oral copper kinetics, biodistribution and dosimetry in healthy humans studied by [64Cu]copper PET/CT. EJNMMI Radiopharmacy and Chemistry, 2020, 5, 15.	1.8	21
1281	[18F]Fluorodeoxyglucose Uptake in Neonatal Acute Lung Injury Measured by Positron Emission Tomography1. Pediatric Research, 1997, 41, 892-896.	1.1	22
1282	Vulnerability of the nigrostriatal system as detected by transcranial ultrasound. Neurology, 1999, 53, 1026-1026.	1.5	283
1283	Spatiotemporal Correlations between Blood-Brain Barrier Permeability and Apparent Diffusion Coefficient in a Rat Model of Ischemic Stroke. PLoS ONE, 2009, 4, e6597.	1.1	34
1284	Effects of Dopamine D2 Receptor Partial Agonist Antipsychotic Aripiprazole on Dopamine Synthesis in Human Brain Measured by PET with L-[^{11}C]DOPA. PLoS ONE, 2012, 7, e46488.	1.1	31
1285	IRC-082451, a Novel Multitargeting Molecule, Reduces L-DOPA-Induced Dyskinesias in MPTP Parkinsonian Primates. PLoS ONE, 2013, 8, e52680.	1.1	15
1286	Decreased Brain Neurokinin-1 Receptor Availability in Chronic Tennis Elbow. PLoS ONE, 2016, 11, e0161563.	1.1	2
1287	Kinetic Modeling and Graphical Analysis of 18F-Fluoromethylcholine (FCho), 18F-Fluoroethyltyrosine (FET) and 18F-Fluorodeoxyglucose (FDG) PET for the Discrimination between High-Grade Glioma and Radiation Necrosis in Rats. PLoS ONE, 2016, 11, e0161845.	1.1	17
1288	Femoral Bone Marrow Insulin Sensitivity Is Increased by Resistance Training in Elderly Female Offspring of Overweight and Obese Mothers. PLoS ONE, 2016, 11, e0163723.	1.1	10
1289	Evolution of blood-brain-barrier permeability after acute ischemic stroke. PLoS ONE, 2017, 12, e0171558.	1.1	127
1290	Imaging of brain glucose uptake by PET in obesity and cognitive dysfunction: life-course perspective. Endocrine Connections, 2019, 8, R169-R183.	0.8	17
1291	Ornamental plants architectural characteristics in relation to visual sensory attributes: a new approach on the rose bush for objective evaluation of the visual quality. European Journal of Horticultural Science, 2018, 83, 187-201.	0.3	6
1292	Machine learning for semi-automated classification of glioblastoma, brain metastasis and central nervous system lymphoma using magnetic resonance advanced imaging. Annals of Translational Medicine, 2019, 7, 232-232.	0.7	44

#	ARTICLE	IF	CITATIONS
1293	Unidirectional Influx and Net Accumulation of PIB. Open Neuroimaging Journal, 2008, 2, 114-125.	0.2	53
1294	Machine learning for radiomics-based multimodality and multiparametric modeling. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2019, 63, 323-338.	0.4	33
1295	Scientific basis and validation. , 2007, , 15-46.		5
1296	Magnetic Resonance Perfusion Imaging in the Diagnosis of High-Grade Glioma Progression and Treatment-Related Changes: A Systematic Review. Open Journal of Modern Neurosurgery, 2018, 08, 282-305.	0.0	4
1297	Optimising Graphical Techniques Applied to Irreversible Tracers. , 2018, , .		1
1298	Comparison of different quantification methods for 18F-fluorodeoxyglucose-positron emission tomography studies in rat brains. Clinics, 2019, 74, e1273.	0.6	6
1299	The effect of perinatal brain injury on dopaminergic function and hippocampal volume in adult life. ELife, 2017, 6, .	2.8	26
1300	Onset pattern of nigrostriatal denervation in early Parkinson's disease. Brain, 2022, 145, 1018-1028.	3.7	22
1301	The utilization of positron emission tomography in the evaluation of renal health and disease. Clinical and Translational Imaging, 0, , 1.	1.1	4
1302	Accelerated brain tumor dynamic contrast-enhanced MRI using Adaptive Pharmacokinetic Model Constrained method. International Journal of Imaging Systems and Technology, 0, , .	2.7	0
1303	Assessment of glomerular filtration rate measurement in dogs using dynamic contrast CT compared to serum iohexol clearance. Veterinary Radiology and Ultrasound, 2021, , .	0.4	1
