Michael G Leitner

List of Publications by Citations

29 papers	576 citations	14 h-index	23 g-index
31 ext. papers	695 ext. citations	6.5 avg, IF	3.57 L-index

#	Paper	IF	Citations
29	Anti-nociceptive action of peripheral mu-opioid receptors by G-beta-gamma protein-mediated inhibition of TRPM3 channels. *ELife*, **2017**, 6,	8.9	57
28	Diacylglycerol mediates regulation of TASK potassium channels by Gq-coupled receptors. *Nature Communications*, **2014**, 5, 5540	17.4	54
27	Genetic evidence for involvement of neuronally expressed S1P receptor in nociceptor sensitization and inflammatory pain. *PLoS ONE*, **2011**, 6, e17268	3.7	54
26	Regulation of the transient receptor potential channel TRPM3 by phosphoinositides. *Journal of General Physiology*, **2015**, 146, 51-63	3.4	41
25	Probing the regulation of TASK potassium channels by PI4,5P with switchable phosphoinositide phosphatases. *Journal of Physiology*, **2011**, 589, 3149-62	3.9	40
24	Aminoglycosides inhibit KCNQ4 channels in cochlear outer hair cells via depletion of phosphatidylinositol(4,5)bisphosphate. *Molecular Pharmacology*, **2011**, 79, 51-60	4.3	40
23	Direct modulation of TRPM4 and TRPM3 channels by the phospholipase C inhibitor U73122. *British Journal of Pharmacology*, **2016**, 173, 2555-69	8.6	37
22	Controlling the activity of a phosphatase and tensin homolog (PTEN) by membrane potential. *Journal of Biological Chemistry*, **2011**, 286, 17945-53	5.4	34
21	Discovery and functional characterization of a neomorphic PTEN mutation. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 13976-81	11.5	31
20	Restoration of ion channel function in deafness-causing KCNQ4 mutants by synthetic channel openers. *British Journal of Pharmacology*, **2012**, 165, 2244-59	8.6	30
19	Chloride - The Underrated Ion in Nociceptors. *Frontiers in Neuroscience*, **2020**, 14, 287	5.1	22
18	Ion channel regulation by phosphoinositides analyzed with VSPs-PI(4,5)P2 affinity, phosphoinositide selectivity, and PI(4,5)P2 pool accessibility. *Frontiers in Pharmacology*, **2015**, 6, 127	5.6	20
17	A human phospholipid phosphatase activated by a transmembrane control module. *Journal of Lipid Research*, **2012**, 53, 2266-74	6.3	17
16	Sphingosine 1-phosphate to p38 signaling via S1P1 receptor and Gi/o evokes augmentation of capsaicin-induced ionic currents in mouse sensory neurons. *Molecular Pain*, **2014**, 10, 74	3.4	14
15	A method to control phosphoinositides and to analyze PTEN function in living cells using voltage sensitive phosphatases. *Frontiers in Pharmacology*, **2015**, 6, 68	5.6	12
14	Phosphoinositide dynamics in the postsynaptic membrane compartment: Mechanisms and experimental approach. *European Journal of Cell Biology*, **2015**, 94, 401-14	6.1	10
13	Inverse Modulation of Neuronal K12.1 and K11.1 Channels by 4-Aminopyridine and NS1643. *Frontiers in Molecular Neuroscience*, **2018**, 11, 11	6.1	8

List of Publications

12	The BEACH protein LRBA is required for hair bundle maintenance in cochlear hair cells and for hearing. *EMBO Reports*, **2017**, 18, 2015-2029	6.5	8
11	In Vitro Toxicology Systems. *Methods in Pharmacology and Toxicology*, **2014**,	1.1	8
10	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	10.6	8
9	Secretase BACE1 Is Required for Normal Cochlear Function. *Journal of Neuroscience*, **2019**, 39, 9013-9027	6.6	7
8	Identification of Chloride Channels CLCN3 and CLCN5 Mediating the Excitatory Cl Currents Activated by Sphingosine-1-Phosphate in Sensory Neurons. *Frontiers in Molecular Neuroscience*, **2018**, 11, 33	6.1	7
7	Identification of Cav2-PKC and Cav2-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	11.5	3
6	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	10.3	3
5	Zebrafish in auditory research: are fish better than mice?. *Journal of Physiology*, **2014**, 592, 4611-2	3.9	3
4	The N-terminal homology (ENTH) domain of Epsin 1 is a sensitive reporter of physiological PI(4,5)P dynamics. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2019**, 1864, 433-442	5	2
3	Histidine at position 462 determines the low quinine sensitivity of ether- go-go channel superfamily member K 12.1. *British Journal of Pharmacology*, **2019**, 176, 2708-2723	8.6	2
2	K12.1 channels are not sensitive to GPCR-triggered activation of phospholipase C *Channels*, **2018**, 12, 228-239	3	2
1	In Vitro Models for Ototoxic Research. *Methods in Pharmacology and Toxicology*, **2014**, 199-222	1.1	1