

Petra Hundehege

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

666
citations

623734

14
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1331
citing authors

#	ARTICLE	IF	CITATIONS
1	Sodium chloride promotes pro-inflammatory macrophage polarization thereby aggravating CNS autoimmunity. <i>Journal of Autoimmunity</i> , 2016, 67, 90-101.	6.5	136
2	Teriflunomide treatment for multiple sclerosis modulates T cell mitochondrial respiration with affinity-dependent effects. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	92
3	Distinct Neurodegenerative Changes in an Induced Pluripotent Stem Cell Model of Frontotemporal Dementia Linked to Mutant TAU Protein. <i>Stem Cell Reports</i> , 2015, 5, 83-96.	4.8	82
4	Differential phospholipase C α -dependent modulation of TASK and TREK two-pore domain K ⁺ channels in rat thalamocortical relay neurons. <i>Journal of Physiology</i> , 2015, 593, 127-144.	2.9	39
5	The TASK1 channel inhibitor A293 shows efficacy in a mouse model of multiple sclerosis. <i>Experimental Neurology</i> , 2012, 238, 149-155.	4.1	37
6	The role of two-pore-domain background K ⁺ (K2P) channels in the thalamus. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 895-905.	2.8	29
7	Identification of the muscarinic pathway underlying cessation of sleep-related burst activity in rat thalamocortical relay neurons. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 463, 89-102.	2.8	28
8	The next-generation sphingosine-1 receptor modulator BAF312 (siponimod) improves cortical network functionality in focal autoimmune encephalomyelitis. <i>Neural Regeneration Research</i> , 2019, 14, 1950.	3.0	28
9	The quality of cortical network function recovery depends on localization and degree of axonal demyelination. <i>Brain, Behavior, and Immunity</i> , 2017, 59, 103-117.	4.1	25
10	Identification of two-pore domain potassium channels as potent modulators of osmotic volume regulation in human T lymphocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 699-707.	2.6	23
11	The CNS under pathophysiologic attack—examining the role of K2P channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 959-972.	2.8	23
12	Targeting Voltage-Dependent Calcium Channels with Pregabalin Exerts a Direct Neuroprotective Effect in an Animal Model of Multiple Sclerosis. <i>NeuroSignals</i> , 2018, 26, 77-93.	0.9	22
13	Two pore domain potassium channels in cerebral ischemia: a focus on K2P9.1 (TASK3, KCNK9). <i>Experimental & Translational Stroke Medicine</i> , 2010, 2, 14.	3.2	19
14	14-3-3 Proteins regulate K _{2P} 5.1 surface expression on T lymphocytes. <i>Traffic</i> , 2017, 18, 29-43.	2.7	17
15	KCa channel blockers increase effectiveness of the EGF receptor TK inhibitor erlotinib in non-small cell lung cancer cells (A549). <i>Scientific Reports</i> , 2021, 11, 18330.	3.3	17
16	The two-pore domain K ₂ P channel TASK2 drives human NK cell proliferation and cytolytic function. <i>European Journal of Immunology</i> , 2015, 45, 2602-2614.	2.9	12
17	Myelination- and immune-mediated MR-based brain network correlates. <i>Journal of Neuroinflammation</i> , 2020, 17, 186.	7.2	12
18	Human T cells in silico: Modelling their electrophysiological behaviour in health and disease. <i>Journal of Theoretical Biology</i> , 2016, 404, 236-250.	1.7	9

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19	Human T cells in silico: Modelling dynamic intracellular calcium and its influence on cellular electrophysiology. <i>Journal of Immunological Methods</i> , 2018, 461, 78-84.	1.4	8
20	The K _{2P} channel TASK1 affects Oligodendroglial differentiation but not myelin restoration. <i>Glia</i> , 2019, 67, 870-883.	4.9	7
21	TASK, TREK & Co.: a mutable potassium channel family for diverse tasks in the brain. <i>E-Neuroforum</i> , 2015, 6, 29-37.	0.1	1