

# Norihiro Harada

## List of Publications by Year in descending order

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61  
papers

2,390  
citations

159585

30  
h-index

206112

48  
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64  
all docs

64  
docs citations

64  
times ranked

2658  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanogel antigenic protein-delivery system for adjuvant-free intranasal vaccines. <i>Nature Materials</i> , 2010, 9, 572-578.	27.5	433
2	Ketamine decreased striatal [ <sup>11</sup> 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
3	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
4	Is synaptic dopamine concentration the exclusive factor which alters the in vivo binding of [ <sup>11</sup> C]raclopride?: PET studies combined with microdialysis in conscious monkeys. <i>Brain Research</i> , 1999, 841, 160-169.	2.2	96
5	Cholinergic Neuronal Modulation Alters Dopamine D <sub>2</sub> 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
6	Comparative effects of methamphetamine and nicotine on the striatal [ <sup>11</sup> C]raclopride binding in unanesthetized monkeys. <i>Synapse</i> , 2002, 45, 207-212.	1.2	90
7	Evaluation of 3'-deoxy-3'- <sup>18</sup> 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
8	Ketamine alters the availability of striatal dopamine transporter as measured by [ <sup>11</sup> C]-CFT and [ <sup>11</sup> C]-CIT-FE in the monkey brain. <i>Synapse</i> , 2001, 42, 273-280.	1.2	66
9	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
10	Novel Amphiphilic Probes for [ <sup>18</sup> 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
11	An increase of sigma1 receptors in the aged monkey brain. <i>Neurobiology of Aging</i> , 2003, 24, 745-752.	3.1	52
12	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
13	Novel PET Probes <sup>18</sup> F-BCPP- <sup>18</sup> F and <sup>18</sup> F-BCPP- <sup>18</sup> F for Mitochondrial Complex I: A PET Study in Comparison with <sup>18</sup> F-BMS-747158-02 in Rat Brain. <i>Journal of Nuclear Medicine</i> , 2014, 55, 473-480.	5.0	49
14	In Vivo Distribution of Liposome-Encapsulated Hemoglobin Determined by Positron Emission Tomography. <i>Artificial Organs</i> , 2009, 33, 164-168.	1.9	46
15	PET imaging of nobiletin based on a practical total synthesis. <i>Chemical Communications</i> , 2011, 47, 2868.	4.1	46
16	Development of novel PET probes, [ <sup>18</sup> F]BCPP- <sup>18</sup> F, [ <sup>18</sup> F]BCPP- <sup>18</sup> F, and [ <sup>11</sup> C]BCPP- <sup>11</sup> C for mitochondrial complex 1 imaging in the living brain. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2013, 56, 553-561.	1.0	45
17	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
18	Potential of [ <sup>18</sup> F]-CFT-FE (2-(2-carbomethoxy-3-(4-fluorophenyl)-8-(2-[( <sup>18</sup> F]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

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19	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
20	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
21	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
22	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
23	Evaluation of 18F-BCPP-EF for mitochondrial complex 1 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
24	Comparing amyloid- $\beta$ 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
25	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
26	Effects of aging on 5-HT1A receptors and their functional response to 5-HT1a agonist in the living brain: PET study with [carbonyl-11C]WAY-100635 in conscious monkeys. <i>Synapse</i> , 2001, 42, 242-251.	1.2	31
27	Facilitation of dopaminergic neural transmission does not affect [11C]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
28	Synthesis and evaluation of fluorine-18-labeled SA4503 as a selective sigma1 receptor ligand for positron emission tomography. <i>Nuclear Medicine and Biology</i> , 2007, 34, 571-577.	0.6	31
29	In Vivo Molecular Imaging Analysis of a Nasal Vaccine That Induces Protective Immunity against Botulism in Nonhuman Primates. <i>Journal of Immunology</i> , 2010, 185, 5436-5443.	0.8	31
30	Real-Time Trafficking of PEGylated Liposomes in the Rodent Focal Brain Ischemia Analyzed by Positron Emission Tomography. <i>Artificial Organs</i> , 2014, 38, 662-666.	1.9	31
31	PET Imaging of Mitochondrial Complex I with <sup>18</sup> F-BCPP-EF in the Brains of MPTP-Treated Monkeys. <i>Journal of Nuclear Medicine</i> , 2016, 57, 950-953.	5.0	30
32	Evaluation of PET ligands (+)N-[11C]ethyl-3-piperidyl benzilate and (+)N-[11C]propyl-3-piperidyl benzilate for muscarinic cholinergic receptors: A PET study with microdialysis in comparison with (+)N-[11C]methyl-3-piperidyl benzilate in the conscious monkey brain. <i>Synapse</i> , 2001, 40, 159-169.	1.2	29
33	Age differences in muscarinic cholinergic receptors assayed with (+)N-[11C]methyl-3-piperidyl benzilate in the brains of conscious monkeys. <i>Synapse</i> , 2001, 41, 248-257.	1.2	28
34	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
35	The effect of mucoadhesive excipient on the nasal retention time of and the antibody responses induced by an intranasal influenza vaccine. <i>Vaccine</i> , 2016, 34, 1201-1207.	3.8	25
36	Incorporation and translocation of 2-deoxy-2-[18F]fluoro-d-glucose in <i>Sorghum bicolor</i> (L.) Moench monitored using a planar positron imaging system. <i>Planta</i> , 2008, 227, 1181-1186.	3.2	22

