

Hideo Tsukada

List of Publications by Year in descending order

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164
papers

5,501
citations

71102

41
h-index

114465

63
g-index

171
all docs

171
docs citations

171
times ranked

4861
citing authors

#	ARTICLE	IF	CITATIONS
1	Methamphetamine-Related Psychiatric Symptoms and Reduced Brain Dopamine Transporters Studied With PET. <i>American Journal of Psychiatry</i> , 2001, 158, 1206-1214.	7.2	371
2	Association of Dopamine Transporter Loss in the Orbitofrontal and Dorsolateral Prefrontal Cortices With Methamphetamine-Related Psychiatric Symptoms. <i>American Journal of Psychiatry</i> , 2003, 160, 1699-1701.	7.2	226
3	Ketamine decreased striatal [¹¹ C]raclopride binding with no alterations in static dopamine concentrations in the striatal extracellular fluid in the monkey brain: Multiparametric PET studies combined with microdialysis analysis. <i>Synapse</i> , 2000, 37, 95-103.	1.2	128
4	Isoflurane anesthesia enhances the inhibitory effects of cocaine and GBR12909 on dopamine transporter: PET studies in combination with microdialysis in the monkey brain. <i>Brain Research</i> , 1999, 849, 85-96.	2.2	121
5	Reduction of dopamine D2/3 receptor binding in the striatum after a single administration of esketamine, but not R-ketamine: a PET study in conscious monkeys. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 173-176.	3.2	105
6	Ketamine increases the striatal N-[¹¹ C]methylspiperone binding in vivo: positron emission tomography study using conscious rhesus monkey. <i>Brain Research</i> , 1994, 663, 191-198.	2.2	104
7	Multitracer study with positron emission tomography in Creutzfeldt-Jakob disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 85-95.	6.4	97
8	Is synaptic dopamine concentration the exclusive factor which alters the in vivo binding of [¹¹ C]raclopride?: PET studies combined with microdialysis in conscious monkeys. <i>Brain Research</i> , 1999, 841, 160-169.	2.2	96
9	Cholinergic Neuronal Modulation Alters Dopamine D ₂ Receptor Availability <i>In Vivo</i> by Regulating Receptor Affinity Induced by Facilitated Synaptic Dopamine Turnover: Positron Emission Tomography Studies with Microdialysis in the Conscious Monkey Brain. <i>Journal of Neuroscience</i> , 2000, 20, 7067-7073.	3.6	91
10	Comparative effects of methamphetamine and nicotine on the striatal [¹¹ C]raclopride binding in unanesthetized monkeys. <i>Synapse</i> , 2002, 45, 207-212.	1.2	90
11	Effects of Binge Pattern Cocaine Administration on Dopamine D ₁ and D ₂ Receptors in the Rat Brain: An <i>In Vivo</i> Study Using Positron Emission Tomography. <i>Journal of Neuroscience</i> , 1996, 16, 7670-7677.	3.6	87
12	Palladium(O)-Mediated Rapid Methylation and Fluoromethylation on Carbon Frameworks by Reacting Methyl and Fluoromethyl Iodide with Aryl and Alkenyl Boronic Acid Esters: Useful for the Synthesis of [¹¹ C]CH ₃ and [¹⁸ F]FCH ₂ Containing PET Tracers (PET=Positron Emission Tomography). <i>Chemistry - A European Journal</i> , 2009, 15, 4165-4171.	3.3	87
13	Docosahexaenoic acid (DHA) improves the age-related impairment of the coupling mechanism between neuronal activation and functional cerebral blood flow response: a PET study in conscious monkeys. <i>Brain Research</i> , 2000, 862, 180-186.	2.2	82
14	Age-related changes in cerebral blood flow and glucose metabolism in conscious rhesus monkeys. <i>Brain Research</i> , 2002, 936, 76-81.	2.2	82
15	Chronic NMDA Antagonism Impairs Working Memory, Decreases Extracellular Dopamine, and Increases D1 Receptor Binding in Prefrontal Cortex of Conscious Monkeys. <i>Neuropsychopharmacology</i> , 2005, 30, 1861-1869.	5.4	81
16	Liposome-Encapsulated Hemoglobin Reduces the Size of Cerebral Infarction in the Rat. <i>Stroke</i> , 2007, 38, 1626-1632.	2.0	74
17	In vivo mitochondrial and glycolytic impairments in patients with Alzheimer disease. <i>Neurology</i> , 2020, 94, e1592-e1604.	1.1	70
18	Evaluation of 3'-deoxy-3'- ¹⁸ F-fluorothymidine for monitoring tumor response to radiotherapy and photodynamic therapy in mice. <i>Journal of Nuclear Medicine</i> , 2004, 45, 1754-8.	5.0	68