1304	Healthy Kidney Segmentation in the Dce-Mr Images Using a Convolutional Neural Network and Temporal Signal Characteristics. Sensors, 2021, 21, 6714.	2.1	5
1305	Neurochemical Imaging with Emission Tomography: Clinical Applications. , 2000, , 7-35.		1
1306	Determination of 6-[18F]Fluoro-l-dopa Metabolites. , 2001, , 179-186.		0
1307	Special Characteristics of 6-Fluorodopa Can Cause Biased Estimates of DOPA Decarboxylation and Dopamine Loss Rates. , 2001, , 187-191.		0
1308	Comparative Analysis of Striatal FDOPA Uptake in Parkinson's Disease. , 2002, , 285-289.		1
1309	Patterns of Distribution of [18F]6-Fluoro-l-m-Tyrosine in PET Images of Patients with Movement Disorders. , 2002, , 291-301.		0
1310	Use of MM Algorithm for Regularization of Parametric Images in Dynamic PET. , 2002, , 107-114.		1

#	ARTICLE	IF	CITATIONS
1312	Techniques for Parametric Imaging. , 2008, , 137-IX.		6
1315	PET in Cardiovascular Diseases. , 2013, , 255-331.		0
1317	Imaging in Drug Development. Cancer Drug Discovery and Development, 2014, , 731-746.	0.2	0
1318	Hybrid Imaging: From Anatomy to Function. , 2014, , 51-79.		0
1319	Lung Imaging. , 2014, , 1056-1065.		0
1320	Quantification in Brain SPECT: Noninvasive Cerebral Blood Flow Measurements Using 99mTc-Labeled Tracers. , 2014, , 75-91.		1
1321	Modelle zur Quantifizierung von PET-Messungen. , 1989, , 30-67.		0
1322	Characterisation of Parkinson's disease using positron emission tomography. New Vistas in Drug Research, 1990, , 59-69.	0.1	0
1323	PET scanning and Parkinson's disease. , 1990, , 87-97.		0
1324	The integrity of the dopaminergic system in patients with multiple system atrophy and pure autonomic failure studied with PET. , 1990, , 109-117.		0
1325	Patterns of Cerebral Metabolism in Degenerative Dementia. , 1990, , 121-128.		1
1326	Quantitative measurement of regional cerebral blood flow using 99mTc-HM-PAO SPECT.. Nosotchu, 1994, 16, 334-340.	0.0	0
1327	Positron Emission Tomography Characterization of the Myocardium in Hypertrophic Cardiomyopathy. Developments in Cardiovascular Medicine, 1995, , 137-148.	0.1	0
1328	A Graphical Method of Determining Tracer Influx Constants in the Presence of Labeled Metabolites. , 1996, , 312-316.		0
1329	Fluorodopa Positron Emission Tomography with an Inhibitor of Catechol-O-methyltransferase. , 1996, , 232-236.		2
1330	Comparison of Ratio and Slope-Intercept Plot-Based Images of [18F]Fluoro-L-DOPA Uptake in Human Brain. , 1996, , 237-242.		0
1331	Feasibility of the Noninvasive Evaluation of Glucose Uptake in Skeletal Muscle Using 18F-Fluorodeoxyglucose and a Probe. , 1997, , 409-412.		0
1332	Stoffwechsel und Transport von Glucose und FDG. , 1998, , 31-45.		1

#	ARTICLE	IF	CITATIONS
1333	Positron Emission Tomography in Oncology. , 1998, , 185-198.		0
1334	Kinetic Modeling: Achieving Computer Platform Independence with Java. , 1998, , 353-356.		0
1335	Current Tumor Imaging Agents. , 1999, , 401-414.		0
1336	Comparative Analysis of Kinetic Models to Study Glucose Metabolism of the Brain. , 1999, , 105-110.		0
1337	Preclinical Evaluations of Cardiac Sympathetic Innervation Radiotracers. , 2015, , 201-234.		1
1338	An Overview of PET Studies of the Cerebral Uptake of Amino Acids. , 2015, , 339-355.		0
1340	Allergic Non-Asthmatic Adults Have Regional Pulmonary Responses to Segmental Allergen Challenge. PLoS ONE, 2015, 10, e0143976.	1.1	1
1342	Extravascular Contrast Agents. , 2018, , 91-130.		0
1343	CIRI After Early Recanalization. Springer Series in Translational Stroke Research, 2018, , 43-56.	0.1	0
1345	Evaluation of Blood-Brain Barrier Permeability and Integrity in Juvenile Rodents: Dynamic Contrast-Enhanced (DCE), Magnetic Resonance Imaging (MRI), and Evans Blue Extravasation. Neuromethods, 2019, , 299-314.	0.2	1
