

Mikael Palner

List of Publications by Citations

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37
papers

1,058
citations

15
h-index

32
g-index

43
ext. papers

1,204
ext. citations

5.4
avg, IF

3.95
L-index

#	Paper	IF	Citations
37	Species differences in blood-brain barrier transport of three positron emission tomography radioligands with emphasis on P-glycoprotein transport. <i>Drug Metabolism and Disposition</i> , 2009 , 37, 635-43	4.3	258
36	Semiconducting Polymer Nanoparticles with Persistent Near-Infrared Luminescence for In Vivo Optical Imaging. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11477-80	16.4	128
35	Radiosynthesis and in vivo evaluation of a series of substituted ¹¹ C-phenethylamines as 5-HT (2A) agonist PET tracers. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011 , 38, 681-93	8.8	97
34	Positron emission tomography imaging of drug-induced tumor apoptosis with a caspase-triggered nanoaggregation probe. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10511-4	16.4	83
33	¹¹ C-NS14492 as a novel PET radioligand for imaging cerebral alpha7 nicotinic acetylcholine receptors: in vivo evaluation and drug occupancy measurements. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 1449-56	8.9	51
32	Semiconducting Polymer Nanoparticles with Persistent Near-Infrared Luminescence for In Vivo Optical Imaging. <i>Angewandte Chemie</i> , 2015 , 127, 11639-11642	3.6	44
31	Preclinical Kinetic Analysis of the Caspase-3/7 PET Tracer ¹⁸ F-C-SNAT: Quantifying the Changes in Blood Flow and Tumor Retention After Chemotherapy. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 1415-21	8.9	41
30	Radiosynthesis and evaluation of ¹¹ C-CIMBI-5 as a 5-HT _{2A} receptor agonist radioligand for PET. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 1763-70	8.9	40
29	Preclinical safety assessment of the 5-HT _{2A} receptor agonist PET radioligand [¹¹ C]Cimbi-36. <i>Molecular Imaging and Biology</i> , 2013 , 15, 376-83	3.8	37
28	Synthesis and in vitro affinities of various MDL 100907 derivatives as potential ¹⁸ F-radioligands for 5-HT _{2A} receptor imaging with PET. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 2989-3002	3.4	32
27	Synthesis and binding studies of 2-arylapomorphines. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 4077-81	3.1	28
26	Synthesis, in vitro and in vivo evaluation of [¹¹ C]MMTP: a potential PET ligand for mGluR1 receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 3499-501	2.9	26
25	Total synthesis and evaluation of [¹⁸ F]MHMZ. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 1515-29	2.9	25
24	Further validation to support clinical translation of [(¹⁸ F)]FTC-146 for imaging sigma-1 receptors. <i>EJNMMI Research</i> , 2015 , 5, 49	3.6	17
23	In vivo assessment of behavioral recovery and circulatory exchange in the peritoneal parabiosis model. <i>Scientific Reports</i> , 2016 , 6, 29015	4.9	16
22	Positron Emission Tomography Imaging of Drug-Induced Tumor Apoptosis with a Caspase-Triggered Nanoaggregation Probe. <i>Angewandte Chemie</i> , 2013 , 125, 10705-10708	3.6	15
21	The Chemogenetic Receptor Ligand Clozapine N-Oxide Induces Neuroreceptor Occupancy and Reduces Striatal Glutamate Levels. <i>Frontiers in Neuroscience</i> , 2019 , 13, 187	5.1	14

20	Systemic catechol-O-methyl transferase inhibition enables the D1 agonist radiotracer R-[11C]SKF 82957. <i>Nuclear Medicine and Biology</i> , 2010 , 37, 837-43	2.1	14
19	Effects of unilateral 6-OHDA lesions on [3H]-N-propylnorapomorphine binding in striatum ex vivo and vulnerability to amphetamine-evoked dopamine release in rat. <i>Neurochemistry International</i> , 2011 , 58, 243-7	4.4	12
18	Quantification accuracy of a new HRRT high throughput rat hotel using transmission-based attenuation correction: A phantom study 2016 ,		10
17	Ex vivo evaluation of the serotonin 1A receptor partial agonist [1H]CUMI-101 in awake rats. <i>Synapse</i> , 2011 , 65, 715-23	2.4	8
16	Molecular and Functional Imaging Studies of Psychedelic Drug Action in Animals and Humans. <i>Molecules</i> , 2021 , 26,	4.8	8
15	The selective 5-HT receptor agonist 25CN-NBOH: Structure-activity relationship, in vivo pharmacology, and in vitro and ex vivo binding characteristics of [H]25CN-NBOH. <i>Biochemical Pharmacology</i> , 2020 , 177, 113979	6	8
14	Effects of common anesthetic agents on [F]flumazenil binding to the GABA receptor. <i>EJNMMI Research</i> , 2016 , 6, 80	3.6	6
13	Synaptic Density and Neuronal Metabolic Function Measured by Positron Emission Tomography in the Unilateral 6-OHDA Rat Model of Parkinson's Disease. <i>Frontiers in Synaptic Neuroscience</i> , 2021 , 13, 715811	3.5	6
12	Synthesis, Radiolabeling, and in Vitro and in Vivo Evaluation of [18F]ENL30: A Potential PET Radiotracer for the 5-HT7 Receptor. <i>ACS Omega</i> , 2019 , 4, 7344-7353	3.9	5
11	Structural combination of established 5-HT(2A) receptor ligands: new aspects of the binding mode. <i>Chemical Biology and Drug Design</i> , 2010 , 76, 361-6	2.9	5
10	Blocking of efflux transporters in rats improves translational validation of brain radioligands. <i>EJNMMI Research</i> , 2020 , 10, 124	3.6	5
9	Desorption Electrospray Ionization Mass Spectrometry Imaging of Cimbi-36, a 5-HT Receptor Agonist, with Direct Comparison to Autoradiography and Positron Emission Tomography. <i>Molecular Imaging and Biology</i> , 2021 , 23, 676-685	3.8	4
8	Development and Evaluation of Two Potential 5-HT Receptor PET Tracers: [F]ENL09 and [F]ENL10. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 3961-3968	5.7	3
7	A quantitative method for the selective 5-HT2A agonist 25CN-NBOH in rat plasma and brain. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 199, 114016	3.5	3
6	Radiosynthesis and ex vivo evaluation of (R)-(-)-2-chloro-N-[1-11C-propyl]n-propylnorapomorphine. <i>Nuclear Medicine and Biology</i> , 2010 , 37, 35-40	2.1	2
5	Dorsal striatal dopamine induces fronto-cortical hypoactivity and attenuates anxiety and compulsive behaviors in rats. <i>Neuropsychopharmacology</i> , 2021 ,	8.7	2
4	Acute sleep deprivation upregulates serotonin 2A receptors in the frontal cortex of mice via the immediate early gene Egr3.. <i>Molecular Psychiatry</i> , 2022 ,	15.1	1
3	Dorsal striatal dopamine induces fronto-cortical hypoactivity and implies reduced anxiety and compulsive behaviors in rats		1

2	An Pig Model for Testing Novel Positron Emission Tomography Radioligands Targeting Cerebral Protein Aggregates.. <i>Frontiers in Neuroscience</i> , 2022 , 16, 847074	5.1	o
1	Innentitelbild: Positron Emission Tomography Imaging of Drug-Induced Tumor Apoptosis with a Caspase-Triggered Nanoaggregation Probe (Angew. Chem. 40/2013). <i>Angewandte Chemie</i> , 2013 , 125, 10584-10584	3.6	