

Helmut Heinsen

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,097
citations

394421

19
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

3041
citing authors

#	ARTICLE	IF	CITATIONS
1	Locus coeruleus volume and cell population changes during Alzheimer's disease progression: A stereological study in human postmortem brains with potential implication for early-stage biomarker discovery. <i>Alzheimer's and Dementia</i> , 2017, 13, 236-246.	0.8	263
2	Atrophy of the Cholinergic Basal Forebrain Over the Adult Age Range and in Early Stages of Alzheimer's Disease. <i>Biological Psychiatry</i> , 2012, 71, 805-813.	1.3	254
3	Molecular characterization of selectively vulnerable neurons in Alzheimer's disease. <i>Nature Neuroscience</i> , 2021, 24, 276-287.	14.8	238
4	Measurement of basal forebrain atrophy in Alzheimer's disease using MRI. <i>Brain</i> , 2005, 128, 2626-2644.	7.6	213
5	Subregional Basal Forebrain Atrophy in Alzheimer's Disease: A Multicenter Study. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 687-700.	2.6	173
6	Longitudinal measures of cholinergic forebrain atrophy in the transition from healthy aging to Alzheimer's disease. <i>Neurobiology of Aging</i> , 2013, 34, 1210-1220.	3.1	169
7	Probing the correlation of neuronal loss, neurofibrillary tangles, and cell death markers across the Alzheimer's disease Braak stages: a quantitative study in humans. <i>Neurobiology of Aging</i> , 2018, 61, 1-12.	3.1	89
8	Cognitive Correlates of Basal Forebrain Atrophy and Associated Cortical Hypometabolism in Mild Cognitive Impairment. <i>Cerebral Cortex</i> , 2016, 26, 2411-2426.	2.9	81
9	Basal forebrain atrophy and cortical amyloid deposition in nondemented elderly subjects. <i>Alzheimer's and Dementia</i> , 2014, 10, S344-53.	0.8	79
10	Profound degeneration of wake-promoting neurons in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019, 15, 1253-1263.	0.8	72
11	Argyrophilic Grain Disease: Demographics, Clinical, and Neuropathological Features From a Large Autopsy Study. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 628-635.	1.7	59
12	Proteome-wide characterization of signalling interactions in the hippocampal CA4/DG subfield of patients with Alzheimer's disease. <i>Scientific Reports</i> , 2015, 5, 11138.	3.3	54
13	Cholinergic Basal Forebrain Structure Influences the Reconfiguration of White Matter Connections to Support Residual Memory in Mild Cognitive Impairment. <i>Journal of Neuroscience</i> , 2015, 35, 739-747.	3.6	45
14	Selective Vulnerability of Brainstem Nuclei in Distinct Tauopathies: A Postmortem Study. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018, 77, 149-161.	1.7	42
15	Parallel Atrophy of Cortex and Basal Forebrain Cholinergic System in Mild Cognitive Impairment. <i>Cerebral Cortex</i> , 2017, 27, bhw019.	2.9	32
16	Oncostatic effects of fluoxetine in experimental colon cancer models. <i>Cellular Signalling</i> , 2015, 27, 1781-1788.	3.6	30
17	Neuron-Specific Alterations in Signal Transduction Pathways associated with Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 135-142.	2.6	29
18	High thickness histological sections as alternative to study the three-dimensional microscopic human sub-cortical neuroanatomy. <i>Brain Structure and Function</i> , 2018, 223, 1121-1132.	2.3	28

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19	Brain atrophy in primary progressive aphasia involves the cholinergic basal forebrain and Ayala's nucleus. <i>Psychiatry Research - Neuroimaging</i> , 2014, 221, 187-194.	1.8	25
20	The role of artificial intelligence and machine learning in harmonization of high-resolution post-mortem MRI (virtopsy) with respect to brain microstructure. <i>Brain Informatics</i> , 2019, 6, 3.	3.0	20
21	The Ansa Subthalamica: A Neglected Fiber Tract. <i>Movement Disorders</i> , 2020, 35, 75-80.	3.9	20
22	Subcortical Neuronal Correlates of Sleep in Neurodegenerative Diseases. <i>JAMA Neurology</i> , 2022, 79, 498.	9.0	20
23	A novel approach for integrative studies on neurodegenerative diseases in human brains. <i>Journal of Neuroscience Methods</i> , 2014, 226, 171-183.	2.5	17
24	Astrocyte- and Microglia-Specific Mitochondrial DNA Deletions Levels in Sporadic Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 149-157.	2.6	12
25	Operational framework and training standard requirements for AI-empowered robotic surgery. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2020, 16, 1-13.	2.3	11
26	Use of computational fluid dynamics for 3D fiber tract visualization on human high-thickness histological slices: histological mesh tractography. <i>Brain Structure and Function</i> , 2021, 226, 323-333.	2.3	7
27	In Vivo Volumetry of the Cholinergic Basal Forebrain. <i>Neuroinformatics</i> , 2018, , 213-232.	0.3	5
28	Is There Any Evidence of Monocytes Involvement in Alzheimer's Disease? A Pilot Study on Human Postmortem Brain. <i>Journal of Alzheimer's Disease Reports</i> , 2021, 5, 1-11.	2.2	5
29	Impaired neuronal maturation of hippocampal neural progenitor cells in mice lacking CRAF. <i>PLoS ONE</i> , 2018, 13, e0192067.	2.5	3