

# Kjell NÅ¥gren

## List of Publications by Year in descending order

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173  
papers

10,375  
citations

30070

54  
h-index

38395

95  
g-index

180  
all docs

180  
docs citations

180  
times ranked

11083  
citing authors

#	ARTICLE	IF	CITATIONS
1	EANM procedure guidelines for PET brain imaging using [18F]FDG, version 2. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 2103-2110.	6.4	469
2	Age-related dopamine D2/D3 receptor loss in extrastriatal regions of the human brain. Neurobiology of Aging, 2000, 21, 683-688.	3.1	313
3	EANM procedure guidelines for brain neurotransmission SPECT using 123I-labelled dopamine transporter ligands, version 2. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 443-450.	6.4	263
4	Frontal and Temporal Dopamine Release during Working Memory and Attention Tasks in Healthy Humans: a Positron Emission Tomography Study Using the High-Affinity Dopamine D <sub>2</sub> Receptor Ligand [ <sup>11</sup> C]FLB 457. Journal of Neuroscience, 2005, 25, 2471-2477.	3.6	261
5	Regional analysis of FDG and PIB-PET images in normal aging, mild cognitive impairment, and Alzheimer's disease. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 2169-2181.	6.4	250
6	Striatal D2 dopamine receptor binding characteristics in vivo in patients with alcohol dependence. Psychopharmacology, 1994, 116, 285-290.	3.1	235
7	Cognitive reserve hypothesis: Pittsburgh Compound B and fluorodeoxyglucose positron emission tomography in relation to education in mild Alzheimer's disease. Annals of Neurology, 2008, 63, 112-118.	5.3	223
8	Trimetazidine, a Metabolic Modulator, Has Cardiac and Extracardiac Benefits in Idiopathic Dilated Cardiomyopathy. Circulation, 2008, 118, 1250-1258.	1.6	222
9	Striatal dopamine D1 and D2 receptors in burning mouth syndrome. Pain, 2003, 101, 149-154.	4.2	219
10	Free Fatty Acid Depletion Acutely Decreases Cardiac Work and Efficiency in Cardiomyopathic Heart Failure. Circulation, 2006, 114, 2130-2137.	1.6	212
11	Myocardial efficiency during levosimendan infusion in congestive heart failure. Clinical Pharmacology and Therapeutics, 2000, 68, 522-531.	4.7	206
12	Discrepancies in Brain Tumor Extent as Shown by Computed Tomography and Positron Emission Tomography Using [68Ga]EDTA, [11C]Glucose, and [11C]Methionine. Journal of Computer Assisted Tomography, 1983, 7, 1062-1066.	0.9	204
13	Assessment of $\beta^2$ -Amyloid in a Frontal Cortical Brain Biopsy Specimen and by Positron Emission Tomography With Carbon 11-Labeled Pittsburgh Compound B. Archives of Neurology, 2008, 65, 1304.	4.5	196
14	Decrease in Human Striatal Dopamine D <sub>2</sub> Receptor Density with Age: A PET Study with [ <sup>11</sup> C]Raclopride. Journal of Cerebral Blood Flow and Metabolism, 1993, 13, 310-314.	4.3	186
15	Altered dopamine D2 receptor binding in atypical facial pain. Pain, 2003, 106, 43-48.	4.2	181
16	A European multicentre PET study of fibrillar amyloid in Alzheimer's disease. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 104-114.	6.4	170
17	Increased Brain Fatty Acid Uptake in Metabolic Syndrome. Diabetes, 2010, 59, 2171-2177.	0.6	165
18	C957T polymorphism of dopamine D2 receptor gene affects striatal DRD2 in vivo availability by changing the receptor affinity. Synapse, 2009, 63, 907-912.	1.2	156

