

Gitte Moos Knudsen

List of Publications by Year in descending order

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Version: 2024-02-01

501
papers

20,227
citations

15466

65
h-index

22102

113
g-index

576
all docs

576
docs citations

576
times ranked

18205
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Consensus Nomenclature for in vivo Imaging of Reversibly Binding Radioligands. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1533-1539. | 2.4 | 1,840 |
| 2 | Blood BDNF concentrations reflect brain-tissue BDNF levels across species. <i>International Journal of Neuropsychopharmacology</i> , 2011, 14, 347-353. | 1.0 | 533 |
| 3 | Autoregulation of Cerebral Blood Flow in Patients Resuscitated From Cardiac Arrest. <i>Stroke</i> , 2001, 32, 128-132. | 1.0 | 400 |
| 4 | MR-based automatic delineation of volumes of interest in human brain PET images using probability maps. <i>NeuroImage</i> , 2005, 24, 969-979. | 2.1 | 327 |
| 5 | Species Differences in Blood-Brain Barrier Transport of Three Positron Emission Tomography Radioligands with Emphasis on P-Glycoprotein Transport. <i>Drug Metabolism and Disposition</i> , 2009, 37, 635-643. | 1.7 | 305 |
| 6 | Transcranial Doppler is valid for determination of the lower limit of cerebral blood flow autoregulation.. <i>Stroke</i> , 1994, 25, 1985-1988. | 1.0 | 282 |
| 7 | A High-Resolution <i>In Vivo</i> Atlas of the Human Brain's Serotonin System. <i>Journal of Neuroscience</i> , 2017, 37, 120-128. | 1.7 | 262 |
| 8 | Cerebral Blood Flow in Patients With Chronic Heart Failure Before and After Heart Transplantation. <i>Stroke</i> , 2001, 32, 2530-2533. | 1.0 | 259 |
| 9 | Psychedelic effects of psilocybin correlate with serotonin 2A receptor occupancy and plasma psilocin levels. <i>Neuropsychopharmacology</i> , 2019, 44, 1328-1334. | 2.8 | 259 |
| 10 | Different partial volume correction methods lead to different conclusions: An 18F-FDG-PET study of aging. <i>NeuroImage</i> , 2016, 132, 334-343. | 2.1 | 216 |
| 11 | Cerebral Blood Flow Response to Functional Activation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 2-14. | 2.4 | 214 |
| 12 | Frontolimbic Serotonin 2A Receptor Binding in Healthy Subjects Is Associated with Personality Risk Factors for Affective Disorder. <i>Biological Psychiatry</i> , 2008, 63, 569-576. | 0.7 | 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. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 213-227. | 3.3 | 198 |
| 14 | Cortical surface-based analysis reduces bias and variance in kinetic modeling of brain PET data. <i>NeuroImage</i> , 2014, 92, 225-236. | 2.1 | 179 |
| 15 | Measurements of brain-derived neurotrophic factor: Methodological aspects and demographical data. <i>Brain Research Bulletin</i> , 2007, 73, 143-149. | 1.4 | 178 |
| 16 | Dynamic coupling of whole-brain neuronal and neurotransmitter systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9566-9576. | 3.3 | 173 |
| 17 | Whole-Brain Multimodal Neuroimaging Model Using Serotonin Receptor Maps Explains Non-linear Functional Effects of LSD. <i>Current Biology</i> , 2018, 28, 3065-3074.e6. | 1.8 | 159 |
