

Kjell Ngren

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170
papers

8,926
citations

53
h-index

88
g-index

180
ext. papers

9,762
ext. citations

5
avg, IF

5.22
L-index

#	Paper	IF	Citations
170	EANM procedure guidelines for PET brain imaging using [18F]FDG, version 2. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 2103-10	8.8	377
169	Age-related dopamine D2/D3 receptor loss in extrastriatal regions of the human brain. <i>Neurobiology of Aging</i> , 2000 , 21, 683-8	5.6	273
168	Frontal and temporal dopamine release during working memory and attention tasks in healthy humans: a positron emission tomography study using the high-affinity dopamine D2 receptor ligand [11C]FLB 457. <i>Journal of Neuroscience</i> , 2005 , 25, 2471-7	6.6	234
167	Regional analysis of FDG and PIB-PET images in normal aging, mild cognitive impairment, and Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008 , 35, 2169-81	8.8	217
166	EANM procedure guidelines for brain neurotransmission SPECT using (123)I-labelled dopamine transporter ligands, version 2. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 443-50	8.8	208
165	Striatal D2 dopamine receptor binding characteristics in vivo in patients with alcohol dependence. <i>Psychopharmacology</i> , 1994 , 116, 285-90	4.7	203
164	Trimetazidine, a metabolic modulator, has cardiac and extracardiac benefits in idiopathic dilated cardiomyopathy. <i>Circulation</i> , 2008 , 118, 1250-8	16.7	186
163	Striatal dopamine D1 and D2 receptors in burning mouth syndrome. <i>Pain</i> , 2003 , 101, 149-54	8	186
162	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, 112-8	9.4	184
161	Assessment of beta-amyloid in a frontal cortical brain biopsy specimen and by positron emission tomography with carbon 11-labeled Pittsburgh Compound B. <i>Archives of Neurology</i> , 2008 , 65, 1304-9		179
160	Discrepancies in brain tumor extent as shown by computed tomography and positron emission tomography using [68Ga]EDTA, [11C]glucose, and [11C]methionine. <i>Journal of Computer Assisted Tomography</i> , 1983 , 7, 1062-6	2.2	176
159	Myocardial efficiency during levosimendan infusion in congestive heart failure. <i>Clinical Pharmacology and Therapeutics</i> , 2000 , 68, 522-31	6.1	174
158	Free fatty acid depletion acutely decreases cardiac work and efficiency in cardiomyopathic heart failure. <i>Circulation</i> , 2006 , 114, 2130-7	16.7	173
157	Decrease in human striatal dopamine D2 receptor density with age: a PET study with [11C]raclopride. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993 , 13, 310-4	7.3	162
156	Altered dopamine D2 receptor binding in atypical facial pain. <i>Pain</i> , 2003 , 106, 43-8	8	152
155	A European multicentre PET study of fibrillar amyloid in Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013 , 40, 104-14	8.8	148
154	C957T polymorphism of dopamine D2 receptor gene affects striatal DRD2 in vivo availability by changing the receptor affinity. <i>Synapse</i> , 2009 , 63, 907-12	2.4	136