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37	Ketamine/xylazine anesthesia alters [ <sup>11</sup> C]MNPA binding to dopamine D <sub>2</sub> receptors and response to methamphetamine challenge in monkey brain. <i>Synapse</i> , 2009, 63, 534-537.	1.2	22
38	Use of Positron Emission Tomography for Real-Time Imaging of Biodistribution of Green Tea Catechin. <i>PLoS ONE</i> , 2014, 9, e85520.	2.5	18
39	Development of an automated synthesis apparatus for l-[3- <sup>11</sup> C] labeled aromatic amino acids. <i>Applied Radiation and Isotopes</i> , 2000, 52, 845-850.	1.5	16
40	Preclinical and clinical evaluation of O-[ <sup>11</sup> C]methyl-l-tyrosine for tumor imaging by positron emission tomography. <i>Nuclear Medicine and Biology</i> , 2005, 32, 253-262.	0.6	16
41	Development and evaluation of muscarinic cholinergic receptor ligands n-[ <sup>11</sup> C]ethyl-4-piperidyl benzilate and n-[ <sup>11</sup> C]propyl-4-piperidyl benzilate: a pet study in comparison with n-[ <sup>11</sup> C]methyl-4-piperidyl benzilate in the conscious monkey brain. <i>Nuclear Medicine and Biology</i> , 2000, 27, 733-740.	0.6	15
42	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
43	Age-related changes in muscarinic cholinergic receptors in the living brain: a PET study using N-[ <sup>11</sup> 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
44	Nicotine modulates dopamine synthesis rate as determined by L-[ <sup>12</sup> - <sup>11</sup> C]DOPA: PET studies compared with [ <sup>11</sup> C]raclopride binding in the conscious monkey brain. <i>Synapse</i> , 2005, 57, 120-122.	1.2	13
45	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
46	Evaluation of 6-[ <sup>11</sup> C]-Methyl-L-Tyrosine as a PET Probe for Presynaptic Dopaminergic Activity: A Comparison PET Study with [ <sup>12</sup> - <sup>11</sup> C]-L-DOPA and [ <sup>18</sup> F]-FDOPA in Parkinson Disease Monkeys. <i>Journal of Nuclear Medicine</i> , 2016, 57, 303-308.	5.0	13
47	Detection of ischemic neuronal damage with [ <sup>18</sup> 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
48	Evaluation of in vivo selective binding of [ <sup>11</sup> C]doxepin to histamine H1 receptors in five animal species. <i>Nuclear Medicine and Biology</i> , 2004, 31, 493-502.	0.6	10
49	Positron emission tomographic measure of brain dopamine dependence to nicotine as a model of drugs of abuse. <i>Psychopharmacology</i> , 2009, 204, 149-153.	3.1	9
50	Automated synthesis of radiopharmaceuticals for PET: an apparatus for [ <sup>11</sup> C]labelled aldoses. <i>Journal of Automated Methods and Management in Chemistry</i> , 1994, 16, 195-204.	0.3	8
51	Differences in in vitro microglial accumulation of the energy metabolism tracers [ <sup>18</sup> F]FDG and [ <sup>18</sup> F]BCPP-EF during LPS- and IL4 stimulation. <i>Scientific Reports</i> , 2021, 11, 13200.	3.3	6
52	Measurement of the carbon source which is responsible for dilution in carbon-11 labelling reactions. <i>Applied Radiation and Isotopes</i> , 1993, 44, 629-630.	1.5	5
53	Synthesis of <sup>18</sup> F labelled FK960, a candidate anti-dementia drug, and PET studies in conscious monkeys. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2002, 45, 1219-1228.	1.0	5
54	Acute NMDA receptor antagonism induces biphasic striatal utilization of L-[ <sup>12</sup> - <sup>11</sup> C]DOPA: PET studies in the conscious monkey brain. <i>Synapse</i> , 2005, 57, 116-119.	1.2	5

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55	Feedback-Controlled Bolus plus Infusion (FC-B/I) Method for Quantitative Drug Assessment in Living Brain with PET. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 85-90.	4.3	4
56	In vivo alterations of mitochondrial activity and amyloidosis in early-stage senescence-accelerated mice: a positron emission tomography study. Journal of Neuroinflammation, 2021, 18, 288.	7.2	4
57	Synthesis of Long-Chain [ <sup>18</sup> F]Deoxyfluoropoly(ethylene glycol) Methyl Ethers and Their Noninvasive Pharmacokinetic Analysis by Positron Emission Tomography. Molecular Pharmaceutics, 2011, 8, 302-308.	4.6	2
58	In vivo evaluation of [11C]TMSX and [11C]KF21213 for mapping adenosine A2A receptors: Brain kinetics in the conscious monkey and P-glycoprotein modulation in the mouse brain. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S658-S658.	4.3	2
59	Synthesis and evaluation of N-isopropyl-p-[11C]methylamphetamine as a novel cerebral blood flow tracer for positron emission tomography. EJNMMI Research, 2020, 10, 115.	2.5	2
60	Application of PET with feedback injection control system for quantification of drug-induced effects on the brain function. International Congress Series, 2004, 1264, 202-205.	0.2	1
61	Application of feedback-controlled bolus plus infusion (FC-B/I) method for quantitative PET imaging of dopamine transporters with [ <sup>18</sup> F]Î²â€CFTâ€FE in conscious monkey brain. Synapse, 2013, 67, 42-50. <sup>1,2</sup>		1