1347	Quantification of haematomyocardial barrier permeability for polyacetate complexes of Gd in ischaemic and inflammatory myocardial damage. Medical Visualization, 2019, , 72-86.	0.1	0
1348	CT Perfusion Techniques and Applications in Stroke and Cancer. , 2020, , 347-365.		6
1349	CT Myocardial Perfusion Imaging. , 2020, , 367-393.		1
1351	Alzheimer Dementia and Microvascular Pathology: Blood-Brain Barrier Permeability Imaging. Journal of the Korean Society of Radiology, 2020, 81, 488.	0.1	3
1352	Clinically Translatable Direct Patlak Reconstruction from Dynamic PET with Motion Correction Using Convolutional Neural Network. Lecture Notes in Computer Science, 2020, , 793-802.	1.0	3
1353	Physical and Physiological Principles of Perfusion and Permeability. Advances in Magnetic Resonance Technology and Applications, 2020, , 269-294.	0.0	0
1354	Effects of average reward rate on vigor as a function of individual variation in striatal dopamine. Psychopharmacology, 2022, 239, 465-478.	1.5	9
1355	[123I]-Altoprane SPECT. , 2005, , 37-44.		0

#	ARTICLE	IF	CITATIONS
1356	Transferring Whole Blood Time Activity Curve to Plasma in Rodents Using Blood-Cell-Two-Compartment Model. , 2008, , 169-178.		0
1357	Positron emission tomography imaging of transplant function. <i>Neurotherapeutics</i> , 2004, 1, 482-491.	2.1	0
1358	Positron emission tomography and single-photon emission computed tomography in central nervous system drug development. <i>Neurotherapeutics</i> , 2005, 2, 226-236.	2.1	0
1359	A novel PET tracer 18F-deoxy-thiamine: synthesis, metabolic kinetics, and evaluation on cerebral thiamine metabolism status. <i>EJNMMI Research</i> , 2020, 10, 126.	1.1	1
1362	Regional, kinetic [(18)F]FDG PET imaging of a unilateral Parkinsonian animal model. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 3, 129-41.	1.0	9
1363	How to design PET experiments to study neurochemistry: application to alcoholism. <i>Yale Journal of Biology and Medicine</i> , 2014, 87, 33-54.	0.2	8
1364	Magnetic Resonance Imaging of Stroke in the Rat. Bopuxue Zazhi, 2014, 31, 116-132.	1.0	5
1365	Hepatic metabolism of C-methionine and secretion of C-protein measured by PET in pigs. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 7, 167-173.	1.0	1
1366	Ga-PSMA-11 PET/CT in prostate cancer local recurrence: impact of early images and parametric analysis. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 8, 351-359.	1.0	9
1367	Receptor depletion and recovery in small-intestinal neuroendocrine tumors and normal tissues after administration of a single intravenous dose of octreotide measured by 68Ga-DOTATOC PET/CT. <i>EJNMMI Research</i> , 2021, 11, 118.	1.1	8
1368	Comparison of Transcranial Sonography and [¹⁸ F]â€Fluorodopa PET Imaging in GBA1 Mutation Carriers. <i>Movement Disorders</i> , 2022, 37, 629-634.	2.2	5
1369	The pathophysiology of Wilsonâ€™s disease visualized: A human 64Cu PET study. <i>Hepatology</i> , 2022, 75, 1461-1470.	3.6	15
1370	Parametric Imaging With Dynamic PET for Oncological Applications: Protocols, Interpretation, Current Applications and Limitations for Clinical Use. <i>Seminars in Nuclear Medicine</i> , 2022, 52, 312-329.	2.5	10
1371	Short 2-[18F]Fluoro-2-Deoxy-D-Glucose PET Dynamic Acquisition Protocol to Evaluate the Influx Rate Constant by Regional Patlak Graphical Analysis in Patients With Non-Small-Cell Lung Cancer. <i>Frontiers in Medicine</i> , 2021, 8, 725387.	1.2	3
1372	Clinical correlation but no elevation of striatal dopamine synthesis capacity in two independent cohorts of medication-free individuals with schizophrenia. <i>Molecular Psychiatry</i> , 2022, 27, 1241-1247.	4.1	7
1373	[18F] Sodium Fluoride PET Kinetic Parameters in Bone Imaging. <i>Tomography</i> , 2021, 7, 843-854.	0.8	8
