

Paul Cumming

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2518194/publications.pdf>

Version: 2024-02-01

271
papers

9,291
citations

41344

49
h-index

66911

78
g-index

283
all docs

283
docs citations

283
times ranked

9726
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of pigs in neuroscience: Modeling brain disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2007, 31, 728-751.	6.1	418
2	Correlation of Alcohol Craving With Striatal Dopamine Synthesis Capacity and D2/3Receptor Availability: A Combined [¹⁸ F]DOPA and [¹⁸ F]DMFP PET Study in Detoxified Alcoholic Patients. <i>American Journal of Psychiatry</i> , 2005, 162, 1515-1520.	7.2	253
3	⁶⁸ Ga-DOTATATE PET/CT for the Early Prediction of Response to Somatostatin Receptor-Mediated Radionuclide Therapy in Patients with Well-Differentiated Neuroendocrine Tumors. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1349-1356.	5.0	196
4	Emerging PET Radiotracers and Targets for Imaging of Neuroinflammation in Neurodegenerative Diseases: Outlook Beyond TSPO. <i>Molecular Imaging</i> , 2018, 17, 153601211879231.	1.4	158
5	Dopamine in amygdala gates limbic processing of aversive stimuli in humans. <i>Nature Neuroscience</i> , 2008, 11, 1381-1382.	14.8	150
6	Elevated [¹⁸ F]Fluorodopamine Turnover in Brain of Patients with Schizophrenia: An [¹⁸ F]Fluorodopa/Positron Emission Tomography Study. <i>Journal of Neuroscience</i> , 2007, 27, 8080-8087.	3.6	149
7	MR-Based Statistical Atlas of the Göttingen Minipig Brain. <i>NeuroImage</i> , 2001, 14, 1089-1096.	4.2	141
8	In Vivo Imaging of Macrophage Activity in the Coronary Arteries Using ⁶⁸ Ga-DOTATATE PET/CT: Correlation with Coronary Calcium Burden and Risk Factors. <i>Journal of Nuclear Medicine</i> , 2010, 51, 193-197.	5.0	137
9	The personality trait openness is related to cerebral 5-HTT levels. <i>NeuroImage</i> , 2009, 45, 280-285.	4.2	131
10	Meta-Analysis of Molecular Imaging of Serotonin Transporters in Major Depression. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1096-1103.	4.3	131
11	Methylphenidate-evoked changes in striatal dopamine correlate with inattention and impulsivity in adolescents with attention deficit hyperactivity disorder. <i>NeuroImage</i> , 2005, 25, 868-876.	4.2	122
12	Inverted-U-shaped correlation between dopamine receptor availability in striatum and sensation seeking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3870-3875.	7.1	121
13	Reduced dopamine D1 receptor binding in the ventral striatum of cigarette smokers. <i>Synapse</i> , 2001, 42, 48-53.	1.2	118
14	PET Studies of Cerebral Levodopa Metabolism: A Review of Clinical Findings and Modeling Approaches. <i>Neuroscientist</i> , 2009, 15, 635-650.	3.5	115
15	6-[¹⁸ F]fluoro-l-DOPA Metabolism in Living Human Brain: A Comparison of Six Analytical Methods. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 57-69.	4.3	113
16	Subchronic Haloperidol Downregulates Dopamine Synthesis Capacity in the Brain of Schizophrenic Patients In Vivo. <i>Neuropsychopharmacology</i> , 2003, 28, 787-794.	5.4	105
17	Compartmental analysis of dopa decarboxylation in living brain from dynamic positron emission tomograms. , 1998, 29, 37-61.		103
18	Human Striatal l-DOPA Decarboxylase Activity Estimated in vivo Using 6-[¹⁸ F]fluoro-DOPA and Positron Emission Tomography: Error Analysis and Application to Normal Subjects. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 43-56.	4.3	98

#	ARTICLE	IF	CITATIONS
19	Dopaminergic and GABAergic markers of impulsivity in rats: evidence for anatomical localisation in ventral striatum and prefrontal cortex. <i>European Journal of Neuroscience</i> , 2013, 37, 1519-1528.	2.6	95
20	Ventral striatal prediction error signaling is associated with dopamine synthesis capacity and fluid intelligence. <i>Human Brain Mapping</i> , 2013, 34, 1490-1499.	3.6	94
21	Sifting through the surfeit of neuroinflammation tracers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 204-224.	4.3	92
22	Prediction of oligodendroglial histology and LOH 1p/19q using dynamic [18F]FET-PET imaging in intracranial WHO grade II and III gliomas. <i>Neuro-Oncology</i> , 2012, 14, 1473-1480.	1.2	91
23	Formation and Clearance of Interstitial Metabolites of Dopamine and Serotonin in the Rat Striatum: An In Vivo Microdialysis Study. <i>Journal of Neurochemistry</i> , 1992, 59, 1905-1914.	3.9	89
24	Automated Classification and Removal of EEG Artifacts With SVM and Wavelet-ICA. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018, 22, 664-670.	6.3	89
25	Normalization in PET group comparison studies—The importance of a valid reference region. <i>NeuroImage</i> , 2008, 40, 529-540.	4.2	87
26	Pharmacokinetics of Plasma 6-[18F]Fluoro-L-3,4-Dihydroxyphenylalanine ([18F]FDOPA) in Humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 668-675.	4.3	81
27	High affinity histamine binding site is the H3 receptor: Characterization and autoradiographic localization in rat brain. <i>Synapse</i> , 1991, 8, 144-151.	1.2	78
28	Artefactual subcortical hyperperfusion in PET studies normalized to global mean: Lessons from Parkinson's disease. <i>NeuroImage</i> , 2009, 45, 249-257.	4.2	78
29	Striatal L-DOPA Decarboxylase Activity in Parkinson's Disease In Vivo: Implications for the Regulation of Dopamine Synthesis. <i>Journal of Neurochemistry</i> , 1993, 61, 1538-1541.	3.9	76
30	Relationship between PSA kinetics and [18F]fluorocholine PET/CT detection rates of recurrence in patients with prostate cancer after total prostatectomy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 271-282.	6.4	75
31	Longitudinal Assessment of Cerebral β 2-Amyloid Deposition in Mice Overexpressing Swedish Mutant β 2-Amyloid Precursor Protein Using ¹⁸ F-Florbetaben PET. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1127-1134.	5.0	75
32	Regulation of DOPA Decarboxylase Activity in Brain of Living Rat. <i>Journal of Neurochemistry</i> , 1995, 65, 1381-1390.	3.9	72
33	Modulation of [18F]fluorodopa (FDOPA) kinetics in the brain of healthy volunteers after acute haloperidol challenge. <i>NeuroImage</i> , 2006, 30, 1332-1339.	4.2	71
34	Prefrontal cognitive performance of healthy subjects positively correlates with cerebral FDOPA influx: An exploratory [18F]-fluoro-L-DOPA-PET investigation. <i>Human Brain Mapping</i> , 2007, 28, 931-939.	3.6	71
35	Specific Binding of [11C]Raclopride and N-[3H]Propyl-Norapomorphine to Dopamine Receptors in Living Mouse Striatum: Occupancy by Endogenous Dopamine and Guanosine Triphosphate-Free G Protein. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 596-604.	4.3	68
36	Association of inflammation of the left anterior descending coronary artery with cardiovascular risk factors, plaque burden and pericardial fat volume: a PET/CT study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 1203-1212.	6.4	68