153	Increased brain fatty acid uptake in metabolic syndrome. <i>Diabetes</i> , 2010 , 59, 2171-7	0.9	132
152	Increased caudate dopamine D2 receptor availability as a genetic marker for schizophrenia. <i>Archives of General Psychiatry</i> , 2005 , 62, 371-8		127
151	Decreased brain serotonin 5-HT1A receptor availability in medication-naive patients with major depressive disorder: an in-vivo imaging study using PET and [carbonyl-11C]WAY-100635. <i>International Journal of Neuropsychopharmacology</i> , 2008 , 11, 465-76	5.8	126
150	Sex differences in extrastriatal dopamine d(2)-like receptors in the human brain. <i>American Journal of Psychiatry</i> , 2001 , 158, 308-11	11.9	125
149	Fatty acid metabolism in the liver, measured by positron emission tomography, is increased in obese individuals. <i>Gastroenterology</i> , 2010 , 139, 846-56, 856.e1-6	13.3	111
148	Dopamine D2 receptor binding in the human brain is associated with the response to painful stimulation and pain modulatory capacity. <i>Pain</i> , 2002 , 99, 273-9	8	108
147	Increased fibrillar amyloid- β burden in normal individuals with a family history of late-onset Alzheimer's. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5949-54	11.5	107
146	EANM procedure guideline for brain perfusion SPECT using 99mTc-labelled radiopharmaceuticals, version 2. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 2093-102	8.8	105
145	Effects of intravenous glucose on dopaminergic function in the human brain in vivo. <i>Synapse</i> , 2007 , 61, 748-56	2.4	103
144	Regional effects of donepezil and rivastigmine on cortical acetylcholinesterase activity in Alzheimer's disease. <i>Journal of Clinical Psychopharmacology</i> , 2002 , 22, 615-20	1.7	101
143	Expectation of caffeine induces dopaminergic responses in humans. <i>European Journal of Neuroscience</i> , 2004 , 19, 2352-6	3.5	97
142	Precursor synthesis and radiolabelling of the dopamine D2 receptor ligand [11C]raclopride from [11C]methyl triflate. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1999 , 42, 1183-1193	1.9	97
141	C957T polymorphism of the human dopamine D2 receptor gene predicts extrastriatal dopamine receptor availability in vivo. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009 , 33, 630-6	5.5	94
140	Increased density of dopamine D2 receptors in the putamen, but not in the caudate nucleus in early Parkinson's disease: a PET study with [11C]raclopride. <i>Journal of the Neurological Sciences</i> , 1995 , 132, 156-61	3.2	93
139	Myocardial efficiency during calcium sensitization with levosimendan: a noninvasive study with positron emission tomography and echocardiography in healthy volunteers. <i>Clinical Pharmacology and Therapeutics</i> , 1997 , 61, 596-607	6.1	92
138	Metabolic characterization of childhood brain tumors: comparison of 18F-fluorodeoxyglucose and 11C-methionine positron emission tomography. <i>Cancer</i> , 2002 , 95, 1376-86	6.4	91
137	Improved synthesis of some commonly used PET radioligands by the use of [11C]methyl triflate. <i>Nuclear Medicine and Biology</i> , 1995 , 22, 235-9	2.1	86
136	Reduced myocardial carbon-11 hydroxyephedrine retention is associated with poor prognosis in chronic heart failure. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2001 , 28, 373-6		79

