Michael G Leitner

List of Publications by Year
in descending order

30 papers	766 citations	643344 15 h-index	591227 27 g-index
31 all docs	31 docs citations	31 times ranked	1315 citing authors

#	Article	IF	Citations
1	Optimized Tuning of Auditory Inner Hair Cells to Encode Complex Sound through Synergistic Activity of Six Independent K+ Current Entities. Cell Reports, 2020, 32, 107869.	2.9	18
2	Chloride â€“ The Underrated Ion in Nociceptors. Frontiers in Neuroscience, 2020, 14, 287.	1.4	35
3	The N-terminal homology (ENTH) domain of Epsin 1 is a sensitive reporter of physiological PI(4,5)P2 dynamics. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 433-442.	1.2	7
4	Histidine at position 462 determines the low quinine sensitivity of etherâ€Ââ€goâ€go channel superfamily member K_v12.1. British Journal of Pharmacology, 2019, 176, 2708-2723.	2.7	2
5	Î²-Secretase BACE1 Is Required for Normal Cochlear Function. Journal of Neuroscience, 2019, 39, 9013-9027.	1.7	13
6	A choreography of intracellular Ca ²⁺ and extracellular ATP to refine auditory nociceptors before hearing. EMBO Journal, 2019, 38, .	3.5	0
7	K_v12.1 channels are not sensitive to G_qPCR-triggered activation of phospholipase CÎ². Channels, 2018, 12, 228-239.	1.5	2
8	Inverse Modulation of Neuronal Kv12.1 and Kv11.1 Channels by 4-Aminopyridine and NS1643. Frontiers in Molecular Neuroscience, 2018, 11, 11.	1.4	12
9	Identification of Chloride Channels CLCN3 and CLCN5 Mediating the Excitatory Clâ¯ Currents Activated by Sphingosine-1-Phosphate in Sensory Neurons. Frontiers in Molecular Neuroscience, 2018, 11, 33.	1.4	9
10	A126 in the active site and TI167/168 in the TI loop are essential determinants of the substrate specificity of PTEN. Cellular and Molecular Life Sciences, 2018, 75, 4235-4250.	2.4	7
11	Identification of Cav2â€“PKCÎ² and Cav2â€“NOS1 complexes as entities for ultrafast electrochemical coupling. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5707-5712.	3.3	4
12	The <scp>BEACH</scp> protein <scp>LRBA</scp> is required for hair bundle maintenance in cochlear hair cells and for hearing. EMBO Reports, 2017, 18, 2015-2029.	2.0	12
13	Anti-nociceptive action of peripheral mu-opioid receptors by G-beta-gamma protein-mediated inhibition of TRPM3 channels. ELife, 2017, 6, .	2.8	80
14	Direct modulation of TRPM4 and TRPM3 channels by the phospholipase C inhibitor U73122. British Journal of Pharmacology, 2016, 173, 2555-2569.	2.7	48
15	Ion channel regulation by phosphoinositides analyzed with VSPsâ€”PI(4,5)P2 affinity, phosphoinositide selectivity, and PI(4,5)P2 pool accessibility. Frontiers in Pharmacology, 2015, 6, 127.	1.6	27
16	A method to control phosphoinositides and to analyze PTEN function in living cells using voltage sensitive phosphatases. Frontiers in Pharmacology, 2015, 6, 68.	1.6	18
17	Phosphoinositide dynamics in the postsynaptic membrane compartment: Mechanisms and experimental approach. European Journal of Cell Biology, 2015, 94, 401-414.	1.6	11
18	Regulation of the transient receptor potential channel TRPM3 by phosphoinositides. Journal of General Physiology, 2015, 146, 51-63.	0.9	62

#	Article	IF	Citations
19	Discovery and functional characterization of a neomorphic PTEN mutation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13976-13981.	3.3	38
20	Sphingosine 1-Phosphate to p38 Signaling via S1P₁ Receptor and Gî±i/o Evokes Augmentation of Capsaicin-Induced Ionic Currents in Mouse Sensory Neurons. Molecular Pain, 2014, 10, 1744-8069-10-74.	1.0	19
21	Diacylglycerol mediates regulation of TASK potassium channels by Gq-coupled receptors. Nature Communications, 2014, 5, 5540.	5.8	75
22	In Vitro Toxicology Systems. Methods in Pharmacology and Toxicology, 2014, , .	0.1	8
23	Zebrafish in auditory research: are fish better than mice?. Journal of Physiology, 2014, 592, 4611-4612.	1.3	4
24	In Vitro Models for Ototoxic Research. Methods in Pharmacology and Toxicology, 2014, , 199-222.	0.1	1
25	A human phospholipid phosphatase activated by a transmembrane control module. Journal of Lipid Research, 2012, 53, 2266-2274.	2.0	22
26	Restoration of ion channel function in deafnessâ€causing KCNQ4 mutants by synthetic channel openers. British Journal of Pharmacology, 2012, 165, 2244-2259.	2.7	36
27	Probing the regulation of TASK potassium channels by PI(4,5)P₂ with switchable phosphoinositide phosphatases. Journal of Physiology, 2011, 589, 3149-3162.	1.3	42
28	Aminoglycosides Inhibit KCNQ4 Channels in Cochlear Outer Hair Cells via Depletion of Phosphatidylinositol(4,5)bisphosphate. Molecular Pharmacology, 2011, 79, 51-60.	1.0	54
29	Controlling the Activity of a Phosphatase and Tensin Homolog (PTEN) by Membrane Potential. Journal of Biological Chemistry, 2011, 286, 17945-17953.	1.6	38
30	Genetic Evidence for Involvement of Neuronally Expressed S1P1 Receptor in Nociceptor Sensitization and Inflammatory Pain. PLoS ONE, 2011, 6, e17268.	1.1	61