

# Anna-Liisa Brownell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4222463/publications.pdf>

Version: 2024-02-01

37  
papers

492  
citations

759233

12  
h-index

713466

21  
g-index

41  
all docs

41  
docs citations

41  
times ranked

703  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo PET Imaging in rat of dopamine terminals reveals functional neural transplants. <i>Annals of Neurology</i> , 1998, 43, 387-390.	5.3	74
2	Evaluation of (4-[ <sup>18</sup> F]Fluorophenyl)triphenylphosphonium Ion. A Potential Myocardial Blood Flow Agent for PET. <i>Molecular Imaging and Biology</i> , 2011, 13, 511-517.	2.6	46
3	<sup>18</sup> F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography Enables the Detection of Recurrent Same-Site Deep Vein Thrombosis by Illuminating Recently Formed, Neutrophil-Rich Thrombus. <i>Circulation</i> , 2014, 130, 1044-1052.	1.6	40
4	3-Nitropropionic acid-induced neurotoxicity - assessed by ultra high resolution positron emission tomography with comparison to magnetic resonance spectroscopy. <i>Journal of Neurochemistry</i> , 2004, 89, 1206-1214.	3.9	33
5	PET imaging studies show enhanced expression of mGluR5 and inflammatory response during progressive degeneration in ALS mouse model expressing SOD1-G93A gene. <i>Journal of Neuroinflammation</i> , 2015, 12, 217.	7.2	26
6	Radiosynthesis of PET radiotracer as a prodrug for imaging group II metabotropic glutamate receptors in vivo. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1958-1962.	2.2	23
7	Radiosynthesis of N-(4-chloro-3-[ <sup>11</sup> C]methoxyphenyl)-2-picolinamide ([ <sup>11</sup> C]ML128) as a PET radiotracer for metabotropic glutamate receptor subtype 4 (mGlu4). <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5955-5962.	3.0	22
8	Radiosynthesis and Evaluation of an <sup>18</sup> F-Labeled Positron Emission Tomography (PET) Radioligand for Metabotropic Glutamate Receptor Subtype 4 (mGlu <sub>4</sub> ). <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9130-9138.	6.4	22
9	Precision Medicine in Multiple Sclerosis: Future of PET Imaging of Inflammation and Reactive Astrocytes. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 85.	2.9	19
10	In vivo imaging of mGlu5 receptor expression in humans with Fragile X Syndrome towards development of a potential biomarker. <i>Scientific Reports</i> , 2021, 11, 15897.	3.3	17
11	Development of [ <sup>123</sup> I]IPEB and [ <sup>123</sup> I]IMPEB as SPECT Radioligands for Metabotropic Glutamate Receptor Subtype 5. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 652-656.	2.8	14
12	A concise method for fully automated radiosyntheses of [ <sup>18</sup> F]JNJ-46356479 and [ <sup>18</sup> F]FITM <i>via</i> Cu-mediated <sup>18</sup> F-fluorination of organoboranes. <i>RSC Advances</i> , 2020, 10, 25223-25227.	3.6	14
13	Synthesis and evaluation of N-(methylthiophenyl)picolinamide derivatives as PET radioligands for metabotropic glutamate receptor subtype 4. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 133-139.	2.2	13
14	Synthesis and Characterization of [ <sup>18</sup> F]JNJ-46356479 as the First <sup>18</sup> F-Labeled PET Imaging Ligand for Metabotropic Glutamate Receptor 2. <i>Molecular Imaging and Biology</i> , 2021, 23, 527-536.	2.6	12
15	Molecular Imaging with Bioluminescence and PET Reveals Viral Oncolysis Kinetics and Tumor Viability. <i>Cancer Research</i> , 2014, 74, 4111-4121.	0.9	11
16	Co-operative binding assay for the characterization of mGlu4 allosteric modulators. <i>Neuropharmacology</i> , 2015, 97, 142-148.	4.1	10
17	Functional modulation of G-protein coupled receptors during Parkinson disease-like neurodegeneration. <i>Neuropharmacology</i> , 2016, 108, 462-473.	4.1	9
18	Design, Synthesis, and Characterization of Benzimidazole Derivatives as Positron Emission Tomography Imaging Ligands for Metabotropic Glutamate Receptor 2. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12060-12072.	6.4	9