135	ET-22CONVECTION-ENHANCED DELIVERY OF THE AUGER-ELECTRON-EMITTER 125I-UdR: A HIGHLY EFFICIENT THERAPY IN AN ORTHOTOPIC GLIOBLASTOMA XENOGRAFT MODEL. <i>Neuro-Oncology</i> , 2014 , 16, v84-v84	1	78
134	Decreased myocardial free fatty acid uptake in patients with idiopathic dilated cardiomyopathy: evidence of relationship with insulin resistance and left ventricular dysfunction. <i>Journal of Cardiac Failure</i> , 2006 , 12, 644-52	3.3	78
133	Research letter: Psychotherapy increases brain serotonin 5-HT1A receptors in patients with major depressive disorder. <i>Psychological Medicine</i> , 2010 , 40, 523-8	6.9	77
132	Receptor binding of N-(methyl-11C) clozapine in the brain of rhesus monkey studied by positron emission tomography (PET). <i>Psychopharmacology</i> , 1986 , 89, 248-52	4.7	77
131	Cortical glutamate-dopamine interaction and ketamine-induced psychotic symptoms in man. <i>Psychopharmacology</i> , 2005 , 182, 375-83	4.7	74
130	Measurement of striatal D2 dopamine receptor density and affinity with [11C]-raclopride in vivo: a test-retest analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999 , 19, 210-7	7.3	69
129	Brain serotonin 1A receptor binding in bulimia nervosa. <i>Biological Psychiatry</i> , 2004 , 55, 871-3	7.9	67
128	Striatal dopamine D2/D3 receptor availability correlates with individual response characteristics to pain. <i>European Journal of Neuroscience</i> , 2004 , 20, 1587-92	3.5	66
127	Prolonged central mu-opioid receptor occupancy after single and repeated nalmefene dosing. <i>Neuropsychopharmacology</i> , 2005 , 30, 2245-53	8.7	66
126	[(11C)PIB-, [(18F)FDG-PET and MRI imaging in patients with Parkinson's disease with and without dementia. <i>Parkinsonism and Related Disorders</i> , 2010 , 16, 666-70	3.6	62
125	Measurement of striatal and extrastriatal dopamine transporter binding with high-resolution PET and [11C]PE2I: quantitative modeling and test-retest reproducibility. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 1059-69	7.3	60
124	Carbon 11-labeled pittsburgh compound B positron emission tomographic amyloid imaging in patients with APP locus duplication. <i>Archives of Neurology</i> , 2008 , 65, 540-4		59
123	Temperament, character and serotonin activity in the human brain: a positron emission tomography study based on a general population cohort. <i>Psychological Medicine</i> , 2013 , 43, 881-94	6.9	58
122	Ketamine does not decrease striatal dopamine D2 receptor binding in man. <i>Psychopharmacology</i> , 2002 , 164, 401-6	4.7	58
121	Measurement of serotonin 5-HT1A receptor binding using positron emission tomography and [carbonyl-(11C)WAY-100635-considerations on the validity of cerebellum as a reference region. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 185-95	7.3	57
120	Measurement of central mu-opioid receptor binding in vivo with PET and [11C]carfentanil: a test-retest study in healthy subjects. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 275-86	8.8	55
119	PET examination of the monoamine transporter with [11C]beta-CIT and [11C]beta-CFT in early Parkinson's disease. <i>Synapse</i> , 1995 , 21, 97-103	2.4	55
118	Comparison of [11C]methyl triflate and [11C]methyl iodide in the synthesis of PET radioligands such as [11C]beta-CIT and [11C]beta-CFT. <i>Nuclear Medicine and Biology</i> , 1995 , 22, 965-79	2.1	54

117	Assessment of islet specificity of dihydrotetrabenazine radiotracer binding in rat pancreas and human pancreas. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 1439-46	8.9	52
116	Methylation of amide and thiol functions with [11C]methyl triflate, as exemplified by [11C]NMSP[11C]flumazenil and [11C]methionine. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1998 , 41, 831-841	1.9	51
115	Striatal dopamine D2 receptors in medication-naive patients with major depressive disorder as assessed with [11C]raclopride PET. <i>Psychopharmacology</i> , 2008 , 197, 581-90	4.7	50
114	Cardiac positron emission tomography imaging with [11C]hydroxyephedrine, a specific tracer for sympathetic nerve endings, and its functional correlates in congestive heart failure. <i>American Journal of Cardiology</i> , 1999 , 84, 568-74	3	50
113	Mu-receptor agonism with alfentanil increases striatal dopamine D2 receptor binding in man. <i>Synapse</i> , 2002 , 45, 25-30	2.4	49
112	Amyloid and metabolic positron emission tomography imaging of cognitively normal adults with Alzheimer's parents. <i>Neurobiology of Aging</i> , 2013 , 34, 22-34	5.6	48
111	Decreased binding of [11C]flumazenil in Angelman syndrome patients with GABA(A) receptor beta3 subunit deletions. <i>Annals of Neurology</i> , 2001 , 49, 110-3	9.4	48
110	Association of striatal dopamine D2/D3 receptor binding potential with pain but not tactile sensitivity or placebo analgesia. <i>Neuroscience Letters</i> , 2005 , 376, 149-53	3.3	47
109	Evaluation of response to radiotherapy in head and neck cancer by positron emission tomography and [11C]methionine. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995 , 32, 787-94	4	47
108	Insular dopamine D2 receptors and novelty seeking personality in Parkinson's disease. <i>Movement Disorders</i> , 2004 , 19, 1348-51	7	46
107	Dopaminergic effects of caffeine in the human striatum and thalamus. <i>NeuroReport</i> , 2004 , 15, 281-5	1.7	46
106	EANM procedure guidelines for brain neurotransmission SPECT/PET using dopamine D2 receptor ligands, version 2. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 434-42	8.8	44
105	Measurement of extrastriatal D2-like receptor binding with [11C]FLB 457--a test-retest analysis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000 , 27, 1666-73	8.8	44
104	Uptake of 11C-choline in mouse atherosclerotic plaques. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 798-802	8.9	42
103	Dopamine D2/D3 receptor binding in the anterior cingulate cortex and executive functioning. <i>Psychiatry Research - Neuroimaging</i> , 2007 , 156, 69-74	2.9	42
102	Uptake of inflammatory cell marker [11C]PK11195 into mouse atherosclerotic plaques. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 73-80	8.8	40
101	Radiosynthesis and evaluation of 11C-CIMBI-5 as a 5-HT2A receptor agonist radioligand for PET. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 1763-70	8.9	40
100	Sevoflurane and propofol increase 11C-flumazenil binding to gamma-aminobutyric acidA receptors in humans. <i>Anesthesia and Analgesia</i> , 2004 , 99, 1420-1426	3.9	40

