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	492	759233 12	713466 21
papers	citations	h-index	g-index

41	41	41	703
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and Characterization of 5-(2-Fluoro-4-[¹¹C]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. Journal of Medicinal Chemistry, 2022, 65, 2593-2609.	6.4	2
2	Imaging High-Risk Atherothrombosis Using a Novel Fibrin-Binding Positron Emission Tomography Probe. Stroke, 2022, 53, 595-604.	2.0	3
3	Organomediated cleavage of benzoyl group enables an efficient synthesis of 1-(6-nitropyridin-2-yl)thiourea and its application for developing 18F-labeled PET tracers. Bioorganic Chemistry, 2022, 124, 105804.	4.1	2
4	Longitudinal PET studies of mGluR5 in FXS using an FMR1 knockout mouse model. Translational Neuroscience, 2022, 13, 80-92.	1.4	4
5	Design, Synthesis, and Characterization of [¹⁸F]mG2P026 as a High-Contrast PET Imaging Ligand for Metabotropic Glutamate Receptor 2. Journal of Medicinal Chemistry, 2022, 65, 9939-9954.	6.4	3
6	Synthesis and Characterization of [18F]JNJ-46356479 as the First 18F-Labeled PET Imaging Ligand for Metabotropic Glutamate Receptor 2. Molecular Imaging and Biology, 2021, 23, 527-536.	2.6	12
7	Abstract 1309: HSV1 oncolytic therapy for breast cancer meningeal metastases. , 2021, , .		0
8	In vivo imaging of mGlu5 receptor expression in humans with Fragile X Syndrome towards development of a potential biomarker. Scientific Reports, 2021, 11, 15897.	3.3	17
9	Design, Synthesis, and Characterization of Benzimidazole Derivatives as Positron Emission Tomography Imaging Ligands for Metabotropic Glutamate Receptor 2. Journal of Medicinal Chemistry, 2020, 63, 12060-12072.	6.4	9
10	A concise method for fully automated radiosyntheses of [¹⁸F]JNJ-46356479 and [¹⁸F]FITM via Cu-mediated ¹⁸F-fluorination of organoboranes. RSC Advances, 2020, 10, 25223-25227.	3.6	14
11	Synthesis and Characterization of Fluorine-18-Labeled N-(4-Chloro-3-((fluoromethyl-d₂)thio)phenyl)picolinamide for Imaging of mGluR4 in Brain. Journal of Medicinal Chemistry, 2020, 63, 3381-3389.	6.4	5
12	Improved synthesis of the thiophenol precursor N-(4-chloro-3-mercaptophenyl)picolinamide for making the mGluR4 PET ligands. Tetrahedron, 2019, 75, 3917-3922.	1.9	6
13	A model of breast cancer meningeal metastases: characterization with in vivo molecular imaging. Cancer Gene Therapy, 2019, 26, 145-156.	4.6	5
14	Synthesis and evaluation of an N-[18F]fluorodeoxyglycosyl amino acid for PET imaging of tumor metabolism. Nuclear Medicine and Biology, 2018, 66, 40-48.	0.6	2
15	Precision Medicine in Multiple Sclerosis: Future of PET Imaging of Inflammation and Reactive Astrocytes. Frontiers in Molecular Neuroscience, 2016, 9, 85.	2.9	19
16	Synthesis and evaluation of N-(methylthiophenyl)picolinamide derivatives as PET radioligands for metabotropic glutamate receptor subtype 4. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 133-139.	2.2	13
17	Functional modulation of G-protein coupled receptors during Parkinson disease-like neurodegeneration. Neuropharmacology, 2016, 108, 462-473.	4.1	9
18	PET imaging studies show enhanced expression of mGluR5 and inflammatory response during progressive degeneration in ALS mouse model expressing SOD1-G93A gene. Journal of Neuroinflammation, 2015, 12, 217.	7.2	26