| 18 | The 5-HT1A serotonin receptor is located on calbindin- and parvalbumin-containing neurons in the rat brain. <i>Brain Research</i> , 2003, 959, 58-67. | 1.1 | 157 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | No effect of insulin on glucose blood-brain barrier transport and cerebral metabolism in humans. <i>Diabetes</i> , 1999, 48, 1915-1921. | 0.3 | 140 |
| 20 | The serotonin transporter in psychiatric disorders: insights from PET imaging. <i>Lancet Psychiatry</i> , 2015, 2, 743-755. | 3.7 | 140 |
| 21 | ⁵ HT radioligands for human brain imaging with PET and SPECT. <i>Medicinal Research Reviews</i> , 2013, 33, 54-111. | 5.0 | 138 |
| 22 | The relationship between cerebral blood flow and volume in humans. <i>NeuroImage</i> , 2005, 24, 1-11. | 2.1 | 135 |
| 23 | Measuring Endogenous 5-HT Release by Emission Tomography: Promises and Pitfalls. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1682-1706. | 2.4 | 132 |
| 24 | The personality trait openness is related to cerebral 5-HTT levels. <i>NeuroImage</i> , 2009, 45, 280-285. | 2.1 | 131 |
| 25 | Brain Metabolism during Short-Term Starvation in Humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 125-131. | 2.4 | 125 |
| 26 | Cluster analysis in kinetic modelling of the brain: a noninvasive alternative to arterial sampling. <i>NeuroImage</i> , 2004, 21, 483-493. | 2.1 | 123 |
| 27 | Patients with obsessive-compulsive disorder have increased 5-HT _{2A} receptor binding in the caudate nuclei. <i>International Journal of Neuropsychopharmacology</i> , 2005, 8, 391-401. | 1.0 | 123 |
| 28 | Microdosing psychedelics: More questions than answers? An overview and suggestions for future research. <i>Journal of Psychopharmacology</i> , 2019, 33, 1039-1057. | 2.0 | 121 |
| 29 | The Bipolar Illness Onset study: research protocol for the BIO cohort study. <i>BMJ Open</i> , 2017, 7, e015462. | 0.8 | 119 |
| 30 | Radiosynthesis and in vivo evaluation of a series of substituted ¹¹ C-phenethylamines as 5-HT _{2A} agonist PET tracers. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 681-693. | 3.3 | 115 |
| 31 | Cerebral metabolism of ammonia and amino acids in patients with fulminant hepatic failure. <i>Gastroenterology</i> , 2001, 121, 1109-1119. | 0.6 | 114 |
| 32 | Seasonal Changes in Brain Serotonin Transporter Binding in Short Serotonin Transporter Linked Polymorphic Region-Allele Carriers but Not in Long-Allele Homozygotes. <i>Biological Psychiatry</i> , 2010, 67, 1033-1039. | 0.7 | 113 |
| 33 | Neurovascular coupling to D ₂ /D ₃ dopamine receptor occupancy using simultaneous PET/functional MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11169-11174. | 3.3 | 112 |
| 34 | A database of [¹⁸ F]-altanserin binding to 5-HT _{2A} receptors in normal volunteers: normative data and relationship to physiological and demographic variables. <i>NeuroImage</i> , 2004, 21, 1105-1113. | 2.1 | 111 |
| 35 | Role of Serotonin Transporter Changes in Depressive Responses to Sex-Steroid Hormone Manipulation: A Positron Emission Tomography Study. <i>Biological Psychiatry</i> , 2015, 78, 534-543. | 0.7 | 108 |
| 36 | Reduced 5-HT _{2A} receptor binding in patients with mild cognitive impairment. <i>Neurobiology of Aging</i> , 2008, 29, 1830-1838. | 1.5 | 107 |