99	Synthesis of high-specific-radioactivity 4- and 6-[18F]fluorometaraminol-PET tracers for the adrenergic nervous system of the heart. <i>Bioorganic and Medicinal Chemistry</i> , 2001 , 9, 677-94	3.4	40
98	Age-related loss of extrastriatal dopamine D(2) -like receptors in women. <i>Journal of Neurochemistry</i> , 2002 , 81, 1005-10	6	39
97	Preliminary study of carbon-11 methionine PET in the evaluation of early response to therapy in advanced breast cancer. <i>Nuclear Medicine Communications</i> , 2009 , 30, 30-6	1.6	38
96	Gender differences in brain serotonin transporter availability in panic disorder. <i>Journal of Psychopharmacology</i> , 2011 , 25, 952-9	4.6	36
95	Whole-body distribution and metabolism of [N-methyl-11C](R)-1-(2-chlorophenyl)-N-(1-methylpropyl)-3-isoquinolinecarboxamide in humans; an imaging agent for in vivo assessment of peripheral benzodiazepine receptor activity with positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 671-82	8.8	35
94	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, E413-9	6	35
93	Human biodistribution and radiation dosimetry of 11C-(R)-PK11195, the prototypic PET ligand to image inflammation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 606-12	8.8	34
92	Improved syntheses of the PET radioligands, [11C]FLB 457, [11C]MDL 100907 and [11C]ECIT-FE, by the use of [11C]methyl triflate. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1998 , 41, 545-556	1.9	34
91	Measurement of GABAA receptor binding in vivo with [11C]flumazenil: a test-retest study in healthy subjects. <i>NeuroImage</i> , 2008 , 41, 260-9	7.9	34
90	Substantial thalamostriatal dopaminergic defect in Unverricht-Lundborg disease. <i>Epilepsia</i> , 2007 , 48, 1768-1773	6.4	34
89	Biodistribution of [11C] methylaminoisobutyric acid, a tracer for PET studies on system A amino acid transport in vivo. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2001 , 28, 847-54		34
88	(S)- and (R)-[11C]nicotine and the metabolite (R/S)-[11C]cotinine. Preparation, metabolite studies and in vivo distribution in the human brain using PET. <i>International Journal of Radiation Applications and Instrumentation Part B, Nuclear Medicine and Biology</i> , 1992 , 19, 871-80		33
87	Correlation of human cold pressor pain responses with 5-HT(1A) receptor binding in the brain. <i>Brain Research</i> , 2007 , 1172, 21-31	3.7	32
86	Trimetazidine reduces endogenous free fatty acid oxidation and improves myocardial efficiency in obese humans. <i>Cardiovascular Therapeutics</i> , 2012 , 30, 333-41	3.3	31
85	The effects of d-amphetamine on extrastriatal dopamine D2/D3 receptors: a randomized, double-blind, placebo-controlled PET study with [11C]FLB 457 in healthy subjects. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 475-83	8.8	31
84	Posterior cortical atrophy: a rare form of dementia with in vivo evidence of amyloid-beta accumulation. <i>Journal of Alzheimer's Disease</i> , 2008 , 15, 351-5	4.3	31
83	Uptake of [N-methyl-11C]alpha-methylaminoisobutyric acid in untreated head and neck cancer studied by PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003 , 30, 72-7	8.8	31
82	Cortical β -C-PIB uptake is associated with age, APOE genotype, and gender in "healthy aging". <i>Journal of Alzheimer's Disease</i> , 2014 , 41, 193-202	4.3	30