#	ARTICLE	IF	CITATIONS
37	Treatment with Octreotide Does Not Reduce Tumor Uptake of ⁶⁸ Ga-DOTATATE as Measured by PET/CT in Patients with Neuroendocrine Tumors. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1679-1683.	5.0	67
38	Functional Representation of Olfactory Impairment in Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 22, 581-591.	2.6	66
39	Effect of partial volume correction on estimates of the influx and cerebral metabolism of 6-[¹⁸ F]fluoro-L-dopa studied with PET in normal control and Parkinson's disease subjects. <i>Synapse</i> , 2000, 37, 81-89.	1.2	65
40	Asymmetry in dopamine D2/3 receptors of caudate nucleus is lost with age. <i>NeuroImage</i> , 2007, 34, 870-878.	4.2	65
41	Effects of acute nicotine on hemodynamics and binding of [¹¹ C]raclopride to dopamine D2,3 receptors in pig brain. <i>NeuroImage</i> , 2003, 19, 1127-1136.	4.2	64
42	Parametric mapping of binding in human brain of D2 receptor ligands of different affinities. <i>Journal of Nuclear Medicine</i> , 2005, 46, 964-72.	5.0	61
43	Reduced Cerebral Fluoro-Dopamine Uptake in Adult Patients Suffering from Phenylketonuria. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 824-831.	4.3	59
44	A dopaminergic mechanism of antipsychotic drug efficacy, failure, and failure reversal: the role of the dopamine transporter. <i>Molecular Psychiatry</i> , 2020, 25, 2101-2118.	7.9	59
45	ADHD: increased dopamine receptor availability linked to attention deficit and low neonatal cerebral blood flow. <i>Developmental Medicine and Child Neurology</i> , 2004, 46, 179-183.	2.1	57
46	Kinetics of in vitro decarboxylation and the in vivo metabolism of 2- ¹⁸ F- and 6- ¹⁸ F-fluoroDOPA in the hooded rat. <i>Biochemical Pharmacology</i> , 1988, 37, 247-250.	4.4	56
47	Applications of positron emission tomography in animal models of neurological and neuropsychiatric disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 1188-1216.	6.1	56
48	PET Studies of Net Blood-Brain Clearance of FDOPA to Human Brain: Age-Dependent Decline of [¹⁸ F]Fluorodopamine Storage Capacity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 807-819.	4.3	55
49	Mapping Neuroreceptors at work: on the Definition and Interpretation of Binding Potentials after 20 years of Progress. <i>International Review of Neurobiology</i> , 2005, 63, 1-20.	2.0	52
50	The Value of the Dopamine D _{2/3} Receptor Ligand ¹⁸ F-Desmethoxyfallypride for the Differentiation of Idiopathic and Nonidiopathic Parkinsonian Syndromes. <i>Journal of Nuclear Medicine</i> , 2010, 51, 581-587.	5.0	51
51	Absolute abundances and affinity states of dopamine receptors in mammalian brain: A review. <i>Synapse</i> , 2011, 65, 892-909.	1.2	51
52	The Impact of Dopamine on Aggression: An [¹⁸ F]-FDOPA PET Study in Healthy Males. <i>Journal of Neuroscience</i> , 2013, 33, 16889-16896.	3.6	51
53	Tauopathy in veterans with long-term posttraumatic stress disorder and traumatic brain injury. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1139-1151.	6.4	51
54	Effect of age on markers for monoaminergic neurons of normal and MPTP-lesioned rhesus monkeys: A multi-tracer PET study. <i>NeuroImage</i> , 2006, 30, 26-35.	4.2	50

#	ARTICLE	IF	CITATIONS
55	Subcortical elevation of metabolism in Parkinson's disease – A critical reappraisal in the context of global mean normalization. <i>NeuroImage</i> , 2009, 47, 1514-1521.	4.2	50
56	[¹⁸ F]fallypride PET measurement of striatal and extrastriatal dopamine D _{2/3} receptor availability in recently abstinent alcoholics. <i>Addiction Biology</i> , 2012, 17, 490-503.	2.6	50
57	In Vivo Regulation of DOPA Decarboxylase by Dopamine Receptors in Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 1254-1260.	4.3	49
58	Net influx of plasma 6-[¹⁸ F]fluoro-L-DOPA (FDOPA) to the ventral striatum correlates with prefrontal processing of affective stimuli. <i>European Journal of Neuroscience</i> , 2006, 24, 305-313.	2.6	48
59	MAOA-VNTR polymorphism modulates context-dependent dopamine release and aggressive behavior in males. <i>NeuroImage</i> , 2016, 125, 378-385.	4.2	48
60	Amyloid pathology fingerprint differentiates post-traumatic stress disorder and traumatic brain injury. <i>NeuroImage: Clinical</i> , 2018, 19, 716-726.	2.7	48
61	Methylphenidate-Evoked Potentiation of Extracellular Dopamine in the Brain of Adolescents with Premature Birth. <i>Annals of the New York Academy of Sciences</i> , 2002, 965, 434-439.	3.8	47
62	Age-dependent decline of steady state dopamine storage capacity of human brain: An FDOPA PET study. <i>Neurobiology of Aging</i> , 2010, 31, 447-463.	3.1	47
63	Uptake and binding of the serotonin 5-HT _{1A} antagonist [¹⁸ F]-MPPF in brain of rats: Effects of the novel P-glycoprotein inhibitor tariquidar. <i>NeuroImage</i> , 2010, 49, 1406-1415.	4.2	47
64	Amyloid-PET predicts inhibition of de novo plaque formation upon chronic Î ³ -secretase modulator treatment. <i>Molecular Psychiatry</i> , 2015, 20, 1179-1187.	7.9	46
65	Imaging of P-glycoprotein-mediated pharmacoresistance in the hippocampus: Proof-of-concept in a chronic rat model of temporal lobe epilepsy. <i>Epilepsia</i> , 2010, 51, 1780-1790.	5.1	45
66	Chronic alcohol intake abolishes the relationship between dopamine synthesis capacity and learning signals in the ventral striatum. <i>European Journal of Neuroscience</i> , 2015, 41, 477-486.	2.6	45
67	Cross-Sectional Comparison of Small Animal [¹⁸ F]-Florbetaben Amyloid-PET between Transgenic AD Mouse Models. <i>PLoS ONE</i> , 2015, 10, e0116678.	2.5	45
68	First results on kinetic modelling and parametric imaging of dynamic ¹⁸ F-FDG datasets from a long-Axial FOV PET scanner in oncological patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 1997-2009.	6.4	45
69	Dopamine Storage Capacity in Caudate and Putamen of Patients with Early Parkinson's Disease: Correlation with Asymmetry of Motor Symptoms. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 358-370.	4.3	44
70	Endogenous competition against binding of [¹⁸ F]DMFP and [¹⁸ F]fallypride to dopamine D _{2/3} receptors in brain of living mouse. <i>Synapse</i> , 2010, 64, 313-322.	1.2	44
71	Kinetics of the metabolism of four PET radioligands in living minipigs. <i>Nuclear Medicine and Biology</i> , 2001, 28, 97-104.	0.6	43
72	In vivo imaging of dopamine receptors in a model of temporal lobe epilepsy. <i>Epilepsia</i> , 2010, 51, 415-422.	5.1	43