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19	Ketamine alters the availability of striatal dopamine transporter as measured by [¹¹ C]-CFT and [¹¹ C]-CIT-FE in the monkey brain. <i>Synapse</i> , 2001, 42, 273-280.	1.2	66
20	Protective Effects of N-acetyl-L-cysteine on the Reduction of Dopamine Transporters in the Striatum of Monkeys Treated with Methamphetamine. <i>Neuropsychopharmacology</i> , 2004, 29, 2018-2023.	5.4	64
21	Alterations in $\alpha 4\beta 2$ nicotinic receptors in cognitive decline in Alzheimer's aetiopathology. <i>Brain</i> , 2013, 136, 3004-3017.	7.6	63
22	Effects of acute acetylcholinesterase inhibition on the cerebral cholinergic neuronal system and cognitive function: Functional imaging of the conscious monkey brain using animal PET in combination with microdialysis. <i>Synapse</i> , 2004, 52, 1-10.	1.2	59
23	Subanesthetic Doses of Ketamine Transiently Decrease Serotonin Transporter Activity: A PET Study in Conscious Monkeys. <i>Neuropsychopharmacology</i> , 2013, 38, 2666-2674.	5.4	58
24	Decline of striatal dopamine release in parkin-deficient mice shown by ex vivo autoradiography. <i>Journal of Neuroscience Research</i> , 2006, 84, 1350-1357.	2.9	57
25	Protective Effects of Minocycline on the Reduction of Dopamine Transporters in the Striatum After Administration of Methamphetamine: A Positron Emission Tomography Study in Conscious Monkeys. <i>Biological Psychiatry</i> , 2007, 61, 577-581.	1.3	57
26	Novel Amphiphilic Probes for [¹⁸ F]-Radiolabeling Preformed Liposomes and Determination of Liposomal Trafficking by Positron Emission Tomography. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6454-6457.	6.4	53
27	Characterization of 3 PET Tracers for Quantification of Mitochondrial and Synaptic Function in Healthy Human Brain: ¹⁸ F-BCPP-EF, ¹¹ C-SA-4503, and ¹¹ C-UCB-J. <i>Journal of Nuclear Medicine</i> , 2020, 61, 96-103.	5.0	53
28	An increase of sigma1 receptors in the aged monkey brain. <i>Neurobiology of Aging</i> , 2003, 24, 745-752.	3.1	52
29	Age-related impairment of coupling mechanism between neuronal activation and functional cerebral blood flow response was restored by cholinesterase inhibition: PET study with microdialysis in the awake monkey brain. <i>Brain Research</i> , 2000, 857, 158-164.	2.2	50
30	Development of Double-Stranded siRNA Labeling Method Using Positron Emitter and Its In Vivo Trafficking Analyzed by Positron Emission Tomography. <i>Bioconjugate Chemistry</i> , 2010, 21, 756-763.	3.6	50
31	Novel PET Probes ¹⁸ F-BCPP-EF and ¹⁸ F-BCPP-BF for Mitochondrial Complex I: A PET Study in Comparison with ¹⁸ F-BMS-747158-02 in Rat Brain. <i>Journal of Nuclear Medicine</i> , 2014, 55, 473-480.	5.0	49
32	Functional role of sialyl Lewis X and fibronectin-derived RGDS peptide analogue on tumor-cell arrest in lungs followed by extravasation. , 1996, 65, 833-839.		46
33	Functional Brain Mapping of the Macaque Related to Spatial Working Memory as Revealed by PET. <i>Cerebral Cortex</i> , 2004, 14, 106-119.	2.9	46
34	Multitracer assessment of dopamine function after transplantation of embryonic stem cell-derived neural stem cells in a primate model of Parkinson's disease. <i>Synapse</i> , 2009, 63, 541-548.	1.2	46
35	Development of novel PET probes, [¹⁸ F]BCPP-EF, [¹⁸ F]BCPP-BF, and [¹¹ C]BCPP-EM for mitochondrial complex 1 imaging in the living brain. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2013, 56, 553-561.	1.0	45
36	Effects of aging on serotonin transporter availability and its response to fluvoxamine in the living brain: PET study with [¹¹ C](+)-McN5652 and [¹¹ C](-)-McN5652 in conscious monkeys. <i>Synapse</i> , 2001, 40, 170-179.	1.2	43