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19	Decreased brain serotonin 5-HT <sub>1A</sub> receptor availability in medication-naïve patients with major depressive disorder: an in-vivo imaging study using PET and [carbonyl- <sup>11</sup> C]WAY-100635. <i>International Journal of Neuropsychopharmacology</i> , 2008, 11, 465-76.	2.1	150
20	Fatty Acid Metabolism in the Liver, Measured by Positron Emission Tomography, Is Increased in Obese Individuals. <i>Gastroenterology</i> , 2010, 139, 846-856.e6.	1.3	144
21	EANM procedure guideline for brain perfusion SPECT using <sup>99m</sup> Tc-labelled radiopharmaceuticals, version 2. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 2093-2102.	6.4	143
22	Increased Caudate Dopamine D2 Receptor Availability as a Genetic Marker for Schizophrenia. <i>Archives of General Psychiatry</i> , 2005, 62, 371.	12.3	142
23	Sex Differences in Extrastriatal Dopamine D2-Like Receptors in the Human Brain. <i>American Journal of Psychiatry</i> , 2001, 158, 308-311.	7.2	138
24	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, 273-279.	4.2	129
25	Increased fibrillar amyloid- $\beta$ 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, 5949-5954.	7.1	125
26	Regional Effects of Donepezil and Rivastigmine on Cortical Acetylcholinesterase Activity in Alzheimer's Disease. <i>Journal of Clinical Psychopharmacology</i> , 2002, 22, 615-620.	1.4	122
27	Effects of intravenous glucose on dopaminergic function in the human brain in vivo. <i>Synapse</i> , 2007, 61, 748-756.	1.2	122
28	Increased density of dopamine D2 receptors in the putamen, but not in the caudate nucleus in early Parkinson's disease: a PET study with [ <sup>11</sup> C]raclopride. <i>Journal of the Neurological Sciences</i> , 1995, 132, 156-161.	0.6	111
29	Metabolic characterization of childhood brain tumors. <i>Cancer</i> , 2002, 95, 1376-1386.	4.1	110
30	Expectation of caffeine induces dopaminergic responses in humans. <i>European Journal of Neuroscience</i> , 2004, 19, 2352-2356.	2.6	108
31	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, 630-636.	4.8	106
32	Precursor synthesis and radiolabelling of the dopamine D2 receptor ligand [ <sup>11</sup> C]raclopride from [ <sup>11</sup> C]methyl triflate. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1999, 42, 1183-1193.	1.0	105
33	Improved synthesis of some commonly used PET radioligands by the use of [ <sup>11</sup> C]methyl triflate. <i>Nuclear Medicine and Biology</i> , 1995, 22, 235-239.	0.6	102
34	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.	4.7	100
35	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, 373-376.	2.1	94
36	Research Letter: Psychotherapy increases brain serotonin 5-HT <sub>1A</sub> receptors in patients with major depressive disorder. <i>Psychological Medicine</i> , 2010, 40, 523-528.	4.5	94

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37	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, 644-652.	1.7	92
38	Cortical glutamate-dopamine interaction and ketamine-induced psychotic symptoms in man. <i>Psychopharmacology</i> , 2005, 182, 375-383.	3.1	81
39	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, 210-217.	4.3	80
40	Prolonged Central $\mu$ -Opioid Receptor Occupancy after Single and Repeated Nalmefene Dosing. <i>Neuropsychopharmacology</i> , 2005, 30, 2245-2253.	5.4	80
41	Receptor binding of N-(methyl-11C) clozapine in the brain of rhesus monkey studied by positron emission tomography (PET). <i>Psychopharmacology</i> , 1986, 89, 248-252.	3.1	79
42	Brain serotonin 1A receptor binding in bulimia nervosa. <i>Biological Psychiatry</i> , 2004, 55, 871-873.	1.3	75
43	[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, 666-670.	2.2	75
44	Striatal dopamine D2/D3 receptor availability correlates with individual response characteristics to pain. <i>European Journal of Neuroscience</i> , 2004, 20, 1587-1592.	2.6	74
45	PET examination of the monoamine transporter with [11C]-CIT and [11C]-CFT in early parkinson's disease. <i>Synapse</i> , 1995, 21, 97-103.	1.2	67
46	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, 275-286.	6.4	67
47	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, 185-195.	4.3	66
48	Ketamine does not decrease striatal dopamine D2 receptor binding in man. <i>Psychopharmacology</i> , 2002, 164, 401-406.	3.1	65
49	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.	4.5	65
50	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, 881-894.	4.5	64
51	Measurement of Striatal and Extrastriatal Dopamine Transporter Binding with High-Resolution PET and [ <sup>11</sup> C]PE2I: Quantitative Modeling and Test-Retest Reproducibility. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1059-1069.	4.3	63
52	Striatal dopamine D2 receptors in medication-naive patients with major depressive disorder as assessed with [11C]raclopride PET. <i>Psychopharmacology</i> , 2008, 197, 581-590.	3.1	61
53	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.	1.0	59
54	Comparison of [11C]methyl triflate and [11C]methyl iodide in the synthesis of PET radioligands such as [11C]-CIT and [11C]-CFT. <i>Nuclear Medicine and Biology</i> , 1995, 22, 965-970.	0.6	58