#	ARTICLE	IF	CITATIONS
73	Left ventricular dyssynchrony assessed by gated SPECT phase analysis is an independent predictor of death in patients with advanced coronary artery disease and reduced left ventricular function not undergoing cardiac resynchronization therapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 1561-1569.	6.4	42
74	Metabolic Correlates of Dopaminergic Loss in Dementia with Lewy Bodies. <i>Movement Disorders</i> , 2020, 35, 595-605.	3.9	42
75	A Kinetic Analysis of [¹⁸ F]Fluoro-Dihydroxyphenylalanine Metabolism in the Rat. <i>Journal of Neurochemistry</i> , 1994, 63, 1675-1682.	3.9	41
76	Quantitative [¹⁸ F]Fluorodopa/PET and Histology of Fetal Mesencephalic Dopaminergic Grafts to the Striatum of MPTP-Poisoned Minipigs. <i>Cell Transplantation</i> , 2002, 11, 733-746.	2.5	40
77	Stable Coronary Artery Disease: Prognostic Value of Myocardial Perfusion SPECT in Relation to Coronary Calcium Scoring—Long-term Follow-up. <i>Radiology</i> , 2009, 252, 682-690.	7.3	40
78	FDG-PET mapping the brain substrates of visuo-constructive processing in Alzheimer's disease. <i>Journal of Psychiatric Research</i> , 2010, 44, 462-469.	3.1	40
79	Effects of Smoking Cessation on Presynaptic Dopamine Function of Addicted Male Smokers. <i>Biological Psychiatry</i> , 2016, 80, 198-206.	1.3	40
80	Pig brain stereotaxic standard space: Mapping of cerebral blood flow normative values and effect of MPTP-lesioning. <i>Brain Research Bulletin</i> , 2005, 66, 17-29.	3.0	38
81	Striatal and Extrastriatal D2/D3-Receptor-Binding Properties of Ziprasidone. <i>Journal of Clinical Psychopharmacology</i> , 2008, 28, 608-617.	1.4	38
82	Language Patterns Discriminate Mild Depression From Normal Sadness and Euthymic State. <i>Frontiers in Psychiatry</i> , 2018, 9, 105.	2.6	37
83	Stimulation of dopa decarboxylase activity in striatum of healthy human brain secondary to NMDA receptor antagonism with a low dose of amantadine. , 1999, 34, 313-318.		36
84	MDMA-evoked changes in [¹¹ C]raclopride and [¹¹ C]NMSP binding in living pig brain. <i>Synapse</i> , 2004, 53, 222-233.	1.2	36
85	A Review of Molecular Imaging of Glutamate Receptors. <i>Molecules</i> , 2020, 25, 4749.	3.8	36
86	Detection of alpha2-adrenergic receptors in brain of living pig with ¹¹ C-yohimbine. <i>Journal of Nuclear Medicine</i> , 2006, 47, 2008-15.	5.0	36
87	Altered metabolism of [¹⁸ F]-6-fluorodopa in the hooded rat following inhibition of catechol-O-methyltransferase with U-0521. <i>Biochemical Pharmacology</i> , 1987, 36, 2527-2531.	4.4	35
88	ADHD: increased dopamine receptor availability linked to attention deficit and low neonatal cerebral blood flow. <i>Developmental Medicine and Child Neurology</i> , 2004, 46, 179-83.	2.1	35
89	Mapping the amphetamine-evoked changes in [¹¹ C]raclopride binding in living rat using small animal PET: Modulation by MAO-inhibition. <i>NeuroImage</i> , 2007, 35, 38-46.	4.2	34
90	Assessment of $\alpha 7$ nicotinic acetylcholine receptor availability in juvenile pig brain with [¹⁸ F]NS10743. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1541-1549.	6.4	34

#	ARTICLE	IF	CITATIONS
91	Synthesis, radiolabeling and in vivo evaluation of [¹¹ C]RAL-01, a potential phosphodiesterase 5 radioligand. <i>Nuclear Medicine and Biology</i> , 2006, 33, 593-597.	0.6	33
92	Dopamine D2/3 receptor occupancy by quetiapine in striatal and extrastriatal areas. <i>International Journal of Neuropsychopharmacology</i> , 2010, 13, 951-960.	2.1	33
93	On the accuracy of an [¹⁸ F]FDOPA compartmental model: evidence for vesicular storage of [¹⁸ F]fluorodopamine in vivo. <i>Journal of Neuroscience Methods</i> , 1997, 76, 157-165.	2.5	32
94	Pharmacokinetics of radiotracers in human plasma during positron emission tomography. , 1999, 34, 124-134.		32
95	The amount of dysfunctional but viable myocardium predicts long-term survival in patients with ischemic cardiomyopathy and left ventricular dysfunction. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1645-1653.	1.5	32
96	[³ H]DOPA Formed from [³ H]Tyrosine in Living Rat Brain Is Not Committed to Dopamine Synthesis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 491-499.	4.3	31
97	Acute neuroleptic stimulates DOPA decarboxylase in porcine brain in vivo. <i>Synapse</i> , 2001, 41, 172-175.	1.2	31
98	Kinetics of the uptake and distribution of the dopamine D2,3 agonist (R)-N-[1- ¹¹ C]n-propylnorapomorphine in brain of healthy and MPTP-treated Göttingen miniature pigs. <i>Nuclear Medicine and Biology</i> , 2003, 30, 547-553.	0.6	31
99	Peripheral benzodiazepine receptors in the brain of cirrhosis patients with manifest hepatic encephalopathy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006, 33, 810-816.	6.4	31
100	Electrocardiogram-Gated ¹⁸ F-FDG PET/CT Hybrid Imaging in Patients with Unsatisfactory Response to Cardiac Resynchronization Therapy: Initial Clinical Results. <i>Journal of Nuclear Medicine</i> , 2011, 52, 67-71.	5.0	31
101	Effects of acute detoxification of the herbal blend "Spice Gold"™ on dopamine D2/3 receptor availability: A [¹⁸ F]fallypride PET study. <i>European Neuropsychopharmacology</i> , 2013, 23, 1606-1610.	0.7	31
102	A comprehensive review of imaging findings in COVID-19 -status in early 2021. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2500-2524.	6.4	31
103	Inhibition of rat brain histamine-N-methyltransferase by 9-amino-1,2,3,4-tetrahydroacridine (THA). <i>Biochemical Pharmacology</i> , 1990, 40, 1345-1350.	4.4	30
104	Positron emission tomography of radioligand binding in porcine striatum in vivo: Haloperidol inhibition linked to endogenous ligand release. <i>Synapse</i> , 2000, 38, 87-101.	1.2	30
105	A Survey of Molecular Imaging of Opioid Receptors. <i>Molecules</i> , 2019, 24, 4190.	3.8	30
106	Synthesis and biological evaluation of both enantiomers of [¹⁸ F]flubatine, promising radiotracers with fast kinetics for the imaging of $\alpha 4 \beta 2$ -nicotinic acetylcholine receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 804-812.	3.0	29
107	The Competition Between Endogenous Dopamine and Radioligands for Specific Binding to Dopamine Receptors. <i>Annals of the New York Academy of Sciences</i> , 2002, 965, 440-450.	3.8	28
108	Elevated [¹⁸ F]FDOPA utilization in the periaqueductal gray and medial nucleus accumbens of patients with early Parkinson's disease. <i>NeuroImage</i> , 2010, 49, 2933-2939.	4.2	28

