

Antje Willuweit

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

711
citations

17
h-index

25
g-index

47
ext. papers

841
ext. citations

5.2
avg. IF

3.62
L-index

#	Paper	IF	Citations
43	Small-animal PET imaging of amyloid-beta plaques with [11C]PiB and its multi-modal validation in an APP/PS1 mouse model of Alzheimer's disease. <i>PLoS ONE</i> , 2012 , 7, e31310	3.7	94
42	Imaging of amino acid transport in brain tumours: Positron emission tomography with O-(2-[F]fluoroethyl)-L-tyrosine (FET). <i>Methods</i> , 2017 , 130, 124-134	4.6	55
41	Osteopontin mediates survival, proliferation and migration of neural stem cells through the chemokine receptor CXCR4. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 99	8.3	53
40	Early-onset and robust amyloid pathology in a new homozygous mouse model of Alzheimer's disease. <i>PLoS ONE</i> , 2009 , 4, e7931	3.7	36
39	Epileptic Activity Increases Cerebral Amino Acid Transport Assessed by 18F-Fluoroethyl-L-Tyrosine Amino Acid PET: A Potential Brain Tumor Mimic. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 129-137	8.9	34
38	QIAD assay for quantitating a compound's efficacy in elimination of toxic A β oligomers. <i>Scientific Reports</i> , 2015 , 5, 13222	4.9	33
37	Pharmacokinetic Properties of a Novel D-Peptide Developed to be Therapeutically Active Against Toxic A β Amyloid Oligomers. <i>Pharmaceutical Research</i> , 2016 , 33, 328-36	4.5	28
36	The A β oligomer eliminating D-enantiomeric peptide RD2 improves cognition without changing plaque pathology. <i>Scientific Reports</i> , 2017 , 7, 16275	4.9	28
35	Osteopontin Augments M2 Microglia Response and Separates M1- and M2-Polarized Microglial Activation in Permanent Focal Cerebral Ischemia. <i>Mediators of Inflammation</i> , 2017 , 2017, 7189421	4.3	25
34	Post-stroke treatment with argon attenuated brain injury, reduced brain inflammation and enhanced M2 microglia/macrophage polarization: a randomized controlled animal study. <i>Critical Care</i> , 2019 , 23, 198	10.8	24
33	Influence of Bevacizumab on Blood-Brain Barrier Permeability and -(2-F-Fluoroethyl)-L-Tyrosine Uptake in Rat Gliomas. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 700-705	8.9	23
32	Preclinical Pharmacokinetic Studies of the Tritium Labelled D-Enantiomeric Peptide D3 Developed for the Treatment of Alzheimer's Disease. <i>PLoS ONE</i> , 2015 , 10, e0128553	3.7	22
31	Uptake of O-(2-[18F]fluoroethyl)-L-tyrosine in reactive astrocytosis in the vicinity of cerebral gliomas. <i>Nuclear Medicine and Biology</i> , 2013 , 40, 795-800	2.1	21
30	Pharmacokinetic properties of tandem d-peptides designed for treatment of Alzheimer's disease. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 89, 31-8	5.1	20
29	A β Oligomer Elimination Restores Cognition in Transgenic Alzheimer's Mice with Full-blown Pathology. <i>Molecular Neurobiology</i> , 2019 , 56, 2211-2223	6.2	18
28	Influence of blood-brain barrier permeability on O-(2-F-fluoroethyl)-L-tyrosine uptake in rat gliomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 408-416	8.8	18
27	Large-Scale Oral Treatment Study with the Four Most Promising D3-Derivatives for the Treatment of Alzheimer's Disease. <i>Molecules</i> , 2017 , 22,	4.8	17