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|----|---|------|-----------|
| 37 | Decreased Frontal Serotonin _{2A} Receptor Binding in Antipsychotic-Naive Patients With First-Episode Schizophrenia. Archives of General Psychiatry, 2010, 67, 9. | 13.8 | 105 |
| 38 | Cerebral hemodynamics measured with simultaneous PET and near-infrared spectroscopy in humans. Brain Research, 2002, 954, 183-193. | 1.1 | 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. | 2.7 | 103 |
| 40 | Hyperventilation restores cerebral blood flow autoregulation in patients with acute liver failure. Journal of Hepatology, 1998, 28, 199-203. | 1.8 | 100 |
| 41 | Functional loss of cerebral blood flow autoregulation in patients with fulminant hepatic failure. Journal of Hepatology, 1995, 23, 212-217. | 1.8 | 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. | 2.4 | 99 |
| 43 | Cognitive testing of pigs (<i>Sus scrofa</i>) in translational biobehavioral research. Neuroscience and Biobehavioral Reviews, 2011, 35, 437-451. | 2.9 | 97 |
| 44 | Cerebral serotonin transporter binding is inversely related to body mass index. NeuroImage, 2010, 52, 284-289. | 2.1 | 96 |
| 45 | A Single Dose of Psilocybin Increases Synaptic Density and Decreases 5-HT _{2A} Receptor Density in the Pig Brain. International Journal of Molecular Sciences, 2021, 22, 835. | 1.8 | 96 |
| 46 | The Center for Integrated Molecular Brain Imaging (Cimbi) database. NeuroImage, 2016, 124, 1213-1219. | 2.1 | 95 |
| 47 | Quantification of 5-HT _{2A} Receptors in the Human Brain Using [¹⁸ F]Altanserin-PET and the Bolus/Infusion Approach. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 985-996. | 2.4 | 91 |
| 48 | Dissociated cerebral vasoparalysis in acute liver failure. Journal of Hepatology, 1996, 25, 145-151. | 1.8 | 90 |
| 49 | Serotonin 2A Receptor Agonist Binding in the Human Brain with [¹¹ C]Cimbi-36. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1188-1196. | 2.4 | 88 |
| 50 | A single psilocybin dose is associated with long-term increased mindfulness, preceded by a proportional change in neocortical 5-HT _{2A} receptor binding. European Neuropsychopharmacology, 2020, 33, 71-80. | 0.3 | 88 |
| 51 | Î²(1-42) injection causes memory impairment, lowered cortical and serum BDNF levels, and decreased hippocampal 5-HT _{2A} levels. Experimental Neurology, 2008, 210, 164-171. | 2.0 | 87 |
| 52 | Brain serotonin 2A receptor binding: Relations to body mass index, tobacco and alcohol use. NeuroImage, 2009, 46, 23-30. | 2.1 | 87 |
| 53 | Î±4Î² GABA 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. | 3.3 | 87 |
| 54 | Functional connectivity of the dorsal and median raphe nuclei at rest. NeuroImage, 2015, 116, 187-195. | 2.1 | 85 |