1374	First results on kinetic modelling and parametric imaging of dynamic 18F-FDG datasets from a long Axial FOV PET scanner in oncological patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 1997-2009.	3.3	45
1375	Nested Parametric Image Reconstruction using Time-of-Flight PET Histoimages. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
1376	Improved Patlak Reconstruction from Low-dose Dynamic PET Using Temporal Non-local Neural Network. , 2020, , .		0
1377	Associations among locus coeruleus catecholamines, tau pathology, and memory in aging. <i>Neuropsychopharmacology</i> , 2022, 47, 1106-1113.	2.8	27
1378	Neuroimaging Prediction of Hemorrhagic Transformation for Acute Ischemic Stroke. <i>Cerebrovascular Diseases</i> , 2022, 51, 542-552.	0.8	7
1379	Frontostriatothalamic effective connectivity and dopaminergic function in the psychosis continuum. <i>Brain</i> , 2023, 146, 372-386.	3.7	15
1380	Dynamic whole-body FDG-PET imaging for oncology studies. <i>Clinical and Translational Imaging</i> , 2022, 10, 249-258.	1.1	2
1381	Quantitative renal magnetic resonance imaging: magnetic resonance urography. <i>Pediatric Radiology</i> , 2022, 52, 228-248.	1.1	11
1382	Critical Review of the simple theoretical models in Dynamic Imaging: Up-Slope Method and Graphical Analysis. <i>Current Radiopharmaceuticals</i> , 2022, 15, .	0.3	0
1383	Effect of obstructive sleep apnea on glucose metabolism. <i>European Journal of Endocrinology</i> , 2022, 186, 457-467.	1.9	7
1384	In Vivo Imaging of Brown Adipose Tissue in Humans: FDG-PET/CT and Beyond. <i>Methods in Molecular Biology</i> , 2022, 2448, 283-289.	0.4	1
1385	Quantitative Analysis of DCE and DSC-MRI: From Kinetic Modeling to Deep Learning. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2022, , .	0.7	0
1386	Dynamic ⁶⁸ Ga-DOTATATE PET/MRI in the Diagnosis and Management of Intracranial Meningiomas. <i>Radiology Imaging Cancer</i> , 2022, 4, e210067.	0.7	6
1387	Principles of Tracer Kinetic Analysis in Oncology, Part I: Principles and Overview of Methodology. <i>Journal of Nuclear Medicine</i> , 2022, 63, 342-352.	2.8	13
1388	Normal values for ¹⁸ F-FDG uptake in organs and tissues measured by dynamic whole body multiparametric FDG PET in 126 patients. <i>EJNMMI Research</i> , 2022, 12, 15.	1.1	17
1389	Abbreviated scan protocols to capture ¹⁸ F-FDG kinetics for long axial FOV PET scanners. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 3215-3225.	3.3	21
1390	Comparative analysis of striatal [¹⁸ F]FDOPA uptake in a partial lesion model of Parkinson's disease in rats: Ratio method versus graphical model. <i>Synapse</i> , 2022, , .	0.6	0
1391	Hepatic Positron Emission Tomography: Applications in Metabolism, Haemodynamics and Cancer. <i>Metabolites</i> , 2022, 12, 321.	1.3	1
1392	Cerebral [¹⁸ F]-FDOPA Uptake in Autism Spectrum Disorder and Its Association with Autistic Traits. <i>Diagnostics</i> , 2021, 11, 2404.	1.3	6
1394	Imaging subtle leaks in the blood-brain barrier in the aging human brain: potential pitfalls, challenges, and possible solutions. <i>GeroScience</i> , 2022, 44, 1339-1351.	2.1	17

#	ARTICLE	IF	CITATIONS
1395	Estimation of Cumulative Activity of ¹⁷⁷ Lu-Cetuximab from a Single Diagnostic ⁶⁴ Cu-Cetuximab Scan. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2022, , .	0.7	1
1396	Radiogenomic analysis of primary breast cancer reveals [18F]-fluorodeoxyglucose dynamic flux-constants are positively associated with immune pathways and outperform static uptake measures in associating with glucose metabolism. <i>Breast Cancer Research</i> , 2022, 24, 34.	2.2	7
1398	The Hyperintense study: Assessing the effects of induced blood pressure increase and decrease on MRI markers of cerebral small vessel disease: Study rationale and protocol. <i>European Stroke Journal</i> , 2022, 7, 331-338.	2.7	2