#	ARTICLE	IF	CITATIONS
19	Development of Metabotropic Glutamate Receptor Ligands for Neuroimaging. <i>Current Medical Imaging</i> , 2007, 3, 186-205.	0.8	8
20	Re-exploring the N-phenylpicolinamide derivatives to develop mGlu4 ligands with improved affinity and in vitro microsomal stability. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3956-3960.	2.2	7
21	Loss of Metabotropic Glutamate Receptor 5 Function on Peripheral Benzodiazepine Receptor in Mice Prenatally Exposed to LPS. <i>PLoS ONE</i> , 2015, 10, e0142093.	2.5	7
22	Hypo-Anxious Phenotype of Adolescent Offspring Prenatally Exposed to LPS Is Associated with Reduced mGluR5 Expression in Hippocampus. <i>Open Journal of Medical Psychology</i> , 2014, 03, 202-211.	0.5	7
23	Improved synthesis of the thiophenol precursor N-(4-chloro-3-mercaptophenyl)picolinamide for making the mGluR4 PET ligands. <i>Tetrahedron</i> , 2019, 75, 3917-3922.	1.9	6
24	Radiolabeling and biodistribution of methyl 2-(methoxycarbonyl)-2-(methylamino) bicyclo [2.1.1] -hexane -5-carboxylate, a potential neuroprotective drug. <i>Life Sciences</i> , 2003, 73, 1577-1585.	4.3	5
25	A model of breast cancer meningeal metastases: characterization with in vivo molecular imaging. <i>Cancer Gene Therapy</i> , 2019, 26, 145-156.	4.6	5
26	Synthesis and Characterization of Fluorine-18-Labeled N-(4-Chloro-3-((fluoromethyl)thio)phenyl)picolinamide for Imaging of mGluR4 in Brain. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3381-3389.	6.4	5
27	Molecular and regional targets of cocaine in primate brain: liberation from prosaic views. <i>Addiction Biology</i> , 2000, 5, 351-359.	2.6	4
28	Longitudinal PET studies of mGluR5 in FXS using an FMR1 knockout mouse model. <i>Translational Neuroscience</i> , 2022, 13, 80-92.	1.4	4
29	Imaging High-Risk Atherothrombosis Using a Novel Fibrin-Binding Positron Emission Tomography Probe. <i>Stroke</i> , 2022, 53, 595-604.	2.0	3
30	Design, Synthesis, and Characterization of [ <sup>18</sup> F]mG2P026 as a High-Contrast PET Imaging Ligand for Metabotropic Glutamate Receptor 2. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 9939-9954.	6.4	3
31	Prognostic imaging of neuroblastoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 1043-1045.	6.4	2
32	Synthesis and evaluation of an N-[ <sup>18</sup> F]fluorodeoxyglycosyl amino acid for PET imaging of tumor metabolism. <i>Nuclear Medicine and Biology</i> , 2018, 66, 40-48.	0.6	2
33	Synthesis and Characterization of 5-(2-Fluoro-4-[[ <sup>11</sup> C]methoxyphenyl)-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-b]pyridine-7-carboxamide as a PET Imaging Ligand for Metabotropic Glutamate Receptor 2. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2593-2609.	6.4	2
34	Organomediated cleavage of benzoyl group enables an efficient synthesis of 1-(6-nitropyridin-2-yl)thiourea and its application for developing <sup>18</sup> F-labeled PET tracers. <i>Bioorganic Chemistry</i> , 2022, 124, 105804.	4.1	2
35	Neurotoxicity-Induced Changes in Striatal Dopamine Receptor Function. <i>Annals of the New York Academy of Sciences</i> , 2003, 991, 281-283.	3.8	1
36	Response to Letter Regarding Article, <sup>18</sup> F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography Enables the Detection of Recurrent Same-Site Deep Vein Thrombosis by Illuminating Recently Formed, Neutrophil-Rich Thrombus. <i>Circulation</i> , 2015, 131, e531-2.	1.6	0

#	ARTICLE	IF	CITATIONS
37	Abstract 1309: HSV1 oncolytic therapy for breast cancer meningeal metastases. , 2021, , .		0