Gitte Moos Knudsen

List of Publications by Year
in descending order

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502	20,227	15504	22166
papers	citations	65 h-index	113 g-index

576	576	576	18205
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Consensus Nomenclature for in vivo Imaging of Reversibly Binding Radioligands. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1533-1539.	4.3	1,840
2	Blood BDNF concentrations reflect brain-tissue BDNF levels across species. International Journal of Neuropsychopharmacology, 2011, 14, 347-353.	2.1	533
3	Autoregulation of Cerebral Blood Flow in Patients Resuscitated From Cardiac Arrest. Stroke, 2001, 32, 128-132.	2.0	400
4	MR-based automatic delineation of volumes of interest in human brain PET images using probability maps. NeuroImage, 2005, 24, 969-979.	4.2	327
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, 635-643.	3.3	305
6	Transcranial Doppler is valid for determination of the lower limit of cerebral blood flow autoregulation.. Stroke, 1994, 25, 1985-1988.	2.0	282
7	A High-ResolutionIn VivoAtlas of the Human Brain's Serotonin System. Journal of Neuroscience, 2017, 37, 120-128.	3.6	262
8	Cerebral Blood Flow in Patients With Chronic Heart Failure Before and After Heart Transplantation. Stroke, 2001, 32, 2530-2533.	2.0	259
9	Psychedelic effects of psilocybin correlate with serotonin 2A receptor occupancy and plasma psilocin levels. Neuropsychopharmacology, 2019, 44, 1328-1334.	5.4	259
10	Different partial volume correction methods lead to different conclusions: An 18F-FDG-PET study of aging. NeuroImage, 2016, 132, 334-343.	4.2	216
11	Cerebral Blood Flow Response to Functional Activation. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 2-14.	4.3	214
12	Frontolimbic Serotonin 2A Receptor Binding in Healthy Subjects Is Associated with Personality Risk Factors for Affective Disorder. Biological Psychiatry, 2008, 63, 569-576.	1.3	213
13	European multicentre database of healthy controls for [123I]FP-CIT SPECT (ENC-DAT): age-related effects, gender differences and evaluation of different methods of analysis. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 213-227.	6.4	198
14	Cortical surface-based analysis reduces bias and variance in kinetic modeling of brain PET data. NeuroImage, 2014, 92, 225-236.	4.2	179
15	Measurements of brain-derived neurotrophic factor: Methodological aspects and demographical data. Brain Research Bulletin, 2007, 73, 143-149.	3.0	178
16	Dynamic coupling of whole-brain neuronal and neurotransmitter systems. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9566-9576.	7.1	173
17	Whole-Brain Multimodal Neuroimaging Model Using Serotonin Receptor Maps Explains Non-linear Functional Effects of LSD. Current Biology, 2018, 28, 3065-3074.e6.	3.9	159
18	The 5-HT1A serotonin receptor is located on calbindin- and parvalbumin-containing neurons in the rat brain. Brain Research, 2003, 959, 58-67.	2.2	157

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19	No effect of insulin on glucose blood-brain barrier transport and cerebral metabolism in humans.. Diabetes, 1999, 48, 1915-1921.	0.6	140
20	The serotonin transporter in psychiatric disorders: insights from PET imaging. Lancet Psychiatry,the, 2015, 2, 743-755.	7.4	140
21	5â€HT radioligands for human brain imaging with PET and SPECT. Medicinal Research Reviews, 2013, 33, 54-111.	10.5	138
22	The relationship between cerebral blood flow and volume in humans. NeuroImage, 2005, 24, 1-11.	4.2	135
23	Measuring Endogenous 5-HT Release by Emission Tomography: Promises and Pitfalls. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1682-1706.	4.3	132
24	The personality trait openness is related to cerebral 5-HTT levels. NeuroImage, 2009, 45, 280-285.	4.2	131
25	Brain Metabolism during Short-Term Starvation in Humans. Journal of Cerebral Blood Flow and Metabolism, 1994, 14, 125-131.	4.3	125
