

Paul Cumming

List of Publications by Year in descending order

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271
papers

9,291
citations

41323

49
h-index

66879

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.	2.9	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.	4.0	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.	2.8	196
4	Emerging PET Radiotracers and Targets for Imaging of Neuroinflammation in Neurodegenerative Diseases: Outlook Beyond TSPO. <i>Molecular Imaging</i> , 2018, 17, 153601211879231.	0.7	158
5	Dopamine in amygdala gates limbic processing of aversive stimuli in humans. <i>Nature Neuroscience</i> , 2008, 11, 1381-1382.	7.1	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.	1.7	149
7	MR-Based Statistical Atlas of the Göttingen Minipig Brain. <i>NeuroImage</i> , 2001, 14, 1089-1096.	2.1	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.	2.8	137
9	The personality trait openness is related to cerebral 5-HTT levels. <i>NeuroImage</i> , 2009, 45, 280-285.	2.1	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.	2.4	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.	2.1	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.	3.3	121
13	Reduced dopamine D1 receptor binding in the ventral striatum of cigarette smokers. <i>Synapse</i> , 2001, 42, 48-53.	0.6	118
14	PET Studies of Cerebral Levodopa Metabolism: A Review of Clinical Findings and Modeling Approaches. <i>Neuroscientist</i> , 2009, 15, 635-650.	2.6	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.	2.4	113
16	Subchronic Haloperidol Downregulates Dopamine Synthesis Capacity in the Brain of Schizophrenic Patients In Vivo. <i>Neuropsychopharmacology</i> , 2003, 28, 787-794.	2.8	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.	2.4	98

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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.	1.2	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.	1.9	94
21	Sifting through the surfeit of neuroinflammation tracers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 204-224.	2.4	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.	0.6	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.	2.1	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.	3.9	89
25	Normalization in PET group comparison studiesâ€”The importance of a valid reference region. <i>NeuroImage</i> , 2008, 40, 529-540.	2.1	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.	2.4	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.	0.6	78
28	Artefactual subcortical hyperperfusion in PET studies normalized to global mean: Lessons from Parkinsonâ€™s disease. <i>NeuroImage</i> , 2009, 45, 249-257.	2.1	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.	2.1	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.	3.3	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.	2.8	75
32	Regulation of DOPA Decarboxylase Activity in Brain of Living Rat. <i>Journal of Neurochemistry</i> , 1995, 65, 1381-1390.	2.1	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.	2.1	71
34	â€”Prefrontalâ€™ 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.	1.9	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 Triphosphateâ€”Free G Protein. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 596-604.	2.4	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.	3.3	68

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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.	2.8	67
38	Functional Representation of Olfactory Impairment in Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 22, 581-591.	1.2	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.	0.6	65
40	Asymmetry in dopamine D2/3 receptors of caudate nucleus is lost with age. <i>NeuroImage</i> , 2007, 34, 870-878.	2.1	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.	2.1	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.	2.8	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.	2.4	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.	4.1	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.	1.1	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.	2.0	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.	2.9	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.	2.4	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.	0.9	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.	2.8	51
51	Absolute abundances and affinity states of dopamine receptors in mammalian brain: A review. <i>Synapse</i> , 2011, 65, 892-909.	0.6	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.	1.7	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.	3.3	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.	2.1	50

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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.	2.1	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.	1.4	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.	2.4	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.	1.2	48
59	MAOA-VNTR polymorphism modulates context-dependent dopamine release and aggressive behavior in males. <i>NeuroImage</i> , 2016, 125, 378-385.	2.1	48
60	Amyloid pathology fingerprint differentiates post-traumatic stress disorder and traumatic brain injury. <i>NeuroImage: Clinical</i> , 2018, 19, 716-726.	1.4	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.	1.8	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.	1.5	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.	2.1	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.	4.1	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.	2.6	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.	1.2	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.	1.1	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.	3.3	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.	2.4	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.	0.6	44
71	Kinetics of the metabolism of four PET radioligands in living minipigs. <i>Nuclear Medicine and Biology</i> , 2001, 28, 97-104.	0.3	43
72	In vivo imaging of dopamine receptors in a model of temporal lobe epilepsy. <i>Epilepsia</i> , 2010, 51, 415-422.	2.6	43