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55	Cardiac positron emission tomography imaging with [ <sup>11</sup> C]hydroxyephedrine, a specific tracer for sympathetic nerve endings, and its functional correlates in congestive heart failure. <i>American Journal of Cardiology</i> , 1999, 84, 568-574.	1.6	58
56	Amyloid and metabolic positron emission tomography imaging of cognitively normal adults with Alzheimer's parents. <i>Neurobiology of Aging</i> , 2013, 34, 22-34.	3.1	58
57	Dopaminergic effects of caffeine in the human striatum and thalamus. <i>NeuroReport</i> , 2004, 15, 281-285.	1.2	57
58	Association of striatal dopamine D2/D3 receptor binding potential with pain but not tactile sensitivity or placebo analgesia. <i>Neuroscience Letters</i> , 2005, 376, 149-153.	2.1	57
59	$\mu$ -Receptor agonism with alfentanil increases striatal dopamine D2 receptor binding in man. <i>Synapse</i> , 2002, 45, 25-30.	1.2	56
60	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, 434-442.	6.4	56
61	Evaluation of response to radiotherapy in head and neck cancer by positron emission tomography and [ <sup>11</sup> C]methionine. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995, 32, 787-794.	0.8	55
62	Decreased binding of [ <sup>11</sup> C]flumazenil in Angelman syndrome patients with GABAA receptor $\alpha$ 3 subunit deletions. <i>Annals of Neurology</i> , 2001, 49, 110-113.	5.3	54
63	Insular dopamine D2 receptors and novelty seeking personality in Parkinson's disease. <i>Movement Disorders</i> , 2004, 19, 1348-1351.	3.9	54
64	Assessment of Islet Specificity of Dihydratetrabenazine Radiotracer Binding in Rat Pancreas and Human Pancreas. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1439-1446.	5.0	54
65	Uptake of [ <sup>11</sup> C]-Choline in Mouse Atherosclerotic Plaques. <i>Journal of Nuclear Medicine</i> , 2010, 51, 798-802.	5.0	53
66	Measurement of extrastriatal D2-like receptor binding with [ <sup>11</sup> C]FLB 457 – a test-retest analysis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000, 27, 1666-1673.	6.4	50
67	Dopamine D2/D3 receptor binding in the anterior cingulate cortex and executive functioning. <i>Psychiatry Research - Neuroimaging</i> , 2007, 156, 69-74.	1.8	48
68	Uptake of inflammatory cell marker [ <sup>11</sup> C]PK11195 into mouse atherosclerotic plaques. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 73-80.	6.4	48
69	Radiosynthesis and Evaluation of [ <sup>11</sup> C]-CIMBI-5 as a 5-HT <sub>2A</sub> Receptor Agonist Radioligand for PET. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1763-1770.	5.0	48
70	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, 30-36.	1.1	46
71	Age-related loss of extrastriatal dopamine D2-like receptors in women. <i>Journal of Neurochemistry</i> , 2002, 81, 1005-1010.	3.9	45
72	(S)- and (R)-[ <sup>11</sup> C]nicotine and the metabolite (-)-[ <sup>11</sup> C]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, 871-880.	0.3	44