26	Blood-brain barrier penetration of an A β -targeted, arginine-rich, d-enantiomeric peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 2717-2724	3.8	15
25	Reproducibility of O-(2-(18)F-fluoroethyl)-L-tyrosine uptake kinetics in brain tumors and influence of corticoid therapy: an experimental study in rat gliomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 1115-23	8.8	15
24	Safety and pharmacokinetics of the orally available antiprionic compound PRI-002: A single and multiple ascending dose phase I study. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2020 , 6, e12001	6	12
23	Osteopontin Attenuates Secondary Neurodegeneration in the Thalamus after Experimental Stroke. <i>Journal of NeuroImmune Pharmacology</i> , 2019 , 14, 295-311	6.9	11
22	Current trends in the use of O-(2-[F]fluoroethyl)-L-tyrosine ([F]FET) in neurooncology. <i>Nuclear Medicine and Biology</i> , 2021 , 92, 78-84	2.1	11
21	Comparison of blood-brain barrier penetration efficiencies between linear and cyclic all-d-enantiomeric peptides developed for the treatment of Alzheimer's disease. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 114, 93-102	5.1	11
20	In Vitro Potency and Preclinical Pharmacokinetic Comparison of All-D-Enantiomeric Peptides Developed for the Treatment of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018 , 64, 859-873	4.3	8
19	Detection of remote neuronal reactions in the Thalamus and Hippocampus induced by rat glioma using the PET tracer cis-4-[18 F]fluoro-D-proline. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 724-31	7.3	8
18	O-(2-[18F]-Fluoroethyl)-L-Tyrosine (FET) in Neurooncology: A Review of Experimental Results. <i>Current Radiopharmaceuticals</i> , 2019 , 12, 201-210	1.8	8
17	Deceleration of the neurodegenerative phenotype in pyroglutamate-A β -accumulating transgenic mice by oral treatment with the A β oligomer eliminating compound RD2. <i>Neurobiology of Disease</i> , 2019 , 124, 36-45	7.5	8
16	Design and use of a folded four-ring double-tuned birdcage coil for rat brain sodium imaging at 9.4 T. <i>Journal of Magnetic Resonance</i> , 2018 , 286, 110-114	3	8
15	High uptake of Ga-PSMA and F-DCFPyL in the peritumoral area of rat gliomas due to activated astrocytes. <i>EJNMMI Research</i> , 2020 , 10, 55	3.6	7
14	A β oligomer eliminating compounds interfere successfully with pEA β (42) induced motor neurodegenerative phenotype in transgenic mice. <i>Neuropeptides</i> , 2018 , 67, 27-35	3.3	7
13	Comprehensive Characterization of the Pyroglutamate Amyloid- β -Induced Motor Neurodegenerative Phenotype of TBA2.1 Mice. <i>Journal of Alzheimer's Disease</i> , 2018 , 63, 115-130	4.3	6
12	Treatment-Related Uptake of -(2-F-Fluoroethyl)-l-Tyrosine and l-[Methyl-H]-Methionine After Tumor Resection in Rat Glioma Models. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 1373-1379	8.9	4
11	Investigation of cis-4-[F]Fluoro-D-Proline Uptake in Human Brain Tumors After Multimodal Treatment. <i>Molecular Imaging and Biology</i> , 2018 , 20, 1035-1043	3.8	4
10	A Novel Anti-Inflammatory d-Peptide Inhibits Disease Phenotype Progression in an ALS Mouse Model. <i>Molecules</i> , 2021 , 26,	4.8	3
9	In Vitro and In Vivo Efficacies of the Linear and the Cyclic Version of an All-d-Enantiomeric Peptide Developed for the Treatment of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3

8	Investigation of Cerebral O-(2-[F]Fluoroethyl)-L-Tyrosine Uptake in Rat Epilepsy Models. <i>Molecular Imaging and Biology</i> , 2020 , 22, 1255-1265	3.8	2
7	Sex-Related Motor Deficits in the Tau-P301L Mouse Model. <i>Biomedicines</i> , 2021 , 9,	4.8	2
6	Predicting experimental success: a retrospective case-control study using the rat intraluminal thread model of stroke. <i>DMM Disease Models and Mechanisms</i> , 2020 , 13,	4.1	1
5	PEA β Triggers Cognitive Decline and Amyloid Burden in a Novel Mouse Model of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
4	Cis-4-[18F]fluoro-D-proline detects neurodegeneration in patients with akinetic-rigid parkinsonism. <i>Nuclear Medicine Communications</i> , 2019 , 40, 383-387	1.6	1
3	CLC anion/proton exchangers regulate secretory vesicle filling and granule exocytosis in chromaffin cells.. <i>Journal of Neuroscience</i> , 2022 ,	6.6	1
2	Comparison of the Amyloid Load in the Brains of Two Transgenic Alzheimer's Disease Mouse Models Quantified by Florbetaben Positron Emission Tomography. <i>Frontiers in Neuroscience</i> , 2021 , 15, 699926	5.1	0
1	Post-stroke treatment with argon preserved neurons and attenuated microglia/macrophage activation long-termly in a rat model of transient middle cerebral artery occlusion (tMCAO).. <i>Scientific Reports</i> , 2022 , 12, 691	4.9	