1399	MINocyclinE to Reduce inflammation and blood brain barrier leakage in small Vessel diseAse (MINERVA) trial study protocol. <i>European Stroke Journal</i> , 2022, 7, 323-330.	2.7	7
1400	Selective brain entry of lipid nanoparticles in haemorrhagic stroke is linked to biphasic blood-brain barrier disruption. <i>Theranostics</i> , 2022, 12, 4477-4497.	4.6	7
1401	Direct inference of Patlak parametric images in whole-body PET/CT imaging using convolutional neural networks. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 4048-4063.	3.3	7
1403	Application of Dynamic ¹⁸ F-FDG PET/CT for Distinguishing Intrapulmonary Metastases from Synchronous Multiple Primary Lung Cancer. <i>Molecular Imaging</i> , 2022, 2022, .	0.7	2
1405	The Relationship Between Frontostratial Connectivity and Striatal Dopamine Function in Schizophrenia: An 18F-DOPA PET and Diffusion Tensor Imaging Study in Treatment Responsive and Resistant Patients. <i>Psychiatry Investigation</i> , 2022, 19, 570-579.	0.7	6
1406	Negative symptoms, striatal dopamine and model-free reward decision-making in schizophrenia. <i>Brain</i> , 2023, 146, 767-777.	3.7	5
1407	Striatal dopamine dissociates methylphenidate effects on value-based versus surprise-based reversal learning. <i>Nature Communications</i> , 2022, 13, .	5.8	9
1408	Modeling Bloodâ€ Brain Barrier Permeability to Solutes and Drugs In Vivo. <i>Pharmaceutics</i> , 2022, 14, 1696.	2.0	3
1409	Clinical validation of a population-based input function for 20-min dynamic whole-body 18F-FDG multiparametric PET imaging. <i>EJNMMI Physics</i> , 2022, 9, .	1.3	11
1410	Short-time-window Patlak imaging using a population-based arterial input function and optimized Bayesian penalized likelihood reconstruction: a feasibility study. <i>EJNMMI Research</i> , 2022, 12, .	1.1	0
1411	Molecular pathways. , 2023, , 121-138.		0
1412	Comparison between a dual-time-window protocol and other simplified protocols for dynamic total-body 18F-FDG PET imaging. <i>EJNMMI Physics</i> , 2022, 9, .	1.3	7
1413	Population-based input function (PBIF) applied to dynamic whole-body 68Ga-DOTATOC-PET/CT acquisition. <i>Frontiers in Nuclear Medicine</i> , 0, 2, .	0.7	1
1414	High-fructose feeding suppresses cold-stimulated brown adipose tissue glucose uptake independently of changes in thermogenesis and the gut microbiome. <i>Cell Reports Medicine</i> , 2022, 3, 100742.	3.3	12
1415	Locus coeruleus catecholamines link neuroticism and vulnerability to tau pathology in aging. <i>NeuroImage</i> , 2022, 263, 119658.	2.1	4

#	ARTICLE	IF	CITATIONS
1416	Dynamic ¹⁸ F-FDG PET demonstration of functional brain abnormalities. Annals of Clinical and Translational Neurology, 2022, 9, 1487-1497.	1.7	3
1417	Patlak plot based on the first 30 minutes post-injection dynamic ¹⁸ F-florbetaben positron emission tomography scan separates amyloid- β positive from negative studies. British Journal of Radiology, 2022, 95, .	1.0	2
1418	Motion Correction for Direct Whole Body Parametric PET with Symmetric and Inverse Consistent Deformable Image Registration. , 2021, , .		0
1419	Spatiotemporal patterns of putaminal dopamine processing in Parkinson's disease: A multi-tracer positron emission tomography study. NeuroImage: Clinical, 2022, 36, 103246.	1.4	0
1420	Shortened duration whole body ¹⁸ F-FDG PET Patlak imaging on the Biograph Vision Quadra PET/CT using a population-averaged input function. EJNMMI Physics, 2022, 9, .	1.3	11
1422	Evaluation of Intraperitoneal [¹⁸ F]-FDOPA Administration for Micro-PET Imaging in Mice and Assessment of the Effect of Subchronic Ketamine Dosing on Dopamine Synthesis Capacity. Molecular Imaging, 2022, 2022, .	0.7	3