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73	Sevoflurane and Propofol Increase <sup>11</sup> C-Flumazenil Binding to Gamma-Aminobutyric Acid A Receptors in Humans. <i>Anesthesia and Analgesia</i> , 2004, 99, 1420-1426.	2.2	41
74	Gender differences in brain serotonin transporter availability in panic disorder. <i>Journal of Psychopharmacology</i> , 2011, 25, 952-959.	4.0	41
75	Improved syntheses of the PET radioligands, [ <sup>11</sup> C]FLB 457, [ <sup>11</sup> C]MDL 100907 and [ <sup>11</sup> C]Î²-CIT-FE, by the use of [ <sup>11</sup> C]methyl triflate. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1998, 41, 545-556.	1.0	40
76	Synthesis of high-specific-radioactivity 4- and 6-[ <sup>18</sup> F]fluorometaraminol- PET tracers for the adrenergic nervous system of the heart. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 677-694.	3.0	40
77	Whole-body distribution and metabolism of [N-methyl- <sup>11</sup> C](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, 671-682.	6.4	40
78	Substantial Thalamostriatal Dopaminergic Defect in Unverricht-Lundborg Disease. <i>Epilepsia</i> , 2007, 48, 1768-1773.	5.1	39
79	Human biodistribution and radiation dosimetry of <sup>11</sup> C-(R)-PK11195, the prototypic PET ligand to image inflammation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 606-612.	6.4	39
80	Measurement of GABA <sub>A</sub> receptor binding in vivo with [ <sup>11</sup> C]Flumazenil: A test-retest study in healthy subjects. <i>NeuroImage</i> , 2008, 41, 260-269.	4.2	38
81	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.	3.5	38
82	Correlation of human cold pressor pain responses with 5-HT <sub>1A</sub> receptor binding in the brain. <i>Brain Research</i> , 2007, 1172, 21-31.	2.2	37
83	Posterior Cortical Atrophy: A Rare Form of Dementia with in vivo Evidence of Amyloid-Î² Accumulation. <i>Journal of Alzheimer's Disease</i> , 2008, 15, 351-355.	2.6	37
84	Temperament trait Harm Avoidance associates with Î¼-opioid receptor availability in frontal cortex: A PET study using [ <sup>11</sup> C]carfentanil. <i>NeuroImage</i> , 2012, 61, 670-676.	4.2	37
85	Intravenous Ethanol Increases Dopamine Release in the Ventral Striatum in Humans: PET Study Using Bolus-Plus-Infusion Administration of [ <sup>11</sup> C]raclopride. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 424-431.	4.3	36
86	Alfentanil increases cortical dopamine D <sub>2</sub> /D <sub>3</sub> receptor binding in healthy subjects. <i>Pain</i> , 2004, 109, 86-93.	4.2	35
87	Biodistribution of [ <sup>11</sup> C]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, 847-854.	2.1	34
88	Trimetazidine Reduces Endogenous Free Fatty Acid Oxidation and Improves Myocardial Efficiency in Obese Humans. <i>Cardiovascular Therapeutics</i> , 2012, 30, 333-341.	2.5	34
89	Effects of intravenous placebo with glucose expectation on human basal ganglia dopaminergic function. <i>Synapse</i> , 2008, 62, 682-688.	1.2	33
90	Xenon Does Not Affect Î³-Aminobutyric Acid Type A Receptor Binding in Humans. <i>Anesthesia and Analgesia</i> , 2008, 106, 129-134.	2.2	33

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91	The effects of d-amphetamine on extrastriatal dopamine D2/D3 receptors: a randomized, double-blind, placebo-controlled PET study with [ <sup>11</sup> C]FLB 457 in healthy subjects. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 475-483.	6.4	33
92	Reproducibility of Striatal and Thalamic Dopamine D2 Receptor Binding Using [ <sup>11</sup> C]raclopride with High-Resolution Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 155-165.	4.3	33
93	Effects of antidepressant drug treatment and psychotherapy on striatal and thalamic dopamine D <sub>2/3</sub> receptors in major depressive disorder studied with [ <sup>11</sup> C]raclopride PET. <i>Journal of Psychopharmacology</i> , 2011, 25, 1329-1336.	4.0	33
94	Cortical <sup>11</sup> 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.	2.6	33
95	Uptake of [ <sup>11</sup> C]-methyl-methylaminoisobutyric acid in untreated head and neck cancer studied by PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 72-77.	6.4	32
96	Myocardial blood flow and adenosine A <sub>2A</sub> receptor density in endurance athletes and untrained men. <i>Journal of Physiology</i> , 2008, 586, 5193-5202.	2.9	32
97	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, 729-735.	6.4	31
98	Striatal dopamine D1 and D2 receptor balance in twins at increased genetic risk for schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2006, 146, 13-20.	1.8	30
99	COMT Val158Met Genotype Does Not Alter Cortical or Striatal Dopamine D2 Receptor Availability In Vivo. <i>Molecular Imaging and Biology</i> , 2010, 12, 192-197.	2.6	30
100	Effects of fluoxetine on dopamine D2 receptors in the human brain: a positron emission tomography study with [ <sup>11</sup> C]raclopride. <i>International Journal of Neuropsychopharmacology</i> , 2004, 7, 431-439.	2.1	29
101	Striatal <sup>11</sup> C-opioid receptor availability predicts cold pressor pain threshold in healthy human subjects. <i>Neuroscience Letters</i> , 2012, 521, 11-14.	2.1	29
102	Measurement of Cortical Dopamine D1 Receptor Binding with [ <sup>11</sup> C]SCH 23390: A Test-Retest Analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 1146-1150.	4.3	28
103	Reproducibility of automated simplified voxel-based analysis of PET amyloid ligand [ <sup>11</sup> C]PIB uptake using 30-min scanning data. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 1651-1660.	6.4	27
104	Radiopharmaceuticals for positron emission tomography investigations of Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 1575-1593.	6.4	27
105	Kinetics of four <sup>11</sup> C-labelled enkephalin peptides in the brain, pituitary and plasma of Rhesus monkeys. <i>Regulatory Peptides</i> , 1986, 16, 1-13.	1.9	26
106	Subanesthetic Ketamine Does Not Affect <sup>11</sup> C-Flumazenil Binding in Humans. <i>Anesthesia and Analgesia</i> , 2005, 101, 722-725.	2.2	26
107	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-E112.	3.5	26
108	Neuroticism and serotonin 5-HT <sub>1A</sub> receptors in healthy subjects. <i>Psychiatry Research - Neuroimaging</i> , 2015, 234, 1-6.	1.8	26