81	Temperament trait Harm Avoidance associates with Ebpioid receptor availability in frontal cortex: a PET study using [(11)C]carfentanil. <i>NeuroImage</i> , 2012 , 61, 670-6	7.9	30
80	Reproducibility of striatal and thalamic dopamine D2 receptor binding using [11C]raclopride with high-resolution positron emission tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 155-65	7.3	30
79	Myocardial blood flow and adenosine A2A receptor density in endurance athletes and untrained men. <i>Journal of Physiology</i> , 2008 , 586, 5193-202	3.9	29
78	Effects of intravenous placebo with glucose expectation on human basal ganglia dopaminergic function. <i>Synapse</i> , 2008 , 62, 682-8	2.4	29
77	Alfentanil increases cortical dopamine D2/D3 receptor binding in healthy subjects. <i>Pain</i> , 2004 , 109, 86-93	3.8	29
76	Intravenous ethanol increases dopamine release in the ventral striatum in humans: PET study using bolus-plus-infusion administration of [(11)C]raclopride. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 424-31	7.3	28
75	Effects of antidepressant drug treatment and psychotherapy on striatal and thalamic dopamine D2/3 receptors in major depressive disorder studied with [11C]raclopride PET. <i>Journal of Psychopharmacology</i> , 2011 , 25, 1329-36	4.6	28
74	COMT Val158Met genotype does not alter cortical or striatal dopamine D2 receptor availability in vivo. <i>Molecular Imaging and Biology</i> , 2010 , 12, 192-7	3.8	28
73	Use of carbon-11 methionine positron emission tomography to assess malignancy grade and predict survival in patients with lymphomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1998 , 25, 729-35	8.8	28
72	Xenon does not affect gamma-aminobutyric acid type A receptor binding in humans. <i>Anesthesia and Analgesia</i> , 2008 , 106, 129-34, table of contents	3.9	27
71	Striatal dopamine D1 and D2 receptor balance in twins at increased genetic risk for schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2006 , 146, 13-20	2.9	27
70	Effects of fluoxetine on dopamine D2 receptors in the human brain: a positron emission tomography study with [11C]raclopride. <i>International Journal of Neuropsychopharmacology</i> , 2004 , 7, 431-5 ⁸	5.8	27
69	Measurement of cortical dopamine d1 receptor binding with 11C[SCH23390]: a test-retest analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001 , 21, 1146-50	7.3	26
68	PET examination of [(11)C]5-methyl-6-nitroquipazine, a radioligand for visualization of the serotonin transporter. <i>Nuclear Medicine and Biology</i> , 2002 , 29, 651-6	2.1	24
67	Carbon-11 pb-12: an attempt to visualize the dopamine d(4) receptor in the primate brain with positron emission tomography. <i>Nuclear Medicine and Biology</i> , 2000 , 27, 707-14	2.1	24
66	Radiopharmaceuticals for positron emission tomography investigations of Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 1575-93	8.8	23
65	Neuroticism and serotonin 5-HT1A receptors in healthy subjects. <i>Psychiatry Research - Neuroimaging</i> , 2015 , 234, 1-6	2.9	22
64	Striatal Ebpioid receptor availability predicts cold pressor pain threshold in healthy human subjects. <i>Neuroscience Letters</i> , 2012 , 521, 11-4	3.3	22

