Mikael Palner

List of Publications by Year in Descending Order

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	Acute sleep deprivation upregulates serotonin 2A receptors in the frontal cortex of mice via the immediate early gene Egr3.. *Molecular Psychiatry*, **2022**,	15.1	1
36	An Pig Model for Testing Novel Positron Emission Tomography Radioligands Targeting Cerebral Protein Aggregates.. *Frontiers in Neuroscience*, **2022**, 16, 847074	5.1	0
35	Synaptic Density and Neuronal Metabolic Function Measured by Positron Emission Tomography in the Unilateral 6-OHDA Rat Model of Parkinson's Disease. *Frontiers in Synaptic Neuroscience*, **2021**, 13, 715811	3.5	6
34	Dorsal striatal dopamine induces fronto-cortical hypoactivity and attenuates anxiety and compulsive behaviors in rats. *Neuropsychopharmacology*, **2021**,	8.7	2
33	Desorption Electrospray Ionization Mass Spectrometry Imaging of Cimbi-36, a 5-HT Receptor Agonist, with Direct Comparison to Autoradiography and Positron Emission Tomography. *Molecular Imaging and Biology*, **2021**, 23, 676-685	3.8	4
32	Molecular and Functional Imaging Studies of Psychedelic Drug Action in Animals and Humans. *Molecules*, **2021**, 26,	4.8	8
31	A quantitative method for the selective 5-HT2A agonist 25CN-NBOH in rat plasma and brain. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 199, 114016	3.5	3
30	Blocking of efflux transporters in rats improves translational validation of brain radioligands. *EJNMMI Research*, **2020**, 10, 124	3.6	5
29	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. *Biochemical Pharmacology*, **2020**, 177, 113979	6	8
28	Synthesis, Radiolabeling, and in Vitro and in Vivo Evaluation of [18F]ENL30: A Potential PET Radiotracer for the 5-HT7 Receptor. *ACS Omega*, **2019**, 4, 7344-7353	3.9	5
27	Development and Evaluation of Two Potential 5-HT Receptor PET Tracers: [F]ENL09 and [F]ENL10. *ACS Chemical Neuroscience*, **2019**, 10, 3961-3968	5.7	3
26	The Chemogenetic Receptor Ligand Clozapine N-Oxide Induces Neuroreceptor Occupancy and Reduces Striatal Glutamate Levels. *Frontiers in Neuroscience*, **2019**, 13, 187	5.1	14
25	Effects of common anesthetic agents on [F]flumazenil binding to the GABA receptor. *EJNMMI Research*, **2016**, 6, 80	3.6	6
24	Quantification accuracy of a new HRRT high throughput rat hotel using transmission-based attenuation correction: A phantom study **2016**,		10
23	In vivo assessment of behavioral recovery and circulatory exchange in the peritoneal parabiosis model. *Scientific Reports*, **2016**, 6, 29015	4.9	16
22	Semiconducting Polymer Nanoparticles with Persistent Near-Infrared Luminescence for In Vivo Optical Imaging. *Angewandte Chemie - International Edition*, **2015**, 54, 11477-80	16.4	128
21	Preclinical Kinetic Analysis of the Caspase-3/7 PET Tracer 18F-C-SNAT: Quantifying the Changes in Blood Flow and Tumor Retention After Chemotherapy. *Journal of Nuclear Medicine*, **2015**, 56, 1415-21	8.9	41

20	Further validation to support clinical translation of [(18)F]FTC-146 for imaging sigma-1 receptors. *EJNMMI Research*, **2015**, 5, 49	3.6	17
19	Semiconducting Polymer Nanoparticles with Persistent Near-Infrared Luminescence for In Vivo Optical Imaging. *Angewandte Chemie*, **2015**, 127, 11639-11642	3.6	44
18	Preclinical safety assessment of the 5-HT2A receptor agonist PET radioligand [11C]Cimbi-36. *Molecular Imaging and Biology*, **2013**, 15, 376-83	3.8	37
17	Positron emission tomography imaging of drug-induced tumor apoptosis with a caspase-triggered nanoaggregation probe. *Angewandte Chemie - International Edition*, **2013**, 52, 10511-4	16.4	83
16	Positron Emission Tomography Imaging of Drug-Induced Tumor Apoptosis with a Caspase-Triggered Nanoaggregation Probe. *Angewandte Chemie*, **2013**, 125, 10705-10708	3.6	15
15	Innentitelbild: Positron Emission Tomography Imaging of Drug-Induced Tumor Apoptosis with a Caspase-Triggered Nanoaggregation Probe (Angew. Chem. 40/2013). *Angewandte Chemie*, **2013**, 125, 10584-10584	3.6	
14	Effects of unilateral 6-OHDA lesions on [3H]-N-propylnorapomorphine binding in striatum ex vivo and vulnerability to amphetamine-evoked dopamine release in rat. *Neurochemistry International*, **2011**, 58, 243-7	4.4	12
13	Radiosynthesis and in vivo evaluation of a series of substituted 11C-phenethylamines as 5-HT (2A) agonist PET tracers. *European Journal of Nuclear Medicine and Molecular Imaging*, **2011**, 38, 681-93	8.8	97
12	Ex vivo evaluation of the serotonin 1A receptor partial agonist [□H]CUMI-101 in awake rats. *Synapse*, **2011**, 65, 715-23	2.4	8
11	11C-NS14492 as a novel PET radioligand for imaging cerebral alpha7 nicotinic acetylcholine receptors: in vivo evaluation and drug occupancy measurements. *Journal of Nuclear Medicine*, **2011**, 52, 1449-56	8.9	51
10	Structural combination of established 5-HT(2A) receptor ligands: new aspects of the binding mode. *Chemical Biology and Drug Design*, **2010**, 76, 361-6	2.9	5
9	Radiosynthesis and ex vivo evaluation of (R)-(-)-2-chloro-N-[1-11C-propyl]n-propylnorapomorphine. *Nuclear Medicine and Biology*, **2010**, 37, 35-40	2.1	2
8	Systemic catechol-O-methyl transferase inhibition enables the D1 agonist radiotracer R-[11C]SKF 82957. *Nuclear Medicine and Biology*, **2010**, 37, 837-43	2.1	14
7	Radiosynthesis and evaluation of 11C-CIMBI-5 as a 5-HT2A receptor agonist radioligand for PET. *Journal of Nuclear Medicine*, **2010**, 51, 1763-70	8.9	40
6	Synthesis, in vitro and in vivo evaluation of [11C]MMTP: a potential PET ligand for mGluR1 receptors. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 3499-501	2.9	26
5	Species differences in blood-brain barrier transport of three positron emission tomography radioligands with emphasis on P-glycoprotein transport. *Drug Metabolism and Disposition*, **2009**, 37, 635-43	4	258
4	Synthesis and in vitro affinities of various MDL 100907 derivatives as potential 18F-radioligands for 5-HT2A receptor imaging with PET. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 2989-3002	3.4	32
3	Total synthesis and evaluation of [18F]MHMZ. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 1515-9	2.9	25

2	Synthesis and binding studies of 2-arylapomorphines. *Organic and Biomolecular Chemistry*, **2005**, 3, 4077-84	28

1	Dorsal striatal dopamine induces fronto-cortical hypoactivity and implies reduced anxiety and compulsive behaviors in rats	1