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37	Evaluation of D-isomers of O-11C-methyl tyrosine and O-18F-fluoromethyl tyrosine as tumor-imaging agents in tumor-bearing mice: comparison with L- and D-11C-methionine. <i>Journal of Nuclear Medicine</i> , 2006, 47, 679-88.	5.0	43
38	Evaluation of D-isomers of O-18F-fluoromethyl, O-18F-fluoroethyl and O-18F-fluoropropyl tyrosine as tumour imaging agents in mice. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006, 33, 1017-1024.	6.4	42
39	Reduction of [11C](+)-3-MPB Binding in Brain of Chronic Fatigue Syndrome with Serum Autoantibody against Muscarinic Cholinergic Receptor. <i>PLoS ONE</i> , 2012, 7, e51515.	2.5	42
40	Brain activation study by use of positron emission tomography in unanesthetized monkeys. <i>Neuroscience Letters</i> , 1994, 182, 279-282.	2.1	41
41	Age-related changes in the striatal dopaminergic system in the living brain: A multiparametric PET study in conscious monkeys. <i>Synapse</i> , 2002, 45, 38-45.	1.2	41
42	Potential of [18F]-CFT- β (2-(2-carbomethoxy-3-(4-fluorophenyl)-8-(2-[18F]fluoroethyl)nortropane) as a dopamine transporter ligand: A PET study in the conscious monkey brain. <i>Synapse</i> , 2004, 54, 37-45.	1.2	41
43	In Vivo Quantitative Autoradiographic Analysis of Brain Muscarinic Receptor Occupancy by Antimuscarinic Agents for Overactive Bladder Treatment. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 325, 774-781.	2.5	41
44	Liposome-Encapsulated Hemoglobin Ameliorates Ischemic Stroke in Nonhuman Primates: An Acute Study. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 429-436.	2.5	41
45	Dose-response and duration effects of acute administrations of cocaine and GBR12909 on dopamine synthesis and transporter in the conscious monkey brain: PET studies combined with microdialysis. <i>Brain Research</i> , 2000, 860, 141-148.	2.2	40
46	Effect of fenfluramine-induced increases in serotonin release on [18F]MPPF binding: A continuous infusion PET study in conscious monkeys. <i>Synapse</i> , 2006, 59, 18-26.	1.2	40
47	Regulation of cerebral blood flow response to somatosensory stimulation through the cholinergic system: a positron emission tomography study in unanesthetized monkeys. <i>Brain Research</i> , 1997, 749, 10-17.	2.2	39
48	Evaluation of novel PET ligands (+)N-[11C]methyl-3-piperidyl benzilate ([11C](+)-3-MPB) and its stereoisomer [11C](-)-3-MPB for muscarinic cholinergic receptors in the conscious monkey brain: A PET study in comparison with [11C]4-MPB. <i>Synapse</i> , 2001, 39, 182-192.	1.2	39
49	Evaluation of d-18F-FMT, 18F-FDG, l-11C-MET, and 18F-FLT for Monitoring the Response of Tumors to Radiotherapy in Mice. <i>Journal of Nuclear Medicine</i> , 2009, 50, 290-295.	5.0	39
50	Liposome-Encapsulated Hemoglobin Reduces the Size of Cerebral Infarction in Rats: Effect of Oxygen Affinity. <i>Artificial Organs</i> , 2009, 33, 159-163.	1.9	38
51	Radiosynthesis and initial evaluation of 18F labeled nanocarrier composed of poly(L-lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 387-394.	0.6	38
52	4D deep image prior: dynamic PET image denoising using an unsupervised four-dimensional branch convolutional neural network. <i>Physics in Medicine and Biology</i> , 2021, 66, 015006.	3.0	38
53	Mapping of CNS sigma1 receptors in the conscious monkey: Preliminary PET study with [11C]SA4503. <i>Synapse</i> , 2001, 40, 235-237.	1.2	37
54	Evaluation of O-[18F]fluoromethyl-d-tyrosine as a radiotracer for tumor imaging with positron emission tomography. <i>Nuclear Medicine and Biology</i> , 2009, 36, 295-303.	0.6	36