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109	PET examination of [ <sup>11</sup> C]5-methyl-6-nitroquipazine, a radioligand for visualization of the serotonin transporter. <i>Nuclear Medicine and Biology</i> , 2002, 29, 651-656.	0.6	25
110	Carbon-11 pb-12: an attempt to visualize the dopamine d4 receptor in the primate brain with positron emission tomography. <i>Nuclear Medicine and Biology</i> , 2000, 27, 707-714.	0.6	24
111	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, 3611-3613.	2.2	22
112	Selective synthesis of racemic 1- <sup>11</sup> C-labelled norepinephrine, octopamine, norphenylephrine and phenylethanolamine using [ <sup>11</sup> C]nitromethane. <i>Applied Radiation and Isotopes</i> , 1994, 45, 515-521.	1.5	21
113	A PET Tracer for Brain $\alpha$ 2C Adrenoceptors, <sup>11</sup> C-ORM-13070: Radiosynthesis and Preclinical Evaluation in Rats and Knockout Mice. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1171-1177.	5.0	21
114	A PET Study on the Acute Effect of Ethanol on Striatal D2 Dopamine Receptors with [ <sup>11</sup> C]Raclopride in Healthy Males. <i>Human Psychopharmacology</i> , 1997, 12, 145-152.	1.5	20
115	Preparation of [ <sup>18</sup> F]β <sup>2</sup> -CFT-FP and [ <sup>11</sup> C]β <sup>2</sup> -CFT-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.	1.0	19
116	Quantification of [Carbonyl- <sup>11</sup> C]WAY-100635 binding: considerations on the cerebellum. <i>Nuclear Medicine and Biology</i> , 2000, 27, 483-486.	0.6	19
117	Highly Effective Auger-Electron Therapy in an Orthotopic Glioblastoma Xenograft Model using Convection-Enhanced Delivery. <i>Theranostics</i> , 2016, 6, 2278-2291.	10.0	19
118	The synthesis of the neuropeptide Met-enkephalin and two metabolic fragments labelled with <sup>11</sup> C in the methionine methyl group. <i>International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes</i> , 1986, 37, 537-539.	0.5	18
119	[N-methyl- <sup>11</sup> C]MeAIB, a tracer for system A amino acid transport: preparation from [ <sup>11</sup> C]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.	1.0	18
120	Preparation of 4-[ <sup>11</sup> C]methylmetaraminol, a potential PET tracer for assessment of myocardial sympathetic innervation. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2003, 46, 55-65.	1.0	18
121	[ <sup>11</sup> C]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, 521-528.	0.6	18
122	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.	2.6	18
123	Preparation of [1- <sup>11</sup> C]Dopamine, [1- <sup>11</sup> C]p-tyramine and [1- <sup>11</sup> C]m-tyramine. Autoradiography and PET examination of [1- <sup>11</sup> C]Dopamine in primates. <i>Nuclear Medicine and Biology</i> , 1993, 20, 669-678.	0.6	17
124	Effects of lorazepam administration on striatal dopamine D2 receptor binding characteristics in man - a positron emission tomography study. <i>Psychopharmacology</i> , 1997, 132, 361-365.	3.1	16
125	Use of [ <sup>11</sup> C]acetate and [ <sup>15</sup> O]O <sub>2</sub> 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, 334-339.	2.1	16
126	Human radiation dosimetry of [ <sup>11</sup> C]MeAIB, a new tracer for imaging of system A amino acid transport. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006, 33, 1178-1184.	6.4	16

