

Thomas K Berger

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

735
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

867
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltage and pH difference across the membrane control the S4 voltage-sensor motion of the Hv1 proton channel. <i>Scientific Reports</i> , 2020, 10, 21293.	3.3	16
2	A family of hyperpolarization-activated channels selective for protons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13783-13791.	7.1	10
3	A novel cross-species inhibitor to study the function of CatSper Ca ²⁺ channels in sperm. <i>British Journal of Pharmacology</i> , 2018, 175, 3144-3161.	5.4	60
4	Photocontrol of the Hv1 Proton Channel. <i>ACS Chemical Biology</i> , 2017, 12, 2952-2957.	3.4	21
5	Post-translational cleavage of Hv1 in human sperm tunes pH- and voltage-dependent gating. <i>Journal of Physiology</i> , 2017, 595, 1533-1546.	2.9	48
6	A K ⁺ -selective CNG channel orchestrates Ca ²⁺ signalling in zebrafish sperm. <i>ELife</i> , 2015, 4, .	6.0	42
7	A specialized molecular motion opens the Hv1 voltage-gated proton channel. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 283-290.	8.2	48
8	The Pore of the Voltage-Gated Proton Channel. <i>Neuron</i> , 2011, 72, 991-1000.	8.1	63
9	Associative somatodendritic interaction in layer V pyramidal neurons is not affected by the antiepileptic drug lamotrigine. <i>European Journal of Neuroscience</i> , 2004, 20, 1688-1693.	2.6	12
10	Timing and Precision of Spike Initiation in Layer V Pyramidal Cells of the Rat Somatosensory Cortex. <i>Cerebral Cortex</i> , 2003, 13, 274-281.	2.9	33
11	Hyperpolarization-Activated Current I _h Disconnects Somatic and Dendritic Spike Initiation Zones in Layer V Pyramidal Neurons. <i>Journal of Neurophysiology</i> , 2003, 90, 2428-2437.	1.8	113
12	High I _h Channel Density in the Distal Apical Dendrite of Layer V Pyramidal Cells Increases Bidirectional Attenuation of EPSPs. <i>Journal of Neurophysiology</i> , 2001, 85, 855-868.	1.8	269