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55	Multiparametric assessment of acute and subacute ischemic neuronal damage: A small animal positron emission tomography study with rat photochemically induced thrombosis model. <i>Synapse</i> , 2011, 65, 207-214.	1.2	35
56	Evaluation of ¹⁸ F-BCPP-EF for mitochondrial complex I imaging in the brain of conscious monkeys using PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 755-763.	6.4	35
57	Comparing amyloid- β deposition, neuroinflammation, glucose metabolism, and mitochondrial complex I activity in brain: a PET study in aged monkeys. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 2127-2136.	6.4	35
58	IN VIVO TRAFFICKING OF LONG-CIRCULATING LIPOSOMES IN TUMOUR-BEARING MICE DETERMINED BY POSITRON EMISSION TOMOGRAPHY. , 1996, 17, 435-441.		34
59	PET Imaging of Ischemia-Induced Impairment of Mitochondrial Complex I Function in Monkey Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 708-714.	4.3	34
60	Detection of reperfusion injury using PET in a monkey model of cerebral ischemia. <i>Journal of Nuclear Medicine</i> , 2000, 41, 1409-16.	5.0	34
61	Positron emission tomographic studies on aromatic L-amino acid decarboxylase activity in vivo for L-dopa and 5-hydroxy-L-tryptophan in the monkey brain. <i>Journal of Neural Transmission</i> , 1993, 94, 127-135.	2.8	33
62	Nicotine Normalizes Increased Prefrontal Cortical Dopamine D1 Receptor Binding and Decreased Working Memory Performance Produced by Repeated Pretreatment with MK-801: A PET Study in Conscious Monkeys. <i>Neuropsychopharmacology</i> , 2005, 30, 2144-2153.	5.4	33
63	Difference in in vivo receptor binding between [³ H]N-methylspiperone and [³ H]raclopride in reserpine-treated mouse brain. <i>Journal of Neural Transmission</i> , 1991, 85, 1-10.	2.8	32
64	Amyloid imaging in aged and young macaques with [¹¹ C]PIB and [¹⁸ F]FDDNP. <i>Synapse</i> , 2008, 62, 472-475.	1.2	32
65	Mitochondrial complex I abnormalities is associated with tau and clinical symptoms in mild Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2021, 16, 28.	10.8	32
66	Age-related reduction of [¹¹ C]MDL100,907 binding to central 5-HT _{2A} receptors:. <i>Brain Research</i> , 2000, 883, 135-142.	2.2	31
67	Effects of aging on 5-HT _{1A} receptors and their functional response to 5-HT _{1a} agonist in the living brain: PET study with [carbonyl- ¹¹ C]WAY-100635 in conscious monkeys. <i>Synapse</i> , 2001, 42, 242-251.	1.2	31
68	Facilitation of dopaminergic neural transmission does not affect [¹¹ C]SCH23390 binding to the striatal D1 dopamine receptors, but the facilitation enhances phosphodiesterase type-IV activity through D1 receptors: PET studies in the conscious monkey brain. <i>Synapse</i> , 2001, 42, 258-265.	1.2	31
69	Synthesis and evaluation of new imaging agent for central nicotinic acetylcholine receptor $\alpha 7$ subtype. <i>Nuclear Medicine and Biology</i> , 2010, 37, 347-355.	0.6	30
70	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.	5.0	30
71	Evaluation of PET ligands (+)N-[¹¹ C]ethyl-3-piperidyl benzilate and (+)N-[¹¹ C]propyl-3-piperidyl benzilate for muscarinic cholinergic receptors: A PET study with microdialysis in comparison with (+)N-[¹¹ C]methyl-3-piperidyl benzilate in the conscious monkey brain. <i>Synapse</i> , 2001, 40, 159-169.	1.2	29
72	Specific ligand for a central type prostacyclin receptor attenuates neuronal damage in a rat model of focal cerebral ischemia. <i>Brain Research</i> , 2002, 925, 176-182.	2.2	29