#	ARTICLE	IF	CITATIONS
109	Late-stage Anle138b treatment ameliorates tau pathology and metabolic decline in a mouse model of human Alzheimer's disease tau. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 67.	6.2	28
110	Glial activation is moderated by sex in response to amyloidosis but not to tau pathology in mouse models of neurodegenerative diseases. <i>Journal of Neuroinflammation</i> , 2020, 17, 374.	7.2	28
111	Gradients of dopamine D1- and D2/3-binding sites in the basal ganglia of pig and monkey measured by PET. <i>NeuroImage</i> , 2004, 22, 1076-1083.	4.2	27
112	Mapping the amphetamine-evoked dopamine release in the brain of the Göttingen minipig. <i>Brain Research Bulletin</i> , 2005, 65, 1-9.	3.0	27
113	Quantitative autoradiography of ligands for dopamine receptors and transporters in brain of Göttingen minipig: Comparison with results in vivo. <i>Synapse</i> , 2006, 59, 211-219.	1.2	27
114	Associations of [18F]-APN-1607 Tau PET Binding in the Brain of Alzheimer's Disease Patients With Cognition and Glucose Metabolism. <i>Frontiers in Neuroscience</i> , 2020, 14, 604.	2.8	27
115	Metabolism and blood-brain clearance of l-3,4-dihydroxy-[3H]phenylalanine ([3H]DOPA) and 6-[18F]fluoro-l-DOPA in the rat. <i>Biochemical Pharmacology</i> , 1995, 50, 943-946.	4.4	26
116	Baseline [18F]-FDOPA kinetics are predictive of haloperidol-induced changes in dopamine turnover and cognitive performance: A positron emission tomography study in healthy subjects. <i>NeuroImage</i> , 2008, 40, 1222-1231.	4.2	26
117	Cerebral metabolic rate of oxygen (CMRO ₂) in pig brain determined by PET after resuscitation from cardiac arrest. <i>Resuscitation</i> , 2009, 80, 701-706.	3.0	26
118	Cerebral oxygen metabolism in patients with early Parkinson's disease. <i>Journal of the Neurological Sciences</i> , 2012, 313, 123-128.	0.6	26
119	Smoking Normalizes Cerebral Blood Flow and Oxygen Consumption after 12-Hour Abstinence. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 699-705.	4.3	26
120	Altered serotonin and dopamine transporter availabilities in brain of depressed patients upon treatment with escitalopram: A [123I]β-CIT SPECT study. <i>European Neuropsychopharmacology</i> , 2015, 25, 873-881.	0.7	26
121	The effect of unilateral neurotoxic lesions to serotonin fibres in the medial forebrain bundle on the metabolism of [3H]DOPA in the telencephalon of the living rat. <i>Brain Research</i> , 1997, 747, 60-69.	2.2	25
122	Behavioral response to novelty correlates with dopamine receptor availability in striatum of Göttingen minipigs. <i>Behavioural Brain Research</i> , 2005, 164, 172-177.	2.2	25
123	A PET study of effects of chronic 3,4-methylenedioxymethamphetamine (MDMA, "ecstasy") on serotonin markers in Göttingen minipig brain. <i>Synapse</i> , 2007, 61, 478-487.	1.2	25
124	Radiosynthesis of racemic and enantiomerically pure (±)-[18F]flubatine: A promising PET radiotracer for neuroimaging of α4β2 nicotinic acetylcholine receptors. <i>Applied Radiation and Isotopes</i> , 2013, 74, 128-136.	1.5	25
125	Vulnerability to psychotogenic effects of ketamine is associated with elevated D2/3-receptor availability. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 745-754.	2.1	25
126	On the relationship of first-episode psychosis to the amphetamine-sensitized state: a dopamine D2/3 receptor agonist radioligand study. <i>Translational Psychiatry</i> , 2020, 10, 2.	4.8	25