26	Cluster analysis in kinetic modelling of the brain: a noninvasive alternative to arterial sampling. NeuroImage, 2004, 21, 483-493.	4.2	123
27	Patients with obsessiveâ€“compulsive disorder have increased 5-HT2A receptor binding in the caudate nuclei. International Journal of Neuropsychopharmacology, 2005, 8, 391-401.	2.1	123
28	Microdosing psychedelics: More questions than answers? An overview and suggestions for future research. Journal of Psychopharmacology, 2019, 33, 1039-1057.	4.0	121
29	The Bipolar Illness Onset study: research protocol for the BIO cohort study. BMJ Open, 2017, 7, e015462.	1.9	119
30	Radiosynthesis and in vivo evaluation of a series of substituted 11C-phenethylamines as 5-HT2A agonist PET tracers. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 681-693.	6.4	115
31	Cerebral metabolism of ammonia and amino acids in patients with fulminant hepatic failure. Gastroenterology, 2001, 121, 1109-1119.	1.3	114
32	Seasonal Changes in Brain Serotonin Transporter Binding in Short Serotonin Transporter Linked Polymorphic Region-Allele Carriers but Not in Long-Allele Homozygotes. Biological Psychiatry, 2010, 67, 1033-1039.	1.3	113
33	Neurovascular coupling to D2/D3 dopamine receptor occupancy using simultaneous PET/functional MRI. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11169-11174.	7.1	112
34	A database of [18F]-altanserin binding to 5-HT2A receptors in normal volunteers: normative data and relationship to physiological and demographic variables. NeuroImage, 2004, 21, 1105-1113.	4.2	111
35	Role of Serotonin Transporter Changes in Depressive Responses to Sex-Steroid Hormone Manipulation: A Positron Emission Tomography Study. Biological Psychiatry, 2015, 78, 534-543.	1.3	108
36	Reduced 5-HT2A receptor binding in patients with mild cognitive impairment. Neurobiology of Aging, 2008, 29, 1830-1838.	3.1	107

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37	Decreased Frontal Serotonin2A Receptor Binding in Antipsychotic-Naive Patients With First-Episode Schizophrenia. Archives of General Psychiatry, 2010, 67, 9.	12.3	105
38	Cerebral hemodynamics measured with simultaneous PET and near-infrared spectroscopy in humans. Brain Research, 2002, 954, 183-193.	2.2	103
39	A single subcutaneous bolus of erythropoietin normalizes cerebral blood flow autoregulation after subarachnoid haemorrhage in rats. British Journal of Pharmacology, 2002, 135, 823-829.	5.4	103
40	Hyperventilation restores cerebral blood flow autoregulation in patients with acute liver failure. Journal of Hepatology, 1998, 28, 199-203.	3.7	100
41	Functional loss of cerebral blood flow autoregulation in patients with fulminant hepatic failure. Journal of Hepatology, 1995, 23, 212-217.	3.7	99
42	Unchanged Cerebral Blood Flow and Oxidative Metabolism after Acclimatization to High Altitude. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 118-126.	4.3	99
43	Cognitive testing of pigs (Sus scrofa) in translational biobehavioral research. Neuroscience and Biobehavioral Reviews, 2011, 35, 437-451.	6.1	97
44	Cerebral serotonin transporter binding is inversely related to body mass index. NeuroImage, 2010, 52, 284-289.	4.2	96
45	A Single Dose of Psilocybin Increases Synaptic Density and Decreases 5-HT2A Receptor Density in the Pig Brain. International Journal of Molecular Sciences, 2021, 22, 835.	4.1	96
46	The Center for Integrated Molecular Brain Imaging (Cimbi) database. NeuroImage, 2016, 124, 1213-1219.	4.2	95
47	Quantification of 5-HT2A Receptors in the Human Brain Using [18F]Altanserin-PET and the Bolus/Infusion Approach. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 985-996.	4.3	91
48	Dissociated cerebral vasoparalysis in acute liver failure. Journal of Hepatology, 1996, 25, 145-151.	3.7	90