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73	In vivo TSPO and cannabinoid receptor type 2 availability early in post-stroke neuroinflammation in rats: a positron emission tomography study. <i>Journal of Neuroinflammation</i> , 2017, 14, 69.	7.2	29
74	Functional activation of cerebral blood flow abolished by scopolamine is reversed by cognitive enhancers associated with cholinesterase inhibition: a positron emission tomography study in unanesthetized monkeys. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1997, 281, 1408-14.	2.5	29
75	Three-dimensional stereotactic surface projection analysis of macaque brain PET: development and initial applications. <i>Journal of Nuclear Medicine</i> , 2000, 41, 1879-87.	5.0	29
76	Effect of 6R-L-erythro-5,6,7,8-tetrahydrobiopterin and infusion of L-tyrosine on the in vivo L-[2 - 11 C]DOPA disposition in the monkey brain. <i>Brain Research</i> , 1996, 713, 92-98.	2.2	28
77	Age differences in muscarinic cholinergic receptors assayed with (+)N-[11 C]methyl-3-piperidyl benzilate in the brains of conscious monkeys. <i>Synapse</i> , 2001, 41, 248-257.	1.2	28
78	Determination of Kinetic Rate Constants for 2-[18 F]fluoro-2-deoxy-d-glucose and Partition Coefficient of Water in Conscious Macaques and Alterations in Aging or Anesthesia Examined on Parametric Images with an Anatomic Standardization Technique. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 1441-1447.	4.3	28
79	Noninvasive evaluation of brain muscarinic receptor occupancy of oxybutynin, darifenacin and imidafenacin in rats by positron emission tomography. <i>Life Sciences</i> , 2010, 87, 175-180.	4.3	28
80	Age differences in phosphodiesterase type-IV and its functional response to dopamine D1 receptor modulation in the living brain: A PET study in conscious monkeys. <i>Synapse</i> , 2002, 44, 139-145.	1.2	27
81	Transient Focal Ischemia Affects the cAMP Second Messenger System and Coupled Dopamine D1 and 5-HT1A Receptors in the Living Monkey Brain: A Positron Emission Tomography Study Using Microdialysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 898-906.	4.3	27
82	Effect of oxybutynin and imidafenacin on central muscarinic receptor occupancy and cognitive function: A monkey PET study with [11 C](+)3-MPB. <i>NeuroImage</i> , 2011, 58, 1-9.	4.2	26
83	Neuroprotection by a Central Nervous System ϵ -Type Prostacyclin Receptor Ligand Demonstrated in Monkeys Subjected to Middle Cerebral Artery Occlusion and Reperfusion. <i>Stroke</i> , 2006, 37, 2830-2836.	2.0	25
84	Synthesis and evaluation of vesamicol analog (-)-o-[11 C]methylvesamicol as a PET ligand for vesicular acetylcholine transporter. <i>Annals of Nuclear Medicine</i> , 2006, 20, 417-424.	2.2	24
85	Nicotine sensitization of monkey striatal dopamine release. <i>European Journal of Pharmacology</i> , 2009, 607, 91-95.	3.5	24
86	Muscarinic Receptor Occupancy and Cognitive Impairment: A PET Study with [11 C](+)3-MPB and Scopolamine in Conscious Monkeys. <i>Neuropsychopharmacology</i> , 2011, 36, 1455-1465.	5.4	24
87	Focal Cortical Blood Flow Activation Is Regulated by Intrinsic Cortical Cholinergic Neurons. <i>NeuroImage</i> , 1996, 3, 195-201.	4.2	23
88	Possible role of immune surveillance at the initial phase of metastasis produced by B16BL6 melanoma cells. <i>FEBS Letters</i> , 2000, 467, 211-216.	2.8	23
89	Upregulation of cannabinoid receptor type 2, but not TSPO, in senescence-accelerated neuroinflammation in mice: a positron emission tomography study. <i>Journal of Neuroinflammation</i> , 2019, 16, 208.	7.2	23
90	Effect of 6R-L-erythro-5,6,7,8-tetrahydrobiopterin on in vivo L-[2 - 11 C]DOPA turnover in the rat striatum with infusion of L-tyrosine. <i>Journal of Neural Transmission</i> , 1994, 95, 1-15.	2.8	22