#	ARTICLE	IF	CITATIONS
127	Molecular and Functional Imaging Studies of Psychedelic Drug Action in Animals and Humans. <i>Molecules</i> , 2021, 26, 2451.	3.8	25
128	Up-regulation of PK11195 binding in areas of axonal degeneration coincides with early microglial activation in mouse brain. <i>European Journal of Neuroscience</i> , 2006, 24, 991-1000.	2.6	24
129	A PET study of regional cerebral blood flow after experimental cardiopulmonary resuscitation. <i>Resuscitation</i> , 2007, 75, 98-104.	3.0	24
130	Validation of the Octamouse for Simultaneous ^{18}F -Fallypride Small-Animal PET Recordings from 8 Mice. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1576-1583.	5.0	24
131	Acute and Sustained Effects of Methylphenidate on Cognition and Presynaptic Dopamine Metabolism: An ^{18}F FDOPA PET Study. <i>Journal of Neuroscience</i> , 2014, 34, 14769-14776.	3.6	24
132	Impact of partial volume effect correction on cerebral ^{125}I -amyloid imaging in APP-Swe mice using ^{18}F -florbetaben PET. <i>NeuroImage</i> , 2014, 84, 843-853.	4.2	24
133	Interaction between LSD and dopamine D _{2/3} binding sites in pig brain. <i>Synapse</i> , 2005, 56, 198-204.	1.2	23
134	Molecular imaging of schizophrenia: Neurochemical findings in a heterogeneous and evolving disorder. <i>Behavioural Brain Research</i> , 2021, 398, 113004.	2.2	23
135	Inhibition of histamine-N-methyltransferase (HNMT) by fragments of 9-amino-1,2,3,4-tetrahydroacridine (tacrine) and by ^{125}I -carbolines. <i>Biochemical Pharmacology</i> , 1992, 44, 989-992.	4.4	22
136	Effect of catechol-O-methyltransferase inhibition on brain uptake of ^{18}F fluorodopa: Implications for compartmental modelling and clinical usefulness. , 1998, 30, 351-361.		22
137	Loss of metabolites from monkey striatum during PET with FDOPA. <i>Synapse</i> , 2001, 41, 212-218.	1.2	22
138	PET of Signal Transduction Pathways in Cancer. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1333-1336.	5.0	22
139	Management of Glucose Control in Noncritically Ill, Hospitalized Patients Receiving Parenteral and/or Enteral Nutrition: A Systematic Review. <i>Journal of Clinical Medicine</i> , 2019, 8, 935.	2.4	22
140	Effect of monoamine oxidase inhibition on amphetamine-evoked changes in dopamine receptor availability in the living pig: A dual tracer PET study with ^{11}C harmine and ^{11}C raclopride. <i>Synapse</i> , 2006, 59, 427-434.	1.2	21
141	Inhibition of ^{11}C mirtazapine binding by ^{125}I -adrenoceptor antagonists studied by positron emission tomography in living porcine brain. <i>Synapse</i> , 2006, 59, 463-471.	1.2	21
142	Left ventricular functional assessment in murine models of ischemic and dilated cardiomyopathy using ^{18}F FDG-PET: comparison with cardiac MRI and monitoring erythropoietin therapy. <i>EJNMMI Research</i> , 2012, 2, 43.	2.5	21
143	Surrogate markers for cerebral blood flow correlate with ^{18}F -fallypride binding potential at dopamine D _{2/3} receptors in human striatum. <i>Synapse</i> , 2013, 67, 199-203.	1.2	21
144	A binge high sucrose diet provokes systemic and cerebral inflammation in rats without inducing obesity. <i>Scientific Reports</i> , 2021, 11, 11252.	3.3	21

#	ARTICLE	IF	CITATIONS
145	Autoradiographic imaging of the serotonin transporter in the brain of rats and pigs using S-([18F]fluoromethyl)-(+)-McN5652. <i>European Neuropsychopharmacology</i> , 2003, 13, 387-397.	0.7	20
146	Antidepressant response to aripiprazole augmentation associated with enhanced FDOPA utilization in striatum: A preliminary PET study. <i>Psychiatry Research - Neuroimaging</i> , 2014, 221, 231-239.	1.8	20
147	MDMA-evoked changes in cerebral blood flow in living porcine brain: Correlation with hyperthermia. <i>Synapse</i> , 2004, 53, 214-221.	1.2	19
148	In response to: The validity of 18F-GE180 as a TSPO imaging agent. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1208-1211.	6.4	19
149	Longitudinal TSPO expression in tau transgenic P301S mice predicts increased tau accumulation and deteriorated spatial learning. <i>Journal of Neuroinflammation</i> , 2020, 17, 208.	7.2	19
150	Asymmetry of Fibrillar Plaque Burden in Amyloid Mouse Models. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1825-1831.	5.0	19
151	Traumatic brain injury fast-forwards Alzheimer's pathology: evidence from amyloid positron emission tomography imaging. <i>Journal of Neurology</i> , 2022, 269, 873-884.	3.6	19
152	PET radiopharmaceuticals for probing enzymes in the brain. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 3, 194-216.	1.0	19
153	Distribution of PK11195 binding sites in porcine brain studied by autoradiography in vitro and by positron emission tomography. <i>Synapse</i> , 2006, 59, 418-426.	1.2	18
154	Ratio of dopamine synthesis capacity to D2 receptor availability in ventral striatum correlates with central processing of affective stimuli. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 1147-1158.	6.4	18
155	Cerebral histamine levels are unaffected by MPTP administration in the mouse. <i>European Journal of Pharmacology</i> , 1989, 166, 299-301.	3.5	17
156	Kinetics of the uptake of [3H]paroxetine in the rat brain. <i>Synapse</i> , 1993, 15, 124-129.	1.2	17
157	Distribution of histamine H3 binding in forebrain of mouse and guinea pig. <i>Brain Research</i> , 1994, 664, 276-279.	2.2	17
158	[125I]Epibatidine-labelled nicotinic receptors in the extended striatum and cerebral cortex: lack of association with serotonergic afferents. <i>Brain Research</i> , 2002, 954, 227-236.	2.2	17
159	Imaging of $\alpha 7$ nicotinic acetylcholine receptors in brain and cerebral vasculature of juvenile pigs with [18F]NS14490. <i>EJNMMI Research</i> , 2014, 4, 43.	2.5	17
160	Effects of anticholinergic challenge on psychopathology and cognition in drug-free patients with schizophrenia and healthy volunteers. <i>Psychopharmacology</i> , 2015, 232, 1607-1617.	3.1	17
161	Histamine H3 binding sites in rat brain: localization in the nucleus of the solitary tract. <i>Brain Research</i> , 1994, 641, 198-202.	2.2	16
162	The kinetic behaviour of [3H]DOPA in living rat brain investigated by compartmental modelling of static autoradiograms. <i>Journal of Neuroscience Methods</i> , 1997, 78, 157-168.	2.5	16