49	Serotonin 2A Receptor Agonist Binding in the Human Brain with [¹¹C]Cimbi-36. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1188-1196.	4.3	88
50	A single psilocybin dose is associated with long-term increased mindfulness, preceded by a proportional change in neocortical 5-HT2A receptor binding. European Neuropsychopharmacology, 2020, 33, 71-80.	0.7	88
51	AÎ²(1â€“42) injection causes memory impairment, lowered cortical and serum BDNF levels, and decreased hippocampal 5-HT2A levels. Experimental Neurology, 2008, 210, 164-171.	4.1	87
52	Brain serotonin 2A receptor binding: Relations to body mass index, tobacco and alcohol use. NeuroImage, 2009, 46, 23-30.	4.2	87
53	Î±4Î²2Î´ GABA _A receptors are high-affinity targets for Î³-hydroxybutyric acid (GHB). Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13404-13409.	7.1	87
54	Functional connectivity of the dorsal and median raphe nuclei at rest. NeuroImage, 2015, 116, 187-195.	4.2	85

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55	Kinetic Modeling of ¹¹C-SB207145 Binding to 5-HT₄ Receptors in the Human Brain In Vivo. Journal of Nuclear Medicine, 2009, 50, 900-908.	5.0	84
56	Imaging of dopamine transporters and D2 receptors in patients with Parkinson?s disease and multiple system atrophy. European Journal of Nuclear Medicine and Molecular Imaging, 2004, 31, 1631-1638.	6.4	81
57	Depression and Alzheimer's Disease: Is Stress the Initiating Factor in a Common Neuropathological Cascade?. Journal of Alzheimer's Disease, 2011, 23, 177-193.	2.6	81
58	Central 5-HT4 receptor binding as biomarker of serotonergic tonus in humans: a [11C]SB207145 PET study. Molecular Psychiatry, 2014, 19, 427-432.	7.9	80
59	Brain imaging of serotonin 4 receptors in humans with [11C]SB207145-PET. NeuroImage, 2010, 50, 855-861.	4.2	79
60	The brain 5â€HT₄ receptor binding is downâ€regulated in the Flinders Sensitive Line depression model and in response to paroxetine administration. Journal of Neurochemistry, 2009, 109, 1363-1374.	3.9	77
61	Cerebral blood flow, oxygen metabolism and transcranial Doppler sonography during high-volume plasmapheresis in fulminant hepatic failure. European Journal of Gastroenterology and Hepatology, 1996, 8, 261-266.	1.6	76
62	In Vivo Imaging of Cerebral Serotonin Transporter and Serotonin2A Receptor Binding in 3,4-Methylenedioxymethamphetamine (MDMA or â€œEcstasyâ€) and Hallucinogen Users. Archives of General Psychiatry, 2011, 68, 562.	12.3	76
63	Age and sex effects on 5-HT₄ receptors in the human brain: A [¹¹C]SB207145 PET study. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1475-1481.	4.3	72
64	Hippocampal volume changes in healthy subjects at risk of unipolar depression. Journal of Psychiatric Research, 2010, 44, 655-662.	3.1	70
65	Kinetic Analysis of the Human Blood-Brain Barrier Transport of Lactate and its Influence by Hypercapnia. Journal of Cerebral Blood Flow and Metabolism, 1991, 11, 581-586.	4.3	68
66	Immunodetection of the serotonin transporter protein is a more valid marker for serotonergic fibers than serotonin. Synapse, 2006, 59, 270-276.	1.2	68
67	Serotonergic mechanisms in the migraine brain â€“ a systematic review. Cephalalgia, 2017, 37, 251-264.	3.9	68
68	Idiopathic normalâ€pressure hydrocephalus: evaluation and findings in a multidisciplinary memory clinic. European Journal of Neurology, 2001, 8, 601-611.	3.3	67
69	Characterization of DegU, a response regulator inListeria monocytogenes, involved in regulation of motility and contributes to virulence. FEMS Microbiology Letters, 2004, 240, 171-179.	1.8	65
70	Loss of serotonin 2A receptors exceeds loss of serotonergic projections in early Alzheimer's disease: a combined [11C]DASB and [18F]altanserin-PET study. Neurobiology of Aging, 2012, 33, 479-487.	3.1	65
71	Cerebral Blood Flow and Oxidative Metabolism during Human Endotoxemia. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 1262-1270.	4.3	64