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|----|--|------|-----------|
| 55 | Kinetic Modeling of ¹¹ C-SB207145 Binding to 5-HT ₄ Receptors in the Human Brain In Vivo. <i>Journal of Nuclear Medicine</i> , 2009, 50, 900-908. | 2.8 | 84 |
| 56 | Imaging of dopamine transporters and D2 receptors in patients with Parkinson's disease and multiple system atrophy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2004, 31, 1631-1638. | 3.3 | 81 |
| 57 | Depression and Alzheimer's Disease: Is Stress the Initiating Factor in a Common Neuropathological Cascade?. <i>Journal of Alzheimer's Disease</i> , 2011, 23, 177-193. | 1.2 | 81 |
| 58 | Central 5-HT ₄ receptor binding as biomarker of serotonergic tonus in humans: a [¹¹ C]SB207145 PET study. <i>Molecular Psychiatry</i> , 2014, 19, 427-432. | 4.1 | 80 |
| 59 | Brain imaging of serotonin 4 receptors in humans with [¹¹ C]SB207145-PET. <i>NeuroImage</i> , 2010, 50, 855-861. | 2.1 | 79 |
| 60 | The brain 5-HT ₄ receptor binding is downregulated in the Flinders Sensitive Line depression model and in response to paroxetine administration. <i>Journal of Neurochemistry</i> , 2009, 109, 1363-1374. | 2.1 | 77 |
| 61 | Cerebral blood flow, oxygen metabolism and transcranial Doppler sonography during high-volume plasmapheresis in fulminant hepatic failure. <i>European Journal of Gastroenterology and Hepatology</i> , 1996, 8, 261-266. | 0.8 | 76 |
| 62 | In Vivo Imaging of Cerebral Serotonin Transporter and Serotonin _{2A} Receptor Binding in 3,4-Methylenedioxymethamphetamine (MDMA or "Ecstasy") and Hallucinogen Users. <i>Archives of General Psychiatry</i> , 2011, 68, 562. | 13.8 | 76 |
| 63 | Age and sex effects on 5-HT ₄ receptors in the human brain: A [¹¹ C]SB207145 PET study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1475-1481. | 2.4 | 72 |
| 64 | Hippocampal volume changes in healthy subjects at risk of unipolar depression. <i>Journal of Psychiatric Research</i> , 2010, 44, 655-662. | 1.5 | 70 |
| 65 | Kinetic Analysis of the Human Blood-Brain Barrier Transport of Lactate and its Influence by Hypercapnia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1991, 11, 581-586. | 2.4 | 68 |
| 66 | Immunodetection of the serotonin transporter protein is a more valid marker for serotonergic fibers than serotonin. <i>Synapse</i> , 2006, 59, 270-276. | 0.6 | 68 |
| 67 | Serotonergic mechanisms in the migraine brain – a systematic review. <i>Cephalalgia</i> , 2017, 37, 251-264. | 1.8 | 68 |
| 68 | Idiopathic normal-pressure hydrocephalus: evaluation and findings in a multidisciplinary memory clinic. <i>European Journal of Neurology</i> , 2001, 8, 601-611. | 1.7 | 67 |
| 69 | Characterization of DegU, a response regulator in <i>Listeria monocytogenes</i> , involved in regulation of motility and contributes to virulence. <i>FEMS Microbiology Letters</i> , 2004, 240, 171-179. | 0.7 | 65 |
| 70 | Loss of serotonin 2A receptors exceeds loss of serotonergic projections in early Alzheimer's disease: a combined [¹¹ C]DASB and [¹⁸ F]altanserin-PET study. <i>Neurobiology of Aging</i> , 2012, 33, 479-487. | 1.5 | 65 |
| 71 | Cerebral Blood Flow and Oxidative Metabolism during Human Endotoxemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 1262-1270. | 2.4 | 64 |
| 72 | Cortical and Subcortical 5-HT _{2A} Receptor Binding in Neuroleptic-Naive First-Episode Schizophrenic Patients. <i>Neuropsychopharmacology</i> , 2008, 33, 2435-2441. | 2.8 | 64 |