#	ARTICLE	IF	CITATIONS
163	Enhanced [³ H]DOPA and [³ H]Dopamine Turnover in Striatum and Frontal Cortex In Vivo Linked to Glutamate Receptor Antagonism. <i>Journal of Neurochemistry</i> , 1998, 70, 1979-1985.	3.9	16
164	[¹¹ C]-NS 4194 versus [¹¹ C]-DASB for PET imaging of serotonin transporters in living porcine brain. <i>Synapse</i> , 2003, 49, 170-177.	1.2	16
165	Radiosynthesis and Validation of ¹⁸ F-FP-CMT, a Phenyltropane with Superior Properties for Imaging the Dopamine Transporter in Living Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1148-1156.	4.3	16
166	The role of striatal dopamine D2/3 receptors in cognitive performance in drug-free patients with schizophrenia. <i>Psychopharmacology</i> , 2018, 235, 2221-2232.	3.1	16
167	Microglial activation in the right amygdala-entorhinal-hippocampal complex is associated with preserved spatial learning in App mice. <i>NeuroImage</i> , 2021, 230, 117707.	4.2	16
168	Dorsal striatal dopamine induces fronto-cortical hypoactivity and attenuates anxiety and compulsive behaviors in rats. <i>Neuropsychopharmacology</i> , 2022, 47, 454-464.	5.4	16
169	Quantitative radioluminography of serotonin uptake sites in the porcine brain. <i>Synapse</i> , 2001, 39, 351-355.	1.2	15
170	Positron emission tomography in the assessment of left ventricular function in healthy rats: A comparison of four imaging methods. <i>Journal of Nuclear Cardiology</i> , 2013, 20, 262-274.	2.1	15
171	Classics in Neuroimaging: Imaging the Dopaminergic Pathway with PET. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1817-1819.	3.5	15
172	Subclasses of histamine H3 antagonist binding sites in rat brain. <i>Brain Research</i> , 1994, 641, 203-207.	2.2	14
173	Effects of unilateral 6-OHDA lesions on [³ H]-N-propylnorapomorphine binding in striatum ex vivo and vulnerability to amphetamine-evoked dopamine release in rat. <i>Neurochemistry International</i> , 2011, 58, 243-247.	3.8	14
174	Molecular Imaging and the Neuropathologies of Parkinson's Disease. <i>Current Topics in Behavioral Neurosciences</i> , 2011, 11, 117-148.	1.7	14
175	Specific binding of [¹⁸ F]fluoroethylamphetamine to monoamine oxidase A in rat brain cryostat sections, and compartmental analysis of binding in living brain. <i>Journal of Neurochemistry</i> , 2015, 135, 908-917.	3.9	14
176	Occupancy of pramipexole (Sifrol) at cerebral dopamine D2/3 receptors in Parkinson's disease patients. <i>NeuroImage: Clinical</i> , 2016, 12, 41-46.	2.7	14
177	A 3D Deep Residual Convolutional Neural Network for Differential Diagnosis of Parkinsonian Syndromes on ¹⁸ F-FDG PET Images. , 2019, 2019, 3531-3534.		14
178	Association between age of cannabis initiation and gray matter covariance networks in recent onset psychosis. <i>Neuropsychopharmacology</i> , 2021, 46, 1484-1493.	5.4	14
179	Clitter in the Darkness? Nonfibrillar β -Amyloid Plaque Components Significantly Impact the β -Amyloid PET Signal in Mouse Models of Alzheimer Disease. <i>Journal of Nuclear Medicine</i> , 2022, 63, 117-124.	5.0	14
180	White Matter Alterations Are Associated With Cognitive Dysfunction Decades After Moderate-to-Severe Traumatic Brain Injury and/or Posttraumatic Stress Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 1100-1109.	1.5	14

#	ARTICLE	IF	CITATIONS
181	Quantitative [18F]fluorodopa/PET and histology of fetal mesencephalic dopaminergic grafts to the striatum of MPTP-poisoned minipigs. <i>Cell Transplantation</i> , 2002, 11, 733-46.	2.5	14
182	Statistical mapping of effects of middle cerebral artery occlusion (MCAO) on blood flow and oxygen consumption in porcine brain. <i>Journal of Neuroscience Methods</i> , 2007, 160, 109-115.	2.5	13
183	Agonist binding fraction of dopamine D2/3 receptors in rat brain: A quantitative autoradiographic study. <i>Neurochemistry International</i> , 2010, 56, 747-752.	3.8	13
184	Increased Turnover of Dopamine in Caudate Nucleus of Detoxified Alcoholic Patients. <i>PLoS ONE</i> , 2013, 8, e73903.	2.5	13
185	Biodistribution studies of two 18F-labeled pyridinylphenyl amides as subtype selective radioligands for the dopamine D3 receptor. <i>Nuclear Medicine and Biology</i> , 2014, 41, 223-228.	0.6	13
186	On the Rate of Decarboxylation of Dopa to Dopamine in Living Mammalian Brain. <i>Annals of the New York Academy of Sciences</i> , 1997, 835, 274-308.	3.8	12
187	FDOPA metabolism in the adult porcine brain: influence of tracer circulation time and VOI selection on estimates of striatal DOPA decarboxylation. <i>Journal of Neuroscience Methods</i> , 2001, 111, 157-168.	2.5	12
188	Serotonin mediates rapid changes of striatal glucose and lactate metabolism after systemic 3,4-methylenedioxymethamphetamine (MDMA, "Ecstasy") administration in awake rats. <i>Neurochemistry International</i> , 2007, 51, 8-15.	3.8	12
189	Temporal Changes in Phosphatidylserine Expression and Glucose Metabolism after Myocardial Infarction: An in Vivo Imaging Study in Mice. <i>Molecular Imaging</i> , 2012, 11, 7290.2012.00010.	1.4	12
190	How the cerebral serotonin homeostasis predicts environmental changes: a model to explain seasonal changes of brain 5-HTT as intermediate phenotype of the 5-HTTLPR. <i>Psychopharmacology</i> , 2013, 230, 333-343.	3.1	12
191	Assessment of cerebral dopamine D 2 / 3 -receptors in patients with bilateral vestibular failure. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2014, 24, 403-413.	2.0	12
192	PET Neuroimaging: The White Elephant Packs His Trunk?. <i>NeuroImage</i> , 2014, 84, 1094-1100.	4.2	12
193	Towards guidelines to harmonize textural features in PET: Haralick textural features vary with image noise, but exposure-invariant domains enable comparable PET radiomics. <i>PLoS ONE</i> , 2020, 15, e0229560.	2.5	12
194	Pre-therapeutic microglia activation and sex determine therapy effects of chronic immunomodulation. <i>Theranostics</i> , 2021, 11, 8964-8976.	10.0	12
195	Traumatic brain injury augurs ill for prolonged deficits in the brain's structural and functional integrity following controlled cortical impact injury. <i>Scientific Reports</i> , 2021, 11, 21559.	3.3	12
196	Synthesis and Cerebral Uptake of 1-(1-[¹¹ C]Methyl-1 <i>H</i> -pyrrol-2-yl)-2-phenyl-2-(1-pyrrolidinyl)ethanone, a Novel Tracer for Positron Emission Tomography Studies of Monoamine Oxidase Type A. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1617-1622.	6.4	11
197	In Vivo Monitoring of Parathyroid Hormone Treatment after Myocardial Infarction in Mice with [⁶⁸ Ga]Annexin A5 and [¹⁸ F]Fluorodeoxyglucose Positron Emission Tomography. <i>Molecular Imaging</i> , 2014, 13, 7290.2014.00035.	1.4	11
198	PET neuroimaging of [¹¹ C]mirtazapine enantiomers in pigs. <i>European Neuropsychopharmacology</i> , 2006, 16, 350-357.	0.7	10