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91	Effect of 6R-l-erythro-5,6,7,8-tetrahydrobiopterin on the extracellular levels of dopamine and serotonin in the rat striatum: a microdialysis study with tyrosine or tryptophan infusion. <i>Brain Research</i> , 1994, 635, 59-67.	2.2	22
92	Changes in local cerebral blood flow in photochemically induced thrombotic occlusion model in rats. <i>European Journal of Pharmacology</i> , 2000, 398, 375-379.	3.5	22
93	N-methyl-d-aspartate antagonists as drug models of schizophrenia: a surprising link to tobacco smoking. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2004, 28, 801-811.	4.8	22
94	Ketamine/xylazine anesthesia alters [¹¹ C]MNPA binding to dopamine D ₂ receptors and response to methamphetamine challenge in monkey brain. <i>Synapse</i> , 2009, 63, 534-537.	1.2	22
95	Liposome-Encapsulated Hemoglobin Ameliorates Ischemic Stroke in Nonhuman Primates: Longitudinal Observation. <i>Artificial Organs</i> , 2013, 37, 904-912.	1.9	22
96	Differential effects of stress on [¹¹ C]raclopride and [¹¹ C]MNPA binding to striatal D ₂ /D ₃ dopamine receptors: A PET study in conscious monkeys. <i>Synapse</i> , 2011, 65, 84-89.	1.2	21
97	Effects of increased endogenous serotonin on the in vivo binding of [¹¹ C]DASB to serotonin transporters in conscious monkey brain. <i>Synapse</i> , 2007, 61, 724-731.	1.2	19
98	Denosing of Dynamic Sinogram by Image Guided Filtering for Positron Emission Tomography. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018, 2, 541-548.	3.7	19
99	Effect of MPTP on Serotonergic Neuronal Systems and Mitochondrial Complex I Activity in the Living Brain: A PET Study on Conscious Rhesus Monkeys. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1111-1116.	5.0	18
100	FK960 [N-(4-acetyl-1-piperazinyl)-p-fluorobenzamide monohydrate], a novel potential antidementia drug, restores the regional cerebral blood flow response abolished by scopolamine but not by HA-966: a positron emission tomography study with unanesthetized rhesus monkeys. <i>Brain Research</i> , 1999, 832, 118-123.	2.2	17
101	In vivo positron emission tomography imaging of mitochondrial abnormalities in a mouse model of tauopathy. <i>Neurobiology of Aging</i> , 2020, 94, 140-148.	3.1	17
102	Interactions of cholinergic and glutamatergic neuronal systems in the functional activation of cerebral blood flow response: a PET study in unanesthetized monkeys. <i>Brain Research</i> , 1998, 796, 82-90.	2.2	16
103	Development of an automated synthesis apparatus for l-[3- ¹¹ C] labeled aromatic amino acids. <i>Applied Radiation and Isotopes</i> , 2000, 52, 845-850.	1.5	16
104	Preclinical and clinical evaluation of O-[¹¹ C]methyl-l-tyrosine for tumor imaging by positron emission tomography. <i>Nuclear Medicine and Biology</i> , 2005, 32, 253-262.	0.6	16
105	Development and evaluation of muscarinic cholinergic receptor ligands n-[¹¹ C]ethyl-4-piperidyl benzilate and n-[¹¹ C]propyl-4-piperidyl benzilate: a pet study in comparison with n-[¹¹ C]methyl-4-piperidyl benzilate in the conscious monkey brain. <i>Nuclear Medicine and Biology</i> , 2000, 27, 733-740.	0.6	15
106	Cholinergic neuronal modulations affect striatal dopamine transporter activity: PET studies in the conscious monkey brain. <i>Synapse</i> , 2001, 42, 193-195.	1.2	15
107	Age-related changes in muscarinic cholinergic receptors in the living brain: a PET study using N-[¹¹ C]methyl-4-piperidyl benzilate combined with cerebral blood flow measurement in conscious monkeys. <i>Brain Research</i> , 2001, 916, 22-31.	2.2	15
108	Gene therapy for Parkinson's disease using recombinant adeno-associated viral vectors. <i>Expert Opinion on Biological Therapy</i> , 2005, 5, 663-671.	3.1	15