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|----|---|-----|-----------|
| 73 | Cerebral blood flow autoregulation and transcranial doppler sonography in patients with cirrhosis. <i>Hepatology</i> , 1995, 22, 730-736. | 3.6 | 63 |
| 74 | Serotonin Transporters in Dopamine Transporter Imaging: A Head-to-Head Comparison of Dopamine Transporter SPECT Radioligands ¹²³ I-FP-CIT and ¹²³ I-PE2I. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1885-1891. | 2.8 | 63 |
| 75 | Cerebral Serotonin 4 Receptors and Amyloid- β^2 in Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 457-466. | 1.2 | 63 |
| 76 | Dependency of cerebral blood flow on mean arterial pressure in patients with acute bacterial meningitis. <i>Critical Care Medicine</i> , 2000, 28, 1027-1032. | 0.4 | 61 |
| 77 | Cerebral Pressure Autoregulation and Vasoreactivity in the Newborn Rat. <i>Pediatric Research</i> , 2005, 57, 294-298. | 1.1 | 61 |
| 78 | Cerebral 5-HT2A receptor binding is increased in patients with Tourette's syndrome. <i>International Journal of Neuropsychopharmacology</i> , 2007, 10, 245. | 1.0 | 61 |
| 79 | Serotonin 2A receptor agonist binding in the human brain with [11C]Cimbi-36: Test-retest reproducibility and head-to-head comparison with the antagonist [18F]altanserin. <i>NeuroImage</i> , 2016, 130, 167-174. | 2.1 | 61 |
| 80 | Violent offenders respond to provocations with high amygdala and striatal reactivity. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 802-810. | 1.5 | 61 |
| 81 | Lack of association between prior depressive episodes and cerebral [11C]PIB binding. <i>Neurobiology of Aging</i> , 2012, 33, 2334-2342. | 1.5 | 60 |
| 82 | Development of a 11C-labeled tetrazine for rapid tetrazine-trans-cyclooctene ligation. <i>Chemical Communications</i> , 2013, 49, 3805. | 2.2 | 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. <i>NeuroImage</i> , 2014, 84, 342-353. | 2.1 | 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. <i>Neuroscience</i> , 2014, 263, 36-45. | 1.1 | 60 |
| 85 | Seasonal difference in brain serotonin transporter binding predicts symptom severity in patients with seasonal affective disorder. <i>Brain</i> , 2016, 139, 1605-1614. | 3.7 | 60 |
| 86 | Obesity is associated with high serotonin 4 receptor availability in the brain reward circuitry. <i>NeuroImage</i> , 2012, 61, 884-888. | 2.1 | 59 |
| 87 | Simultaneous fMRI-PET of the opioidergic pain system in human brain. <i>NeuroImage</i> , 2014, 102, 275-282. | 2.1 | 59 |
| 88 | Psilocybin-induced changes in brain network integrity and segregation correlate with plasma psilocin level and psychedelic experience. <i>European Neuropsychopharmacology</i> , 2021, 50, 121-132. | 0.3 | 57 |
| 89 | An Incomplete TCA Cycle Increases Survival of <i>Salmonella Typhimurium</i> during Infection of Resting and Activated Murine Macrophages. <i>PLoS ONE</i> , 2010, 5, e13871. | 1.1 | 57 |
| 90 | ¹¹ C-NS14492 as a Novel PET Radioligand for Imaging Cerebral α^7 Nicotinic Acetylcholine Receptors: In Vivo Evaluation and Drug Occupancy Measurements. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1449-1456. | 2.8 | 56 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Calculation of the FDG Lumped Constant by Simultaneous Measurements of Global Glucose and FDG Metabolism in Humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 154-160. | 2.4 | 55 |
| 92 | Binding characteristics of the 5-HT _{2A} receptor antagonists altanserin and MDL 100907. <i>Synapse</i> , 2005, 58, 249-257. | 0.6 | 55 |
| 93 | Cerebral blood flow autoregulation is absent in rats with thioacetamide-induced hepatic failure. <i>Journal of Hepatology</i> , 1994, 21, 491-495. | 1.8 | 54 |
| 94 | Genome-wide analyses of <i>Listeria monocytogenes</i> from food processing plants reveal clonal diversity and date the emergence of persisting sequence types. <i>Environmental Microbiology Reports</i> , 2017, 9, 428-440. | 1.0 | 54 |
| 95 | 5-HTTLPR status predictive of neocortical 5-HT ₄ binding assessed with [¹¹ C]SB207145 PET in humans. <i>NeuroImage</i> , 2012, 62, 130-136. | 2.1 | 53 |
| 96 | Evaluation of the Novel 5-HT ₄ Receptor PET Ligand [¹¹ C]SB207145 in the Göttingen Minipig. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 186-196. | 2.4 | 52 |
| 97 | A Nonlinear Relationship between Cerebral Serotonin Transporter and 5-HT _{2A} Receptor Binding: An <i>In Vivo</i> Molecular Imaging Study in Humans. <i>Journal of Neuroscience</i> , 2010, 30, 3391-3397. | 1.7 | 52 |
| 98 | The 5-HT ₄ receptor levels in hippocampus correlates inversely with memory test performance in humans. <i>Human Brain Mapping</i> , 2013, 34, 3066-3074. | 1.9 | 51 |
| 99 | High familial risk for mood disorder is associated with low dorsolateral prefrontal cortex serotonin transporter binding. <i>NeuroImage</i> , 2009, 46, 360-366. | 2.1 | 50 |