#	Article	IF	Citations
19	Response to Letter Regarding Article, â€œ ¹⁸ F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography Enables the Detection of Recurrent Same-Site Deep Vein Thrombosis by Illuminating Recently Formed, Neutrophil-Rich Thrombusâ€• Circulation, 2015, 131, e531-2.	1.6	0
20	Re-exploring the N-phenylpicolinamide derivatives to develop mGlu4 ligands with improved affinity and in vitro microsomal stability. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3956-3960.	2.2	7
21	Co-operative binding assay for the characterization of mGlu4 allosteric modulators. Neuropharmacology, 2015, 97, 142-148.	4.1	10
22	Loss of Metabotropic Glutamate Receptor 5 Function on Peripheral Benzodiazepine Receptor in Mice Prenatally Exposed to LPS. PLoS ONE, 2015, 10, e0142093.	2.5	7
23	Radiosynthesis and Evaluation of an ¹⁸F-Labeled Positron Emission Tomography (PET) Radioligand for Metabotropic Glutamate Receptor Subtype 4 (mGlu₄). Journal of Medicinal Chemistry, 2014, 57, 9130-9138.	6.4	22
24	¹⁸ F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography Enables the Detection of Recurrent Same-Site Deep Vein Thrombosis by Illuminating Recently Formed, Neutrophil-Rich Thrombus. Circulation, 2014, 130, 1044-1052.	1.6	40
25	Prognostic imaging of neuroblastoma. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1043-1045.	6.4	2
26	Development of [¹²³I]IPEB and [¹²³I]IMPEB as SPECT Radioligands for Metabotropic Glutamate Receptor Subtype 5. ACS Medicinal Chemistry Letters, 2014, 5, 652-656.	2.8	14
27	Molecular Imaging with Bioluminescence and PET Reveals Viral Oncolysis Kinetics and Tumor Viability. Cancer Research, 2014, 74, 4111-4121.	0.9	11
28	Hypo-Anxious Phenotype of Adolescent Offspring Prenatally Exposed to LPS Is Associated with Reduced mGluR5 Expression in Hippocampus. Open Journal of Medical Psychology, 2014, 03, 202-211.	0.5	7
29	Radiosynthesis of N-(4-chloro-3-[11C]methoxyphenyl)-2-picolinamide ([11C]ML128) as a PET radiotracer for metabotropic glutamate receptor subtype 4 (mGlu4). Bioorganic and Medicinal Chemistry, 2013, 21, 5955-5962.	3.0	22
30	Radiosynthesis of PET radiotracer as a prodrug for imaging group II metabotropic glutamate receptors in vivo. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1958-1962.	2.2	23
31	Evaluation of (4-[18F]Fluorophenyl)triphenylphosphonium Ion. A Potential Myocardial Blood Flow Agent for PET. Molecular Imaging and Biology, 2011, 13, 511-517.	2.6	46
32	Development of Metabotropic Glutamate Receptor Ligands for Neuroimaging. Current Medical Imaging, 2007, 3, 186-205.	0.8	8
33	3-Nitropropionic acid-induced neurotoxicity - assessed by ultra high resolution positron emission tomography with comparison to magnetic resonance spectroscopy. Journal of Neurochemistry, 2004, 89, 1206-1214.	3.9	33
34	Radiolabeling and biodistribution of methyl 2-(methoxycarbonyl)-2-(methylamino) bicyclo [2.1.1] - hexane -5-carboxylate, a potential neuroprotective drug. Life Sciences, 2003, 73, 1577-1585.	4.3	5
35	Neurotoxicityâ€Induced Changes in Striatal Dopamine Receptor Function. Annals of the New York Academy of Sciences, 2003, 991, 281-283.	3.8	1
36	Molecular and regional targets of cocaine in primate brain: liberation from prosaic views. Addiction Biology, 2000, 5, 351-359.	2.6	4

#	Article	IF	Citations
37	In vivo PET Imaging in rat of dopamine terminals reveals functional neural transplants. Annals of Neurology, 1998, 43, 387-390.	5.3	74