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127	Cognitive Decline and Amyloid Accumulation in Patients with Mild Cognitive Impairment. <i>Dementia and Geriatric Cognitive Disorders</i> , 2012, 34, 31-37.	1.5	16
128	Rostrocaudal gradients of dopamine D2/3 receptor binding in striatal subregions measured with [ <sup>11</sup> C]raclopride and high-resolution positron emission tomography. <i>NeuroImage</i> , 2013, 82, 252-259.	4.2	16
129	[ <sup>11</sup> C]Methionine Quantitation in Cancer PET Studies. <i>Journal of Computer Assisted Tomography</i> , 1992, 16, 468-474.	0.9	15
130	<sup>11</sup> C-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, 641-645.	2.8	14
131	[ <sup>11</sup> C]Metaraminol, a false neurotransmitter: Preparation, metabolite studies and positron emission tomography examination in monkey. <i>Nuclear Medicine and Biology</i> , 1996, 23, 221-227.	0.6	14
132	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.	4.3	13
133	Antagonist Binding Characteristics of the Ser311 <sup>†</sup> Cys Variant of Human Dopamine D2Receptorin Vivoandin Vitro. <i>Biochemical and Biophysical Research Communications</i> , 1997, 232, 143-146.	2.1	13
134	Verbal memory and 5-HT <sub>1A</sub> receptors in healthy volunteers – A PET study with [carbonyl- <sup>11</sup> C]WAY-100635. <i>European Neuropsychopharmacology</i> , 2016, 26, 570-577.	0.7	13
135	[ <sup>11</sup> C]PIB PET Is Associated with the Brain Biopsy Amyloid- $\beta$ Load in Subjects Examined for Normal Pressure Hydrocephalus. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 1343-1351.	2.6	13
136	<sup>11</sup> C-Methyl-4-Piperidinyln-Butyrate Radiation Dosimetry in Humans by Dynamic Organ-Specific Evaluation. <i>Journal of Nuclear Medicine</i> , 2008, 49, 347-353.	5.0	12
137	Amino acid uptake in the skeletal muscle measured using [ <sup>11</sup> C]methylaminoisobutyrate (MEAIB) and PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002, 29, 1485-1491.	6.4	11
138	Brain 5-HT <sub>2A</sub> receptor occupancy of deramciclanc in humans after a single oral administration - a positron emission tomography study. <i>Psychopharmacology</i> , 1999, 145, 76-81.	3.1	10
139	Synthesis of three <sup>11</sup> C-labelled methionine-containing enkephalin analogues. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1988, 25, 149-160.	1.0	9
140	An alternative synthesis of DL-[ <sup>11</sup> C]Alanine from [ <sup>11</sup> C]HCN. <i>International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes</i> , 1990, 41, 1187-1191.	0.5	9
141	Preparation of the antioestrogenic compound N-[methyl- <sup>11</sup> C]-toremifene for the study of oestrogen-receptor positive tumors in vivo. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1991, 29, 1085-1089.	1.0	9
142	The effects of lorazepam on extrastriatal dopamine D2/3-receptors – A double-blind randomized placebo-controlled PET study. <i>Psychiatry Research - Neuroimaging</i> , 2009, 174, 130-137.	1.8	9
143	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, 435-442.	2.6	9
144	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.	1.7	9