63	Reproducibility of automated simplified voxel-based analysis of PET amyloid ligand [11C]PIB uptake using 30-min scanning data. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 1651-60	8.8	22
62	Human obesity is characterized by defective fat storage and enhanced muscle fatty acid oxidation, and trimetazidine gradually counteracts these abnormalities. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 301, E105-12	6	20
61	Subanesthetic ketamine does not affect 11C-flumazenil binding in humans. <i>Anesthesia and Analgesia</i> , 2005 , 101, 722-725	3.9	20
60	Kinetics of four 11C-labelled enkephalin peptides in the brain, pituitary and plasma of rhesus monkeys. <i>Regulatory Peptides</i> , 1986 , 16, 1-13		19
59	A PET Tracer for Brain α C Adrenoceptors, (11)C-ORM-13070: Radiosynthesis and Preclinical Evaluation in Rats and Knockout Mice. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1171-7	8.9	18
58	A PET Study on the Acute Effect of Ethanol on Striatal D2 Dopamine Receptors with [11C]Raclopride in Healthy Males. <i>Human Psychopharmacology</i> , 1997 , 12, 145-152	2.3	18
57	Synthesis, radiolabeling and preliminary biological evaluation of radiolabeled 5-methyl-6-nitroquipazine, a potential radioligand for the serotonin transporter. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002 , 12, 3611-3	2.9	17
56	Preparation of [18F]ECFT-FP and [11C]ECFT-FP, selective radioligands for visualisation of the dopamine transporter using positron emission tomography (PET). <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2000 , 43, 1235-1244	1.9	17
55	Quantification of [Carbonyl-(11)C]WAY-100635 binding: considerations on the cerebellum. <i>Nuclear Medicine and Biology</i> , 2000 , 27, 483-6	2.1	17
54	Selective synthesis of racemic 1-11C-labelled norepinephrine, octopamine, norphenylephrine and phenylethanolamine using [11C]nitromethane. <i>Applied Radiation and Isotopes</i> , 1994 , 45, 515-21	1.7	17
53	Human radiation dosimetry of [11C]MeAIB, a new tracer for imaging of system A amino acid transport. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006 , 33, 1178-84	8.8	16
52	Rostrocaudal gradients of dopamine D2/3 receptor binding in striatal subregions measured with [(11)C]raclopride and high-resolution positron emission tomography. <i>NeuroImage</i> , 2013 , 82, 252-9	7.9	15
51	[11C]palmitate kinetics across the splanchnic bed in arterial, portal and hepatic venous plasma during fasting and euglycemic hyperinsulinemia. <i>Nuclear Medicine and Biology</i> , 2006 , 33, 521-8	2.1	15
50	Preparation of 4-[11C]methylmetaraminol, a potential PET tracer for assessment of myocardial sympathetic innervation. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2003 , 46, 55-65	1.9	15
49	[N-methyl-11C]MeAIB, a tracer for system A amino acid transport: preparation from [11C]methyl triflate and HPLC metabolite analysis of plasma samples after intravenous administration in man. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2000 , 43, 1013-1021	1.9	15
48	Highly Effective Auger-Electron Therapy in an Orthotopic Glioblastoma Xenograft Model using Convection-Enhanced Delivery. <i>Theranostics</i> , 2016 , 6, 2278-2291	12.1	15
47	Positron emission tomography in at risk patients and in the progression of mild cognitive impairment to Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2010 , 19, 291-300	4.3	14
46	The synthesis of the neuropeptide Met-enkephalin and two metabolic fragments labelled with 11C in the methionine methyl group. <i>International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes</i> , 1986 , 37, 537-9		14