#	ARTICLE	IF	CITATIONS
199	Nephroprotective effects of enalapril after [177Lu]-DOTATATE therapy using serial renal scintigraphies in a murine model of radiation-induced nephropathy. <i>EJNMMI Research</i> , 2016, 6, 64.	2.5	10
200	Characterizing the heterogeneous metabolic progression in idiopathic REM sleep behavior disorder. <i>NeuroImage: Clinical</i> , 2020, 27, 102294.	2.7	10
201	Altered histamine H3 binding in rat forebrain after reserpine treatment. <i>Brain Research</i> , 1993, 602, 53-56.	2.2	9
202	Amisulpride-induced acute akathisia in OCD: an example of dysfunctional dopamine-serotonin interactions?. <i>Journal of Psychopharmacology</i> , 2012, 26, 887-890.	4.0	9
203	Compensation for cranial spill into the cerebellum improves quantitation of striatal dopamine D _{2/3} receptors in rats with prolonged [¹⁸ F]MFP infusions. <i>Synapse</i> , 2012, 66, 705-713.	1.2	9
204	Association between left ventricular mechanical dyssynchrony with myocardial perfusion and functional parameters in patients with left bundle branch block. <i>Journal of Nuclear Cardiology</i> , 2013, 20, 253-261.	2.1	9
205	Characterization of [¹²³ I]FP-CIT binding to the dopamine transporter in the striatum of tree shrews by quantitative <i>in vitro</i> autoradiography. <i>Synapse</i> , 2015, 69, 497-504.	1.2	9
206	Perturbed Development of Striatal Dopamine Transporters in Fatty Versus Lean Zucker Rats: a Follow-up Small Animal PET Study. <i>Molecular Imaging and Biology</i> , 2015, 17, 521-528.	2.6	9
207	Association between COVID-19 and catatonia manifestation in two adolescents in Central Asia: incidental findings or cause for alarm?. <i>Asian Journal of Psychiatry</i> , 2021, 63, 102761.	2.0	9
208	What have positron emission tomography and Zippy™ told us about the neuropharmacology of drug addiction?. <i>British Journal of Pharmacology</i> , 2011, 163, 1586-1604.	5.4	8
209	Altered connectivity between striatal and extrastriatal regions in patients with schizophrenia on maintenance antipsychotics: an [¹⁸ F]fallypride PET and functional MRI study. <i>Synapse</i> , 2018, 72, e22064.	1.2	8
210	Static versus Functional PET: Making Sense of Metabolic Connectivity. <i>Cerebral Cortex</i> , 2022, 32, 1125-1129.	2.9	8
211	Comparison of the binding distribution of agonist and antagonist ligands for histamine H3 receptors in pig brain by quantitative autoradiography. <i>European Journal of Pharmacology</i> , 2007, 564, 75-79.	3.5	7
212	Adrenergic drugs modulate the binding of [¹⁸ F]fallypride to dopamine D _{2/3} receptors in striatum of living mouse. <i>Synapse</i> , 2010, 64, 654-657.	1.2	7
213	The Assay of Enzyme Activity by Positron Emission Tomography. <i>NeuroMethods</i> , 2012, , 111-135.	0.3	7
214	Decline in prefrontal catecholamine synthesis explains age-related changes in cognitive speed beyond regional grey matter atrophy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 1462-1466.	6.4	7
215	A business of some heat: molecular imaging of phosphodiesterase 5. <i>Journal of Neurochemistry</i> , 2016, 136, 220-221.	3.9	7
216	Evaluation of different time domain peak models using extreme learning machine-based peak detection for EEG signal. <i>SpringerPlus</i> , 2016, 5, 1036.	1.2	7

#	ARTICLE	IF	CITATIONS
217	Objective identification of pain due to uterine contraction during the first stage of labour using continuous EEG signals and SVM. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019, 44, 1.	1.3	7
218	Monoamine Oxidase Inhibition by Plant-Derived β^2 -Carbolines; Implications for the Psychopharmacology of Tobacco and Ayahuasca. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	6
219	Fluorodopa F 18 Positron Emission Tomography and the Progression of Parkinson Disease. <i>Archives of Neurology</i> , 2005, 62, 1480.	4.5	5
220	MDMA-evoked changes in the binding of dopamine D ₂ receptor ligands in striatum of rats with unilateral serotonin depletion. <i>Synapse</i> , 2010, 64, 70-82.	1.2	5
221	Brain penetrant small molecule 18F-GnRH receptor (GnRH-R) antagonists: Synthesis and preliminary positron emission tomography imaging in rats. <i>Nuclear Medicine and Biology</i> , 2016, 43, 478-489.	0.6	5
222	Relationship of self-transcendence traits with in vivo dopamine D2/3 receptor availability and functional connectivity: An [¹⁸ F]fallypride PET and fMRI study. <i>Synapse</i> , 2019, 73, e22121.	1.2	5
223	Serotonin and amyloid deposition: A link between depression and Alzheimer's disease?. <i>Journal of Neurochemistry</i> , 2021, 156, 560-562.	3.9	5
224	Chronic PPAR β Stimulation Shifts Amyloidosis to Higher Fibrillarity but Improves Cognition. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 854031.	3.4	5
225	Subacute cytokine changes after a traumatic brain injury predict chronic brain microstructural alterations on advanced diffusion imaging in the male rat. <i>Brain, Behavior, and Immunity</i> , 2022, 102, 137-150.	4.1	5
226	Diels-Alder Adducts of Morphinan-6,8-Dienes and Their Transformations. <i>Molecules</i> , 2022, 27, 2863.	3.8	5
227	Synthesis of the serotonin transporter ligand (β)-10-methyl 3-[6-nitro-(2-quinolinyl)]-3,10-diazabicyclo-[4.3.1]-decane ([¹¹ C-methyl]NS 2495) and first in vivo results. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2003, 46, 873-882.	1.0	4
228	Resistance of brain glucose metabolism to thiopental-induced CNS depression in newborn piglets. <i>International Journal of Developmental Neuroscience</i> , 2013, 31, 157-164.	1.6	4
229	Improving EEG signal peak detection using feature weight learning of a neural network with random weights for eye event-related applications. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2017, 42, 641-653.	1.3	4
230	Antidopaminergic medication in healthy subjects provokes subjective and objective mental impairments tightly correlated with perturbation of biogenic monoamine metabolism and prolactin secretion. <i>Neuropsychiatric Disease and Treatment</i> , 2018, Volume 14, 1125-1138.	2.2	4
231	Preclinical Aspects of Nicotinic Acetylcholine Receptor Imaging. , 2014, , 465-512.		4
232	In vivo glucose metabolism and glutamate levels in mGluR5 knockout mice: a multimodal neuroimaging study using [¹⁸ F]FDG microPET and MRS. <i>EJNMMI Research</i> , 2020, 10, 116.	2.5	4
233	Detection of monoamine oxidase a in brain of living rats with [¹⁸ F]fluoroethyl- β -carbolol PET. <i>Synapse</i> , 2015, 69, 57-59.	1.2	3
234	The downside of downregulation. <i>Brain</i> , 2019, 142, 1500-1502.	7.6	3