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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.	3.3	42
74	Metabolic Correlates of Dopaminergic Loss in Dementia with Lewy Bodies. <i>Movement Disorders</i> , 2020, 35, 595-605.	2.2	42
75	A Kinetic Analysis of [¹⁸ F]Fluoro-Dihydroxyphenylalanine Metabolism in the Rat. <i>Journal of Neurochemistry</i> , 1994, 63, 1675-1682.	2.1	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.	1.2	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.	3.6	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.	1.5	40
79	Effects of Smoking Cessation on Presynaptic Dopamine Function of Addicted Male Smokers. <i>Biological Psychiatry</i> , 2016, 80, 198-206.	0.7	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.	1.4	38
81	Striatal and Extrastriatal D2/D3-Receptor-Binding Properties of Ziprasidone. <i>Journal of Clinical Psychopharmacology</i> , 2008, 28, 608-617.	0.7	38
82	Language Patterns Discriminate Mild Depression From Normal Sadness and Euthymic State. <i>Frontiers in Psychiatry</i> , 2018, 9, 105.	1.3	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.	0.6	36
85	A Review of Molecular Imaging of Glutamate Receptors. <i>Molecules</i> , 2020, 25, 4749.	1.7	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.	2.8	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.	2.0	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.	1.1	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.	2.1	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.	3.3	34

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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.	0.3	33
92	Dopamine D2/3 receptor occupancy by quetiapine in striatal and extrastriatal areas. <i>International Journal of Neuropsychopharmacology</i> , 2010, 13, 951-960.	1.0	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.	1.3	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.	0.7	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.	2.4	31
97	Acute neuroleptic stimulates DOPA decarboxylase in porcine brain in vivo. <i>Synapse</i> , 2001, 41, 172-175.	0.6	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.	0.3	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.	3.3	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.	2.8	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.	0.3	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.	3.3	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.	2.0	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.	0.6	30
105	A Survey of Molecular Imaging of Opioid Receptors. <i>Molecules</i> , 2019, 24, 4190.	1.7	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.	1.4	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.	1.8	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.	2.1	28

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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.	3.0	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.	3.1	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.	2.1	27
112	Mapping the amphetamine-evoked dopamine release in the brain of the Göttingen minipig. <i>Brain Research Bulletin</i> , 2005, 65, 1-9.	1.4	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.	0.6	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.	1.4	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.	2.0	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.	2.1	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.	1.3	26
118	Cerebral oxygen metabolism in patients with early Parkinson's disease. <i>Journal of the Neurological Sciences</i> , 2012, 313, 123-128.	0.3	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.	2.4	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.	0.3	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.	1.1	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.	1.2	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.	0.6	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.	0.7	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.	1.0	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.	2.4	25

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127	Molecular and Functional Imaging Studies of Psychedelic Drug Action in Animals and Humans. <i>Molecules</i> , 2021, 26, 2451.	1.7	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.	1.2	24
129	A PET study of regional cerebral blood flow after experimental cardiopulmonary resuscitation. <i>Resuscitation</i> , 2007, 75, 98-104.	1.3	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.	2.8	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.	1.7	24
132	Impact of partial volume effect correction on cerebral β -amyloid imaging in APP-Swe mice using [¹⁸ F]-florbetaben PET. <i>NeuroImage</i> , 2014, 84, 843-853.	2.1	24
133	Interaction between LSD and dopamine D _{2/3} binding sites in pig brain. <i>Synapse</i> , 2005, 56, 198-204.	0.6	23
134	Molecular imaging of schizophrenia: Neurochemical findings in a heterogeneous and evolving disorder. <i>Behavioural Brain Research</i> , 2021, 398, 113004.	1.2	23
135	Inhibition of histamine-N-methyltransferase (HNMT) by fragments of 9-amino-1,2,3,4-tetrahydroacridine (tacrine) and by β -carbolines. <i>Biochemical Pharmacology</i> , 1992, 44, 989-992.	2.0	22
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