1423	⁶⁴ Cu- ¹⁷⁷ Lu-Cetuximab Theranostic Pair: May the Single ⁶⁴ Cu-Cetuximab Diagnostic Scan Be Acquired at Any Time After Injection?. Cancer Biotherapy and Radiopharmaceuticals, 0, , .	0.7	0
1424	Obesity risk is associated with brain glucose uptake and insulin resistance. European Journal of Endocrinology, 2022, 187, 917-928.	1.9	5
1425	Advances in molecular neuroimaging methodology. , 2023, , 53-66.		0
1427	Increased Striatal Presynaptic Dopamine in a Nonhuman Primate Model of Maternal Immune Activation: A Longitudinal Neurodevelopmental Positron Emission Tomography Study With Implications for Schizophrenia. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 505-513.	1.1	0
1429	Aberrant L-Fucose Accumulation and Increased Core Fucosylation Are Metabolic Liabilities in Mesenchymal Glioblastoma. Cancer Research, 2023, 83, 195-218.	0.4	5
1430	Clinical and neuroimaging markers of neurodegeneration in first-degree relatives of patients with REM sleep behavior disorder with and without isolated rapid eye movement sleep without atonia: A case-control clinical and dopamine PET study. Parkinsonism and Related Disorders, 2022, , 105271.	1.1	0
1431	Input function and modeling for determining bone metabolic flux using [¹⁸ F] sodium fluoride PET imaging: A step-by-step guide. Medical Physics, 2023, 50, 2071-2088.	1.6	5
1432	Imaging Diverse Pathogenic Bacteria In Vivo with ¹⁸ F-Fluoromannitol PET. Journal of Nuclear Medicine, 2023, 64, 809-815.	2.8	6
1433	The valuable role of dynamic ¹⁸ F-FDG PET/CT-derived kinetic parameter K_{in} in patients with nasopharyngeal carcinoma prior to radiotherapy: a prospective study. Radiotherapy and Oncology, 2022, , 109440.	0.3	1
1435	Diagnostic value of dynamic ¹⁸ F-FDG PET/CT imaging in non-small cell lung cancer and FDG hypermetabolic lymph nodes. Quantitative Imaging in Medicine and Surgery, 2023, 13, 2556-2567.	1.1	4
1436	Sex-based differences of antioxidant enzyme nanoparticle effects following traumatic brain injury. Journal of Controlled Release, 2023, 355, 149-159.	4.8	6
1437	Secretin modulates appetite via brown adipose tissue-brain axis. European Journal of Nuclear Medicine and Molecular Imaging, 2023, 50, 1597-1606.	3.3	4

#	ARTICLE	IF	CITATIONS
1438	Four-dimensional quantitative analysis using FDG-PET in clinical oncology. Japanese Journal of Radiology, 2023, 41, 831-842.	1.0	4
1439	Evaluation of optimal acquisition delays of DECT iodine maps in pancreatic adenocarcinoma: A potential alternative to the Patlak model of CT perfusion. Heliyon, 2023, 9, e14726.	1.4	0
1440	Pharmacokinetics and Modeling. , 2023, , 291-302.		0
1441	An automatic analysis framework for FDOPA PET neuroimaging. Journal of Cerebral Blood Flow and Metabolism, 0, , 0271678X2311686.	2.4	1
1442	Evidence for absence of links between striatal dopamine synthesis capacity and working memory capacity, spontaneous eye-blink rate, and trait impulsivity. ELife, 0, 12, .	2.8	3
1443	Long axial field of view (LAFOV) PET-CT: implementation in static and dynamic oncological studies. European Journal of Nuclear Medicine and Molecular Imaging, 2023, 50, 3354-3362.	3.3	7
1458	Quantitation of dynamic total-body PET imaging: recent developments and future perspectives. European Journal of Nuclear Medicine and Molecular Imaging, 2023, 50, 3538-3557.	3.3	2
1477	Gadolinium-Based Functional MR Urography: From Image Acquisition to Interpretation. , 2023, , 317-329.		0
1480	Kinetic Modeling Methods in Preclinical Positron Emission Tomography Imaging. Methods in Molecular Biology, 2024, , 441-455.	0.4	0
1484	Advances and challenges in measuring hepatic glucose uptake with FDG PET: implications for diabetes research. Diabetologia, 2024, 67, 407-419.	2.9	0
1496	Imaging Neuroinflammation: Quantification of Astrocytosis in a Multitracer PET Approach. Methods in Molecular Biology, 2024, , 195-218.	0.4	0