#	ARTICLE	IF	CITATIONS
235	Functional Analysis of Brain Imaging Suggests Changes in the Availability of mGluR5 and Altered Connectivity in the Cerebral Cortex of Long-Term Abstaining Males with Alcohol Dependence: A Preliminary Study. <i>Life</i> , 2021, 11, 506.	2.4	3
236	NMR Analysis of a Series of 6,14-ethenomorphinan Derivatives as PET Precursors and Reference Substances**. <i>ChemistrySelect</i> , 2021, 6, 5994-6005.	1.5	3
237	Working memory task induced neural activation: A simultaneous PET/fMRI study. <i>NeuroImage</i> , 2021, 237, 118131.	4.2	3
238	Quantitation of the A2A Adenosine Receptor Density in the Striatum of Mice and Pigs with [18F]FLUDA by Positron Emission Tomography. <i>Pharmaceuticals</i> , 2022, 15, 516.	3.8	3
239	Low dopamine receptor availability in brain of highly sensation-seeking men. <i>NeuroImage</i> , 2008, 41, T131.	4.2	2
240	Molecular Imaging Studies of Second Messenger Pathways: Looking Deeper than the Membrane. <i>NeuroMethods</i> , 2012, , 137-148.	0.3	2
241	Measuring effects of MDMA (ecstasy) abuse on the rate of cerebral serotonin synthesis. <i>Journal of Neurochemistry</i> , 2014, 131, 541-545.	3.9	2
242	Monitoring of chronic β -secretase modulator treatment by serial amyloid-PET. <i>Molecular Psychiatry</i> , 2015, 20, 1141-1141.	7.9	2
243	Invited commentary: mapping the alteration in glutamate with Glu^CCEST MRI in a mouse model of dopamine deficiency. <i>Journal of Neurochemistry</i> , 2016, 139, 346-348.	3.9	2
244	A New Precursor for the Radiosynthesis of 6-O-(2-[¹⁸ F]Fluoroethyl)-6-Odesmethyl-diprenorphine ([¹⁸ F]FE-DPN) by Nucleophilic Radiofluorination. <i>Letters in Organic Chemistry</i> , 2021, 18, 344-352.	0.5	2
245	Fully automated unsupervised artefact removal in multichannel electroencephalogram using wavelet-independent component analysis with density-based spatial clustering of application with noise. <i>IET Signal Processing</i> , 2021, 15, 535-542.	1.5	2
246	Improved Risk Stratification for Progression from Mild Cognitive Impairment to Alzheimer's Disease with a Multi-Analytical Evaluation of Amyloid- β Positron Emission Tomography. <i>Journal of Alzheimer's Disease</i> , 2020, 74, 101-112.	2.6	2
247	In Vivo Cerebral Translocator Protein (TSPO) Binding and Its Relationship with Blood Adiponectin Levels in Treatment-Naïve Young Adults with Major Depression: A [11C]PK11195 PET Study. <i>Biomedicines</i> , 2022, 10, 34.	3.2	2
248	Escalation of Tau Accumulation after a Traumatic Brain Injury: Findings from Positron Emission Tomography. <i>Brain Sciences</i> , 2022, 12, 876.	2.3	2
249	Correspondence. <i>Neuropsychopharmacology</i> , 1999, 20, 395-396.	5.4	1
250	Not shooting an elephant. <i>NeuroImage</i> , 2014, 94, 411-412.	4.2	1
251	Commentary: The serotonin transporter in depression: Meta-analysis of in vivo and post mortem findings and implications for understanding and treating depression. <i>Journal of Affective Disorders</i> , 2016, 199, 21-22.	4.1	1
252	PET Occupancy and Competition in Translational Medicine and CNS Drug Development. <i>Handbook of Behavioral Neuroscience</i> , 2019, 29, 159-172.	0.7	1

#	ARTICLE	IF	CITATIONS
253	Language Impairments in Dementia: From Word-Finding Difficulties to Everyday Conversation in a Dementia-Friendly Community. , 2021, , 85-108.		1
254	Brain-Blood Barrier Removal of DOPA: Role in Regulation of Dopamine Synthesis and Treatment of Parkinson's Disease. , 1995, , 103-109.		1
255	Pattern of predictive features of continued cannabis use in patients with recent-onset psychosis and clinical high-risk for psychosis. NPJ Schizophrenia, 2022, 8, 19.	3.6	1
256	Gradients of dopamine D1- and D2/3-binding sites in the basal ganglia of pig and monkey measured by PET. NeuroImage, 2004, 22, 1076-1076.	4.2	0
257	Task- Versus Amphetamine-Induced Displacement of High-Affinity D2/3 Receptor Ligands. Journal of Nuclear Medicine, 2013, 54, 1849.1-1849.	5.0	0
258	Response to the letter concerning the publication: Amyloid pathology fingerprint differentiates post-traumatic stress disorder and traumatic brain injury. Mohamed AZ, et al. NeuroImage Clinical 2018 June 5;19:716-726. NeuroImage: Clinical, 2019, 23, 101867.	2.7	0
259	Asymmetry of plaque burden in amyloid mouse models. Alzheimer's and Dementia, 2020, 16, e039153.	0.8	0
260	Applications, Advances, and Limitations of Molecular Imaging of Brain Receptors. , 2021, , 1287-1307.		0
261	Preclinical Evaluation of [18F]FACH in Healthy Mice and Piglets: An 18F-Labeled Ligand for Imaging of Monocarboxylate Transporters with PET. International Journal of Molecular Sciences, 2021, 22, 1645.	4.1	0
262	Restoration of [18F]Fluorodopa Uptake in Brain of MPTP-Intoxicated Pigs with Fetal Mesencephalic Neuron Grafts. , 2002, , 213-218.		0
263	An MR-Based Statistical Volumetric Atlas of the Brain of Göttingen Miniature Pigs. , 2002, , 189-194.		0
264	Comparison of Ratio and Slope-Intercept Plot-Based Images of [18F]Fluoro-L-DOPA Uptake in Human Brain. , 1996, , 237-242.		0
265	An Overview of PET Studies of the Cerebral Uptake of Amino Acids. , 2015, , 339-355.		0
266	Title is missing!. , 2020, 15, e0229560.		0
267	Title is missing!. , 2020, 15, e0229560.		0
268	Title is missing!. , 2020, 15, e0229560.		0
269	Title is missing!. , 2020, 15, e0229560.		0
270	Title is missing!. , 2020, 15, e0229560.		0

#	ARTICLE	IF	CITATIONS
271	A new automated and putatively versatile synthesis of the PSMA-ligand derivative [18F]DCFPyL using the FASTlab™ synthesizer. EJNMMI Radiopharmacy and Chemistry, 2022, 7, 10.	3.9	0