72	Cortical and Subcortical 5-HT2A Receptor Binding in Neuroleptic-Naive First-Episode Schizophrenic Patients. Neuropsychopharmacology, 2008, 33, 2435-2441.	5.4	64

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73	Cerebral blood flow autoregulation and transcranial doppler sonography in patients with cirrhosis. Hepatology, 1995, 22, 730-736.	7.3	63
74	Serotonin Transporters in Dopamine Transporter Imaging: A Head-to-Head Comparison of Dopamine Transporter SPECT Radioligands ¹²³I-FP-CIT and ¹²³I-PE2I. Journal of Nuclear Medicine, 2010, 51, 1885-1891.	5.0	63
75	Cerebral Serotonin 4 Receptors and Amyloid-Î² in Early Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 26, 457-466.	2.6	63
76	Dependency of cerebral blood flow on mean arterial pressure in patients with acute bacterial meningitis. Critical Care Medicine, 2000, 28, 1027-1032.	0.9	61
77	Cerebral Pressure Autoregulation and Vasoreactivity in the Newborn Rat. Pediatric Research, 2005, 57, 294-298.	2.3	61
78	Cerebral 5-HT2A receptor binding is increased in patients with Tourette's syndrome. International Journal of Neuropsychopharmacology, 2007, 10, 245.	2.1	61
79	Serotonin 2A receptor agonist binding in the human brain with [11C]Cimbi-36: Testâ€“retest reproducibility and head-to-head comparison with the antagonist [18F]altanserin. NeuroImage, 2016, 130, 167-174.	4.2	61
80	Violent offenders respond to provocations with high amygdala and striatal reactivity. Social Cognitive and Affective Neuroscience, 2017, 12, 802-810.	3.0	61
81	Lack of association between prior depressive episodes and cerebral [11C]PiB binding. Neurobiology of Aging, 2012, 33, 2334-2342.	3.1	60
82	Development of a 11C-labeled tetrazine for rapid tetrazineâ€“trans-cyclooctene ligation. Chemical Communications, 2013, 49, 3805.	4.1	60
83	Characterization of [11C]Cimbi-36 as an agonist PET radioligand for the 5-HT2A and 5-HT2C receptors in the nonhuman primate brain. NeuroImage, 2014, 84, 342-353.	4.2	60
84	5-HT2A and mGlu2 receptor binding levels are related to differences in impulsive behavior in the Roman Low- (RLA) and High- (RHA) avoidance rat strains. Neuroscience, 2014, 263, 36-45.	2.3	60
85	Seasonal difference in brain serotonin transporter binding predicts symptom severity in patients with seasonal affective disorder. Brain, 2016, 139, 1605-1614.	7.6	60
86	Obesity is associated with high serotonin 4 receptor availability in the brain reward circuitry. NeuroImage, 2012, 61, 884-888.	4.2	59
87	Simultaneous fMRIâ€“PET of the opioidergic pain system in human brain. NeuroImage, 2014, 102, 275-282.	4.2	59
88	Psilocybin-induced changes in brain network integrity and segregation correlate with plasma psilocin level and psychedelic experience. European Neuropsychopharmacology, 2021, 50, 121-132.	0.7	57
89	An Incomplete TCA Cycle Increases Survival of Salmonella Typhimurium during Infection of Resting and Activated Murine Macrophages. PLoS ONE, 2010, 5, e13871.	2.5	57
90	¹¹C-NS14492 as a Novel PET Radioligand for Imaging Cerebral Î±7 Nicotinic Acetylcholine Receptors: In Vivo Evaluation and Drug Occupancy Measurements. Journal of Nuclear Medicine, 2011, 52, 1449-1456.	5.0	56

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91	Calculation of the FDG Lumped Constant by Simultaneous Measurements of Global Glucose and FDG Metabolism in Humans. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 154-160.	4.3	55
92	Binding characteristics of the 5â€HT_{2A} receptor antagonists altanserin and MDL 100907. Synapse, 2005, 58, 249-257.	1.2	55
93	Cerebral blood flow autoregulation is absent in rats with thioacetamide-induced hepatic failure. Journal of Hepatology, 1994, 21, 491-495.	3.7	54
94	Genomeâ€wideâ€analyses of Listeria monocytogenes from foodâ€processing plants reveal clonal diversity and date the emergence of persisting sequence types. Environmental Microbiology Reports, 2017, 9, 428-440.	2.4	54