| 100 | Laser Doppler flowmetry is valid for measurement of cerebral blood flow autoregulation lower limit in rats. <i>Experimental Physiology</i> , 2005, 90, 349-355. | 0.9 | 49 |
| 101 | Familial Risk for Mood Disorder and the Personality Risk Factor, Neuroticism, Interact in Their Association with Frontolimbic Serotonin 2A Receptor Binding. <i>Neuropsychopharmacology</i> , 2010, 35, 1129-1137. | 2.8 | 49 |
| 102 | ClpP deletion causes attenuation of Salmonella Typhimurium virulence through mis-regulation of RpoS and indirect control of CsrA and the SPI genes. <i>Microbiology (United Kingdom)</i> , 2013, 159, 1497-1509. | 0.7 | 49 |
| 103 | Blood-brain barrier transport of amino acids in healthy controls and in patients with phenylketonuria. <i>Journal of Inherited Metabolic Disease</i> , 1995, 18, 653-664. | 1.7 | 48 |
| 104 | Interference of anaesthetics with radioligand binding in neuroreceptor studies. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 912-915. | 3.3 | 48 |
| 105 | Radiosynthesis and Evaluation of ¹¹ C-CIMBI-5 as a 5-HT _{2A} Receptor Agonist Radioligand for PET. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1763-1770. | 2.8 | 48 |
| 106 | Mass dose effects and in vivo affinity in brain PET receptor studies – a study of cerebral 5-HT ₄ receptor binding with [¹¹ C]SB207145. <i>Nuclear Medicine and Biology</i> , 2011, 38, 1085-1091. | 0.3 | 48 |
| 107 | Survival of Bactericidal Antibiotic Treatment by a Persister Subpopulation of <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 7390-7397. | 1.4 | 48 |
| 108 | No association between striatal dopamine transporter binding and body mass index: A multi-center European study in healthy volunteers. <i>NeuroImage</i> , 2013, 64, 61-67. | 2.1 | 47 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Guidelines for the content and format of PET brain data in publications and archives: A consensus paper. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1576-1585. | 2.4 | 47 |
| 110 | A high-resolution in vivo atlas of the human brain's benzodiazepine binding site of GABAA receptors. <i>NeuroImage</i> , 2021, 232, 117878. | 2.1 | 47 |
| 111 | Cerebral perfusion, cardiac output, and arterial pressure in patients with fulminant hepatic failure. <i>Critical Care Medicine</i> , 2000, 28, 996-1000. | 0.4 | 47 |
| 112 | Apolipoprotein E and multiple sclerosis: impact of the epsilon-4 allele on susceptibility, clinical type and progression rate. <i>Multiple Sclerosis Journal</i> , 2000, 6, 226-230. | 1.4 | 47 |
| 113 | Blood-brain barrier permeability in galactosamine-induced hepatic encephalopathy. <i>Journal of Hepatology</i> , 1988, 6, 187-192. | 1.8 | 46 |
| 114 | The BDNF Val66Met polymorphism: Relation to familiar risk of affective disorder, BDNF levels and salivary cortisol. <i>Psychoneuroendocrinology</i> , 2009, 34, 1380-1389. | 1.3 | 46 |
| 115 | Sex-Steroid Hormone Manipulation Reduces Brain Response to Reward. <i>Neuropsychopharmacology</i> , 2016, 41, 1057-1065. | 2.8 | 46 |
| 116 | Psychedelic resting-state neuroimaging: A review and perspective on balancing replication and novel analyses. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 138, 104689. | 2.9 | 45 |
| 117 | Cognitive deficits in obsessive-compulsive disorder on tests of frontal lobe functions. <i>Nordic Journal of Psychiatry</i> , 2005, 59, 39-44. | 0.7 | 43 |
| 118 | Preclinical Safety Assessment of the 5-HT2A Receptor Agonist PET Radioligand [11C]Cimbi-36. <i>Molecular Imaging and Biology</i> , 2013, 15, 376-383. | 1.3 | 43 |
| 119 | [18F]altanserin Binding to Human 5HT2A Receptors is Unaltered after Citalopram and Pindolol Challenge. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 1037-1045. | 2.4 | 42 |
| 120 | Effects of erythropoietin on depressive symptoms and neurocognitive deficits in depression and bipolar disorder. <i>Trials</i> , 2010, 11, 97. | 0.7 | 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. <i>Neuroscience</i> , 2010, 169, 1007-1016. | 1.1 | 42 |
| 122 | Metabolic Fate of Hallucinogenic NBOMes. <i>Chemical Research in Toxicology</i> , 2016, 29, 96-100. | 1.7 | 42 |
| 123 | Synthesis and biological evaluation of novel carbon-11-labelled analogues of citalopram as potential radioligands for the serotonin transporter. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 3447-3456. | 1.4 | 41 |
| 124 | Cognitive function is related to fronto-striatal serotonin transporter levels – a brain PET study in young healthy subjects. <i>Psychopharmacology</i> , 2011, 213, 573-581. | 1.5 | 41 |
| 125 | Striatal dopamine transporter binding correlates with serum BDNF levels in patients with striatal dopaminergic neurodegeneration. <i>Neurobiology of Aging</i> , 2012, 33, 428.e1-428.e5. | 1.5 | 41 |
| 126 | Serotonin 2A Receptors, Citalopram and Tryptophan-Depletion: a Multimodal Imaging Study of their Interactions During Response Inhibition. <i>Neuropsychopharmacology</i> , 2013, 38, 996-1005. | 2.8 | 41 |

