

Simone Beer

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

680
citations

840776

11
h-index

839539

18
g-index

23
all docs

23
docs citations

23
times ranked

1101
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined MRI—PET dissects dynamic changes in plant structures and functions. <i>Plant Journal</i> , 2009, 59, 634-644.	5.7	268
2	Comparison of LuYAP, LSO, and BGO as scintillators for high resolution PET detectors. <i>IEEE Transactions on Nuclear Science</i> , 2003, 50, 1370-1372.	2.0	78
3	Bone regeneration induced by a 3D architected hydrogel in a rat critical-size calvarial defect. <i>Biomaterials</i> , 2017, 113, 158-169.	11.4	58
4	Small animal PET: aspects of performance assessment. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2004, 31, 1545-1555.	6.4	54
5	Circadian variation of metabotropic glutamate receptor 5 availability in the rat brain. <i>Journal of Sleep Research</i> , 2016, 25, 754-761.	3.2	47
6	Design and initial performance of PlanTIS: a high-resolution positron emission tomograph for plants. <i>Physics in Medicine and Biology</i> , 2010, 55, 635-646.	3.0	43
7	Image reconstruction for the ClearPET— Neuro. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 569, 381-385.	1.6	18
8	In Vivo Kinetic and Steady-State Quantification of ¹⁸ F-CPFPX Binding to Rat Cerebral A ₁ Adenosine Receptors: Validation by Displacement and Autoradiographic Experiments. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1411-1419.	5.0	14
9	[¹⁸ F]Altanserin and small animal PET: Impact of multidrug efflux transporters on ligand brain uptake and subsequent quantification of 5-HT _{2A} receptor densities in the rat brain. <i>Nuclear Medicine and Biology</i> , 2014, 41, 1-9.	0.6	13
10	Gap-filling methods for 3D PlanTIS data. <i>Physics in Medicine and Biology</i> , 2010, 55, 6125-6139.	3.0	12
11	Reproducibility of Non-Invasive A ₁ Adenosine Receptor Quantification in the Rat Brain Using [¹⁸ F]CPFPX and Positron Emission Tomography. <i>Molecular Imaging and Biology</i> , 2014, 16, 699-709.	2.6	12
12	Phosphocreatine Levels in the Left Thalamus Decline during Wakefulness and Increase after a Nap. <i>Journal of Neuroscience</i> , 2018, 38, 10552-10565.	3.6	10
13	Suitability of [¹⁸ F]Altanserin and PET to Determine 5-HT _{2A} Receptor Availability in the Rat Brain: In Vivo and In Vitro Validation of Invasive and Non-Invasive Kinetic Models. <i>Molecular Imaging and Biology</i> , 2013, 15, 456-467.	2.6	9
14	“PlanTIS: A positron emission tomograph for imaging — Transport in Plants”, 2007, , .		8
15	Cerebral A ₁ adenosine receptor availability in female and male participants and its relationship to sleep. <i>NeuroImage</i> , 2021, 245, 118695.	4.2	8
16	PhenoPET: A dedicated PET scanner for plant research based on digital SiPMs (DPCs). , 2014, , .		6
17	Homogenization of the MultiChannel PM gain by inserting light attenuating masks. , 0, , .		5
18	Comparison of the Amyloid Load in the Brains of Two Transgenic Alzheimer—Disease Mouse Models Quantified by Florbetaben Positron Emission Tomography. <i>Frontiers in Neuroscience</i> , 2021, 15, 699926.	2.8	5

#	ARTICLE	IF	CITATIONS
19	Evaluation of 3D printable rubber-elastomeric polymer as phantom material for Hybrid PET/MRI. , 2019, , .		4
20	T1-mapping and dielectric properties evaluation of a 3D printable rubber-elastomeric polymer as tissue mimicking materials for MRI phantoms. Materials Research Express, 2020, 7, 115306.	1.6	4
21	Radiological characteristics of a new experimental rubber elastomeric polymer used in three-dimensional printing with different infill densities and patterns. Journal of Physics Communications, 2020, 4, 125006.	1.2	3
22	Image-Derived Input Functions for Quantification of A1 Adenosine Receptors Availability in Mice Brains Using PET and [18F]CPFPX. Frontiers in Physiology, 2019, 10, 1617.	2.8	1
23	Image Quality assessment for Awake Animal Brain PET. , 2019, , .		0