95	5-HTTLPR status predictive of neocortical 5-HT4 binding assessed with [11C]SB207145 PET in humans. NeuroImage, 2012, 62, 130-136.	4.2	53
96	Evaluation of the Novel 5-HT₄ Receptor PET Ligand [¹¹C]SB207145 in the GÃ¶ttingen Minipig. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 186-196.	4.3	52
97	A Nonlinear Relationship between Cerebral Serotonin Transporter and 5-HT_{2A}Receptor Binding: AnIn VivoMolecular Imaging Study in Humans. Journal of Neuroscience, 2010, 30, 3391-3397.	3.6	52
98	The 5â€HT₄ receptor levels in hippocampus correlates inversely with memory test performance in humans. Human Brain Mapping, 2013, 34, 3066-3074.	3.6	51
99	High familial risk for mood disorder is associated with low dorsolateral prefrontal cortex serotonin transporter binding. NeuroImage, 2009, 46, 360-366.	4.2	50
100	Laser Doppler flowmetry is valid for measurement of cerebral blood flow autoregulation lower limit in rats. Experimental Physiology, 2005, 90, 349-355.	2.0	49
101	Familial Risk for Mood Disorder and the Personality Risk Factor, Neuroticism, Interact in Their Association with Frontolimbic Serotonin 2A Receptor Binding. Neuropsychopharmacology, 2010, 35, 1129-1137.	5.4	49
102	ClpP deletion causes attenuation of Salmonella Typhimurium virulence through mis-regulation of RpoS and indirect control of CsrA and the SPI genes. Microbiology (United Kingdom), 2013, 159, 1497-1509.	1.8	49
103	Blood-brain barrier transport of amino acids in healthy controls and in patients with phenylketonuria. Journal of Inherited Metabolic Disease, 1995, 18, 653-664.	3.6	48
104	Interference of anaesthetics with radioligand binding in neuroreceptor studies. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 912-915.	6.4	48
105	Radiosynthesis and Evaluation of 11C-CIMBI-5 as a 5-HT2A Receptor Agonist Radioligand for PET. Journal of Nuclear Medicine, 2010, 51, 1763-1770.	5.0	48
106	Mass dose effects and in vivo affinity in brain PET receptor studies â€" a study of cerebral 5-HT4 receptor binding with [11C]SB207145. Nuclear Medicine and Biology, 2011, 38, 1085-1091.	0.6	48
107	Survival of Bactericidal Antibiotic Treatment by a Persister Subpopulation of Listeria monocytogenes. Applied and Environmental Microbiology, 2013, 79, 7390-7397.	3.1	48
108	No association between striatal dopamine transporter binding and body mass index: A multi-center European study in healthy volunteers. NeuroImage, 2013, 64, 61-67.	4.2	47

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109	Guidelines for the content and format of PET brain data in publications and archives: A consensus paper. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1576-1585.	4.3	47
110	A high-resolution in vivo atlas of the human brain's benzodiazepine binding site of GABAA receptors. NeuroImage, 2021, 232, 117878.	4.2	47
111	Cerebral perfusion, cardiac output, and arterial pressure in patients with fulminant hepatic failure. Critical Care Medicine, 2000, 28, 996-1000.	0.9	47
112	Apoliprotein E and multiple sclerosis: impact of the epsilon-4 allele on susceptibility, clinical type and progression rate. Multiple Sclerosis Journal, 2000, 6, 226-230.	3.0	47
113	Blood-brain barrier permeability in galactosamine-induced hepatic encephalopathy. Journal of Hepatology, 1988, 6, 187-192.	3.7	46
114	The BDNF Val66Met polymorphism: Relation to familiar risk of affective disorder, BDNF levels and salivary cortisol. Psychoneuroendocrinology, 2009, 34, 1380-1389.	2.7	46
115	Sex-Steroid Hormone Manipulation Reduces Brain Response to Reward. Neuropsychopharmacology, 2016, 41, 1057-1065.	5.4	46
116	Psychedelic resting-state neuroimaging: A review and perspective on balancing replication and novel analyses. Neuroscience and Biobehavioral Reviews, 2022, 138, 104689.	6.1	45
