Petra Hundehege

List of Publications by Year
in descending order

21	666	623734 14	713466 21
papers	citations	h-index	g-index

21	21	21	1331
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	KCa channel blockers increase effectiveness of the EGF receptor TK inhibitor erlotinib in non-small cell lung cancer cells (A549). Scientific Reports, 2021, 11, 18330.	3.3	17
2	Myelination- and immune-mediated MR-based brain network correlates. Journal of Neuroinflammation, 2020, 17, 186.	7.2	12
3	Teriflunomide treatment for multiple sclerosis modulates T cell mitochondrial respiration with affinity-dependent effects. Science Translational Medicine, 2019, 11, .	12.4	92
4	The K_{2P}â€channel TASK1 affects Oligodendroglial differentiation but not myelin restoration. Glia, 2019, 67, 870-883.	4.9	7
5	The next-generation sphingosine-1 receptor modulator BAF312 (siponimod) improves cortical network functionality in focal autoimmune encephalomyelitis. Neural Regeneration Research, 2019, 14, 1950.	3.0	28
6	Targeting Voltage-Dependent Calcium Channels with Pregabalin Exerts a Direct Neuroprotective Effect in an Animal Model of Multiple Sclerosis. NeuroSignals, 2018, 26, 77-93.	0.9	22
7	Human T cells in silico: Modelling dynamic intracellular calcium and its influence on cellular electrophysiology. Journal of Immunological Methods, 2018, 461, 78-84.	1.4	8
8	14â€3â€3 Proteins regulate K_{2P}5.1 surface expression on T lymphocytes. Traffic, 2017, 18, 29-43.	2.7	17
9	The quality of cortical network function recovery depends on localization and degree of axonal demyelination. Brain, Behavior, and Immunity, 2017, 59, 103-117.	4.1	25
10	Human T cells in silico: Modelling their electrophysiological behaviour in health and disease. Journal of Theoretical Biology, 2016, 404, 236-250.	1.7	9
11	Sodium chloride promotes pro-inflammatory macrophage polarization thereby aggravating CNS autoimmunity. Journal of Autoimmunity, 2016, 67, 90-101.	6.5	136
12	The twoâ€pore domain K₂P channel TASK2 drives human NKâ€cell proliferation and cytolytic function. European Journal of Immunology, 2015, 45, 2602-2614.	2.9	12
13	Distinct Neurodegenerative Changes in an Induced Pluripotent Stem Cell Model of Frontotemporal Dementia Linked to Mutant TAU Protein. Stem Cell Reports, 2015, 5, 83-96.	4.8	82
14	The CNS under pathophysiologic attackâ€”examining the role of K2P channels. Pflugers Archiv European Journal of Physiology, 2015, 467, 959-972.	2.8	23
15	TASK, TREK & Co.: a mutable potassium channel family for diverse tasks in the brain. E-Neuroforum, 2015, 6, 29-37.	0.1	1
16	Differential phospholipase Câ€dependent modulation of TASK and TREK twoâ€pore domain K⁺ channels in rat thalamocortical relay neurons. Journal of Physiology, 2015, 593, 127-144.	2.9	39
17	The role of two-pore-domain background K+ (K2P) channels in the thalamus. Pflugers Archiv European Journal of Physiology, 2015, 467, 895-905.	2.8	29
18	Identification of two-pore domain potassium channels as potent modulators of osmotic volume regulation in human T lymphocytes. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 699-707.	2.6	23

#	Article	IF	Citations
19	The TASK1 channel inhibitor A293 shows efficacy in a mouse model of multiple sclerosis. Experimental Neurology, 2012, 238, 149-155.	4.1	37
20	Identification of the muscarinic pathway underlying cessation of sleep-related burst activity in rat thalamocortical relay neurons. Pflugers Archiv European Journal of Physiology, 2012, 463, 89-102.	2.8	28
21	Two pore domain potassium channels in cerebral ischemia: a focus on K2P9.1 (TASK3, KCNK9). Experimental & Translational Stroke Medicine, 2010, 2, 14.	3.2	19