#	ARTICLE	IF	CITATIONS
145	<sup>11</sup> 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.	0.9	8
146	Preparation and <sup>11</sup> C-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.	0.9	8
147	Effects of cocaine on [ <sup>11</sup> C]norepinephrine and [ <sup>11</sup> C]β-CIT uptake in the primate peripheral organs measured by PET. <i>Annals of Nuclear Medicine</i> , 1996, 10, 85-88.	2.2	8
148	Preparation of 4- and 6-[ <sup>76</sup> Br] 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.	1.0	8
149	Pancreatic Glucose Uptake in Vivo in Men with Newly Diagnosed Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 1909-1914.	3.6	8
150	Long-Term Interrelationship between Brain Metabolism and Amyloid Deposition in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 123-133.	2.6	8
151	PET and knockout mice in drug discovery. <i>Drug Discovery Today</i> , 2003, 8, 876.	6.4	7
152	Differential associations between brain 5-HT <sub>1A</sub> receptor binding and response to pain versus touch. <i>Journal of Neural Transmission</i> , 2009, 116, 821-830.	2.8	7
153	Cortical dopamine D <sub>2</sub> /D <sub>3</sub> receptors and verbal memory in man. <i>NeuroImage</i> , 2010, 51, 918-922.	4.2	7
154	Development of an automated modular system for the synthesis of [ <sup>11</sup> C]acetate. <i>Nuclear Medicine Communications</i> , 2010, 31, 1033-1039.	1.1	6
155	Quality Control Aspects in the Preparation of [ <sup>11</sup> C]-Methionine. , 1993, , 81-87.		6
156	Protected Homocysteine Peptides as Precursors of Labelled Methionine Peptides. Application in Preparation of Methionine-Enkephalin.. <i>Acta Chemica Scandinavica</i> , 1985, 39b, 157-161.	0.7	6
157	Synthesis of D/L- and L-SE-[methyl- <sup>11</sup> C]selenomethionine. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1988, 25, 133-139.	1.0	5
158	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, 1577-1585.	4.3	5
159	Characterization of hepatic tumors using [ <sup>11</sup> C]metomidate through positron emission tomography: comparison with [ <sup>11</sup> C]acetate. <i>EJNMMI Research</i> , 2013, 3, 13.	2.5	5
160	Some new methods for the synthesis of cardiac neurotransmission PET radiotracers. <i>Nuclear Medicine and Biology</i> , 1995, 22, 1037-1043.	0.6	4
161	A fast and convenient method for robotic preparation of [ <sup>11</sup> C]flumazenil avoiding HPLC purification. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2000, 43, 613-621.	1.0	4
162	[ <sup>11</sup> C]NS9531, [ <sup>11</sup> C]NS9762 and [ <sup>11</sup> C]NS6417, specific SERT tracers: pre-clinical evaluation in pigs and optimization of synthesis conditions using [ <sup>11</sup> C]methyl triflate. <i>Nuclear Medicine and Biology</i> , 2016, 43, 42-51.	0.6	4

#	ARTICLE	IF	CITATIONS
163	An HPLC-method for determination of ligand metabolism during PET studies with [11C]metaraminol and [11C]norepinephrine. Nuclear Medicine and Biology, 1995, 22, 1045-1048.	0.6	2
164	Good manufacturing practice production of the system A amino acid transport tracer [11C]MeAIB on a commercial synthesis module. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 61-64.	1.0	2
165	Synthesis of two S-(methyl-3H)-labelled enkephalins and S-(methyl-14C)substance P. Journal of Labelled Compounds and Radiopharmaceuticals, 1988, 25, 141-148.	1.0	1
166	5-12-19 Striatal uptake of the dopamine reuptake ligand [11C] <sup>125</sup> -CFT is reduced in Alzheimer's disease assessed by PET. Journal of the Neurological Sciences, 1997, 150, S296.	0.6	1
167	Application of 18Fâ€”PET Imaging for the Study of Alzheimer's Disease. , 2008, , 67-84.		1
168	[Nâ€”methylâ€”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. Journal of Labelled Compounds and Radiopharmaceuticals, 2000, 43, 1013-1021.	1.0	1
169	PET examination of the monkey heart with high specific radioactivity [11C]norepinephrine and [11C]metaraminol. Nuclear Medicine and Biology, 1995, 22, 1053-1056.	0.6	0
170	Serotonin and harm avoidance revisited. NeuroImage, 2010, 52, S92.	4.2	0
171	ET-22 * CONVECTION-ENHANCED DELIVERY OF THE AUGER-ELECTRON-EMITTER 125I-UdR: A HIGHLY EFFICIENT THERAPY IN AN ORTHOTOPIC GLIOBLASTOMA XENOGRAFT MODEL. Neuro-Oncology, 2014, 16, v84-v84.	1.2	0
172	Author reply to: â€”Depressive symptomatology, serotonergic activity, and neuroticism: A methodological recommendationâ€”. Psychiatry Research - Neuroimaging, 2015, 234, 391.	1.8	0
173	Human Subject with Unexpected Biodistribution of [11C]PK11195. The Open Nuclear Medicine Journal, 2011, 3, 10-11.	0.2	0