117	Cognitive deficits in obsessiveâ€“compulsive disorder on tests of frontal lobe functions. Nordic Journal of Psychiatry, 2005, 59, 39-44.	1.3	43
118	Preclinical Safety Assessment of the 5-HT2A Receptor Agonist PET Radioligand [11C]Cimbi-36. Molecular Imaging and Biology, 2013, 15, 376-383.	2.6	43
119	[18F]altanserin Binding to Human 5HT2A Receptors is Unaltered after Citalopram and Pindolol Challenge. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 1037-1045.	4.3	42
120	Effects of erythropoietin on depressive symptoms and neurocognitive deficits in depression and bipolar disorder. Trials, 2010, 11, 97.	1.6	42
121	Changes in 5-HT2A-mediated behavior and 5-HT2A- and 5-HT1A receptor binding and expression in conditional brain-derived neurotrophic factor knock-out mice. Neuroscience, 2010, 169, 1007-1016.	2.3	42
122	Metabolic Fate of Hallucinogenic NBOMes. Chemical Research in Toxicology, 2016, 29, 96-100.	3.3	42
123	Synthesis and biological evaluation of novel carbon-11-labelled analogues of citalopram as potential radioligands for the serotonin transporter. Bioorganic and Medicinal Chemistry, 2003, 11, 3447-3456.	3.0	41
124	Cognitive function is related to fronto-striatal serotonin transporter levels â€“ a brain PET study in young healthy subjects. Psychopharmacology, 2011, 213, 573-581.	3.1	41
125	Striatal dopamine transporter binding correlates with serum BDNF levels in patients with striatal dopaminergic neurodegeneration. Neurobiology of Aging, 2012, 33, 428.e1-428.e5.	3.1	41
126	Serotonin 2A Receptors, Citalopram and Tryptophan-Depletion: a Multimodal Imaging Study of their Interactions During Response Inhibition. Neuropsychopharmacology, 2013, 38, 996-1005.	5.4	41

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127	TSPO Imaging in Glioblastoma Multiforme: A Direct Comparison Between ¹²³I-CLINDE SPECT, ¹⁸F-FET PET, and Gadolinium-Enhanced MR Imaging. Journal of Nuclear Medicine, 2015, 56, 1386-1390.	5.0	41
128	Serotonin 1B Receptor Binding Is Associated With Trait Anger and Level of Psychopathy in Violent Offenders. Biological Psychiatry, 2017, 82, 267-274.	1.3	41
129	Regional cerebral blood flow during mechanical hyperventilation in patients with fulminant hepatic failure. Hepatology, 1999, 30, 1368-1373.	7.3	40
130	Cortisol awakening response and negative emotionality linked to asymmetry in major limbic fibre bundle architecture. Psychiatry Research - Neuroimaging, 2012, 201, 63-72.	1.8	40
131	Measuring endogenous changes in serotonergic neurotransmission with [11C]Cimbi-36 positron emission tomography in humans. Translational Psychiatry, 2019, 9, 134.	4.8	40
132	Brain serotonin 2A receptor binding predicts subjective temporal and mystical effects of psilocybin in healthy humans. Journal of Psychopharmacology, 2021, 35, 459-468.	4.0	40
133	Blood-Brain Barrier Transport and Brain Metabolism of Glucose during Acute Hyperglycemia in Humans1. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 1986-1990.	3.6	39
134	Non-serotonergic dorsal and median raphe projection onto parvalbumin- and calbindin-containing neurons in hippocampus and septum. Neuroscience, 2004, 124, 573-581.	2.3	39
135	Reproducibility of 5-HT2A receptor measurements and sample size estimations with [18F]altanserin PET using a bolus/infusion approach. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 910-915.	6.4	39
136	Playing it safe but losing anywayâ€"Serotonergic signaling of negative outcomes in dorsomedial prefrontal cortex in the context of risk-aversion. European Neuropsychopharmacology, 2013, 23, 919-930.	0.7	39
137	Striatal Dopamine Transporter Binding Does Not Correlate with Clinical Severity in Dementia with Lewy Bodies. Journal of Nuclear Medicine, 2013, 54, 1072-1076.	5.0	39
138	Haplotype of the astrocytic water channel AQP4 is associated with slow wave energy regulation in human NREM sleep. PLoS Biology, 2020, 18, e3000623.	5.6	39