45	[11C]methionine quantitation in cancer PET studies. <i>Journal of Computer Assisted Tomography</i> , 1992 , 16, 468-74	2.2	13
44	1-11C-methyl-4-piperidinyl-N-butyrate radiation dosimetry in humans by dynamic organ-specific evaluation. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 347-53	8.9	12
43	Use of [11C]acetate and [15O]O ₂ PET for the assessment of myocardial oxygen utilization in patients with chronic myocardial infarction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2001 , 28, 334-9		12
42	Preparation of [1-11C]dopamine, [1-11C]p-tyramine and [1-11C]m-tyramine. Autoradiography and PET examination of [1-11C]dopamine in primates. <i>Nuclear Medicine and Biology</i> , 1993 , 20, 669-78	2.1	12
41	[11C]PIB PET Is Associated with the Brain Biopsy Amyloid- β Load in Subjects Examined for Normal Pressure Hydrocephalus. <i>Journal of Alzheimer's Disease</i> , 2019 , 67, 1343-1351	4.3	11
40	Amino acid uptake in the skeletal muscle measured using [11C]methylaminoisobutyrate (MEAIB) and PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002 , 29, 1485-91	8.8	11
39	[11C]metaraminol, a false neurotransmitter: preparation, metabolite studies and positron emission tomography examination in monkey. <i>Nuclear Medicine and Biology</i> , 1996 , 23, 221-7	2.1	11
38	11C-methionine kinetics in pregnant rhesus monkeys studied by positron emission tomography: a new approach to feto-maternal metabolism. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1984 , 63, 641-5	3.8	11
37	Distribution of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in experimental animals studied by positron emission tomography and whole body autoradiography. <i>Life Sciences</i> , 1986 , 38, 89-97	6.8	11
36	Verbal memory and 5-HT _{1A} receptors in healthy volunteers--A PET study with [carbonyl-(11C)]WAY-100635. <i>European Neuropsychopharmacology</i> , 2016 , 26, 570-7	1.2	10
35	Antagonist binding characteristics of the Ser311-->Cys variant of human dopamine D ₂ receptor in vivo and in vitro. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 232, 143-6	3.4	10
34	Effects of lorazepam administration on striatal dopamine D ₂ receptor binding characteristics in man--a positron emission tomography study. <i>Psychopharmacology</i> , 1997 , 132, 361-5	4.7	10
33	Cognitive decline and amyloid accumulation in patients with mild cognitive impairment. <i>Dementia and Geriatric Cognitive Disorders</i> , 2012 , 34, 31-7	2.6	9
32	Human dosimetry of carbon-11 labeled N-butan-2-yl-1-(2-chlorophenyl)-N-methylisoquinoline-3-carboxamide extrapolated from whole-body distribution kinetics and radiometabolism in rats. <i>Molecular Imaging and Biology</i> , 2010 , 12, 435-42	3.8	9
31	Brain 5-HT _{2A} receptor occupancy of deramciclone in humans after a single oral administration--a positron emission tomography study. <i>Psychopharmacology</i> , 1999 , 145, 76-81	4.7	9
30	Preparation of the antioestrogenic compound N-[methyl-11C]-toremifene for the study of oestrogen-receptor positive tumors in vivo. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1991 , 29, 1085-1089	1.9	9
29	Preparation of 4- and 6-[76Br] bromometaraminol, two potential radiotracers for the study of the myocardial norepinephrine neuronal reuptake system with PET. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1997 , 39, 803-816	1.9	8
28	Synthesis of three 11C-labelled methionine-containing enkephalin analogues. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1988 , 25, 149-160	1.9	8