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109	Testâ€“retest variability and reference region-based quantification of ¹⁸ F-BCPP-EF for imaging mitochondrial complex I in the human brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 771-779.	4.3	15
110	Role of Sialylglycoconjugate(s) in the Initial Phase of Metastasis of Liver-metastatic RAW117 Lymphoma Cells. <i>Japanese Journal of Cancer Research</i> , 1998, 89, 1296-1305.	1.7	13
111	Usefulness of positron emission tomographic visualization for examination of in vivo susceptibility to metastasis. <i>Cancer</i> , 2000, 89, 1626-1633.	4.1	13
112	An application of a new planar positron imaging system (PPIS) in a small animal: MPTP-induced Parkinsonism in mouse. <i>Annals of Nuclear Medicine</i> , 2004, 18, 427-431.	2.2	13
113	Nicotine modulates dopamine synthesis rate as determined by L-[¹² - ¹¹ C]DOPA: PET studies compared with [¹¹ C]raclopride binding in the conscious monkey brain. <i>Synapse</i> , 2005, 57, 120-122.	1.2	13
114	The potential of (¹¹ C)methylvesamicol for diagnosing cholinergic deficit dementia. <i>Synapse</i> , 2009, 63, 167-171.	1.2	13
115	Non-invasive evaluation of neuroprotective drug candidates for cerebral infarction by PET imaging of mitochondrial complex-I activity. <i>Scientific Reports</i> , 2016, 6, 30127.	3.3	13
116	Evaluation of 6- ¹¹ C-Methyl-L-Tyrosine as a PET Probe for Presynaptic Dopaminergic Activity: A Comparison PET Study with [¹² - ¹¹ C]-DOPA and ¹⁸ F-FDOPA in Parkinson Disease Monkeys. <i>Journal of Nuclear Medicine</i> , 2016, 57, 303-308.	5.0	13
117	Yohimbine increases the binding potential for [¹¹ C]flumazenil in the monkey brain. <i>Journal of Neural Transmission</i> , 2001, 108, 1375-1382.	2.8	11
118	Detection of ischemic neuronal damage with [¹⁸ F]BMS-747158, a mitochondrial complex-I positron emission tomography ligand: Small animal PET study in rat brain. <i>Synapse</i> , 2012, 66, 909-917.	1.2	11
119	Comparing ¹²⁵ I nicotinic acetylcholine receptor binding, amyloid ^β deposition, and mitochondria complex-I function in living brain: A PET study in aged monkeys. <i>Synapse</i> , 2015, 69, 475-483.	1.2	11
120	Synthesis of a ¹¹ C-labelled derivative of the N-methyl-D-aspartate receptor antagonist MK-801. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1998, 41, 567-576.	1.0	10
121	PET imaging of ischemic neuronal death in the hippocampus of living monkeys. <i>Hippocampus</i> , 2002, 12, 109-118.	1.9	10
122	Sensitivities of benzodiazepine receptor binding and muscarinic acetylcholine receptor binding for the detection of neural cell death caused by sodium nitroprusside microinjection in rat brain. <i>Synapse</i> , 2003, 49, 134-141.	1.2	10
123	Evaluation of in vivo selective binding of [¹¹ C]doxepin to histamine H1 receptors in five animal species. <i>Nuclear Medicine and Biology</i> , 2004, 31, 493-502.	0.6	10
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