139	Kinetic analysis of blood-brain barrier transport of d-glucose in man: Quantitative evaluation in the presence of tracer backflux and capillary heterogeneity. Microvascular Research, 1990, 39, 28-49.	2.5	38
140	[123I]Epidepride binding to cerebellar dopamine D2/D3 receptors is displaceable: Implications for the use of cerebellum as a reference region. NeuroImage, 2007, 34, 1450-1453.	4.2	38
141	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.	3.0	38
142	Serotonin2A receptor blockade and clinical effect in first-episode schizophrenia patients treated with quetiapine. Psychopharmacology, 2011, 213, 583-592.	3.1	38
143	No correlation between body mass index and striatal dopamine transporter availability in healthy volunteers using SPECT and [¹²³I]PE2I. Obesity, 2013, 21, 1803-1806.	3.0	38
144	Blood-Brain Barrier Transport and Brain Metabolism of Glucose during Acute Hyperglycemia in Humans. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 1986-1990.	3.6	38

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145	Cortical modulation of pupillary function: systematic review. PeerJ, 2019, 7, e6882.	2.0	38
146	Passage of amino acids and glucose across the blood-brain barrier in patients with hepatic encephalopathy. Hepatology, 1993, 17, 987-992.	7.3	37
147	A multidisciplinary memory clinic in a neurological setting: diagnostic evaluation of 400 consecutive patients. European Journal of Neurology, 1999, 6, 279-288.	3.3	37
148	SPECT tracer [123I]IBZM has similar affinity to dopamine D2 and D3 receptors. Synapse, 2000, 38, 338-342.	1.2	37
149	A PET [18F]altanserin study of 5-HT2A receptor binding in the human brain and responses to painful heat stimulation. NeuroImage, 2009, 44, 1001-1007.	4.2	37
150	Acute pharmacologically induced shifts in serotonin availability abolish emotion-selective responses to negative face emotions in distinct brain networks. European Neuropsychopharmacology, 2013, 23, 368-378.	0.7	37
151	Radiosynthesis and In Vivo Evaluation of Novel Radioligands for PET Imaging of Cerebral 5-HT₇ Receptors. Journal of Nuclear Medicine, 2014, 55, 640-646.	5.0	37
152	Threat-related amygdala functional connectivity is associated with 5-HTTLPR genotype and neuroticism. Social Cognitive and Affective Neuroscience, 2016, 11, 140-149.	3.0	37
153	Functional MRI for Assessment of the Default Mode Network in Acute Brain Injury. Neurocritical Care, 2017, 27, 401-406.	2.4	37
154	Pre-intervention test-retest reliability of EEG and ERP over four recording intervals. International Journal of Psychophysiology, 2018, 134, 30-43.	1.0	37
155	Recreational use of psychedelics is associated with elevated personality trait openness: Exploration of associations with brain serotonin markers. Journal of Psychopharmacology, 2019, 33, 1068-1075.	4.0	37
156	Effect of Short-Term Hyperventilation on Cerebral Blood Flow Autoregulation in Patients With Acute Bacterial Meningitis. Stroke, 2000, 31, 1116-1122.	2.0	36
157	Serotonin 2A receptors contribute to the regulation of risk-averse decisions. NeuroImage, 2013, 83, 35-44.	4.2	36
158	Central 5-HT Neurotransmission Modulates Weight Loss following Gastric Bypass Surgery in Obese Individuals. Journal of Neuroscience, 2015, 35, 5884-5889.	3.6	36
159	Transcranial doppler sonography and internal jugular bulb saturation during hyperventilation in patients with fulminant hepatic failure. Liver Transplantation, 2001, 7, 352-358.	2.4	35
160	Cerebral glucose and oxygen metabolism in patients with fulminant hepatic failure. Liver Transplantation, 2003, 9, 1244-1252.	2.4	35
161	Endogenous plasma estradiol in healthy men is positively correlated with cerebral cortical serotonin 2A receptor binding. Psychoneuroendocrinology, 2010, 35, 1311-1320.	2.7	35
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