27	The effects of lorazepam on extrastriatal dopamine D(2/3)-receptors-A double-blind randomized placebo-controlled PET study. <i>Psychiatry Research - Neuroimaging</i> , 2009 , 174, 130-7	2.9	7
26	Pancreatic glucose uptake in vivo in men with newly diagnosed type 1 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1909-14	5.6	7
25	Effects of cocaine on [11C]norepinephrine and [11C] beta-CIT uptake in the primate peripheral organs measured by PET. <i>Annals of Nuclear Medicine</i> , 1996 , 10, 85-8	2.5	7
24	Brain Cholinergic Function and Response to Rivastigmine in Patients With Chronic Sequels of Traumatic Brain Injury: A PET Study. <i>Journal of Head Trauma Rehabilitation</i> , 2018 , 33, 25-32	3	6
23	Long-Term Interrelationship between Brain Metabolism and Amyloid Deposition in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2015 , 48, 123-33	4.3	6
22	Development of an automated modular system for the synthesis of [11C]acetate. <i>Nuclear Medicine Communications</i> , 2010 , 31, 1033-9	1.6	6
21	Cortical dopamine D2/D3 receptors and verbal memory in man. <i>NeuroImage</i> , 2010 , 51, 918-22	7.9	6
20	An alternative synthesis of DL-[1-11C]Alanine from [11C]HCN. <i>International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes</i> , 1990 , 41, 1187-1191		6
19	Characterization of hepatic tumors using [11C]metomidate through positron emission tomography: comparison with [11C]acetate. <i>EJNMMI Research</i> , 2013 , 3, 13	3.6	5
18	11 C-labelling of substance P. Preparation of a homocysteine-containing precursor and its subsequent application in the synthesis of the labelled neuropeptide. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1987 , 2241-2247		5
17	Preparation and 11C-labelling of a Substance P analogue containing D-tryptophan in positions 7 and 9. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1988 , 497-502		5
16	Protected homocysteine peptides as precursors of labelled methionine peptides. Application in preparation of methionine-enkephalin. <i>Acta Chemica Scandinavica</i> , 1985 , 39, 157-61		5
15	Differential associations between brain 5-HT(1A) receptor binding and response to pain versus touch. <i>Journal of Neural Transmission</i> , 2009 , 116, 821-30	4.3	4
14	PET and knockout mice in drug discovery. <i>Drug Discovery Today</i> , 2003 , 8, 876	8.8	4
13	A fast and convenient method for robotic preparation of [11C]flumazenil avoiding HPLC purification. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2000 , 43, 613-621	1.9	4
12	Synthesis of D/L- and L-SE-[methyl-11C]selenomethionine. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1988 , 25, 133-139	1.9	4
11	Radiolabeling and biodistribution of methyl 2-(methoxycarbonyl)-2-(methylamino) bicyclo[2.1.1]-hexane -5-carboxylate, a potential neuroprotective drug. <i>Life Sciences</i> , 2003 , 73, 1577-85	6.8	3
10	Quality Control Aspects in the Preparation of [11C]-Methionine 1993 , 81-87		3

9	[¹¹ C]NS9531, [¹¹ C]NS9762 and [¹¹ C]NS6417, specific SERT tracers: pre-clinical evaluation in pigs and optimization of synthesis conditions using [¹¹ C]methyl triflate. <i>Nuclear Medicine and Biology</i> , 2016 , 43, 42-51	2.1	2
8	Good manufacturing practice production of the system A amino acid transport tracer [¹¹ C]MeAIB on a commercial synthesis module. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2014 , 57, 61-64	1.9	2
7	Some new methods for the synthesis of cardiac neurotransmission PET radiotracers. <i>Nuclear Medicine and Biology</i> , 1995 , 22, 1037-43	2.1	2
6	Application of ¹⁸ F-PET Imaging for the Study of Alzheimer's Disease 2008 , 67-84		1
5	An HPLC-method for determination of ligand metabolism during PET studies with [¹¹ C]metaraminol and [¹¹ C]norepinephrine. <i>Nuclear Medicine and Biology</i> , 1995 , 22, 1045-8	2.1	1
4	[N-methyl- ¹¹ C]MeAIB, a tracer for system A amino acid transport: preparation from [¹¹ C]methyl triflate and HPLC metabolite analysis of plasma samples after intravenous administration in man 2000 , 43, 1013		1
3	Author reply to: "Depressive symptomatology, serotonergic activity, and neuroticism: A methodological recommendation". <i>Psychiatry Research - Neuroimaging</i> , 2015 , 234, 391	2.9	
2	PET examination of the monkey heart with high specific radioactivity [¹¹ C]norepinephrine and [¹¹ C]metaraminol. <i>Nuclear Medicine and Biology</i> , 1995 , 22, 1053-6	2.1	
1	Synthesis of two S-(methyl- ³ H)-labelled enkephalins and S-(methyl- ¹⁴ C)substance P. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1988 , 25, 141-148	1.9	