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|-----|---|-----|-----------|
| 127 | TSPO Imaging in Glioblastoma Multiforme: A Direct Comparison Between ¹²³ I-CLINDE SPECT, ¹⁸ F-FET PET, and Gadolinium-Enhanced MR Imaging. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1386-1390. | 2.8 | 41 |
| 128 | Serotonin 1B Receptor Binding Is Associated With Trait Anger and Level of Psychopathy in Violent Offenders. <i>Biological Psychiatry</i> , 2017, 82, 267-274. | 0.7 | 41 |
| 129 | Regional cerebral blood flow during mechanical hyperventilation in patients with fulminant hepatic failure. <i>Hepatology</i> , 1999, 30, 1368-1373. | 3.6 | 40 |
| 130 | Cortisol awakening response and negative emotionality linked to asymmetry in major limbic fibre bundle architecture. <i>Psychiatry Research - Neuroimaging</i> , 2012, 201, 63-72. | 0.9 | 40 |
| 131 | Measuring endogenous changes in serotonergic neurotransmission with [¹¹ C]Cimbi-36 positron emission tomography in humans. <i>Translational Psychiatry</i> , 2019, 9, 134. | 2.4 | 40 |
| 132 | Brain serotonin 2A receptor binding predicts subjective temporal and mystical effects of psilocybin in healthy humans. <i>Journal of Psychopharmacology</i> , 2021, 35, 459-468. | 2.0 | 40 |
| 133 | Blood-Brain Barrier Transport and Brain Metabolism of Glucose during Acute Hyperglycemia in Humans ¹ . <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 1986-1990. | 1.8 | 39 |
| 134 | Non-serotonergic dorsal and median raphe projection onto parvalbumin- and calbindin-containing neurons in hippocampus and septum. <i>Neuroscience</i> , 2004, 124, 573-581. | 1.1 | 39 |
| 135 | Reproducibility of 5-HT _{2A} receptor measurements and sample size estimations with [¹⁸ F]altanserin PET using a bolus/infusion approach. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 910-915. | 3.3 | 39 |
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