Miao Zhang

List of Publications by Year
in descending order

17 papers	659 citations	840776 11 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	944 citing authors

#	Article	IF	Citations
1	Channelopathy of small- and intermediate-conductance Ca2+-activated K+ channels. Acta Pharmacologica Sinica, 2023, 44, 259-267.	6.1	8
2	Channelopathy-causing mutations in the S45A/S45B and HA/HB helices of KCa2.3 and KCa3.1 channels alter their apparent Ca2+ sensitivity. Cell Calcium, 2022, 102, 102538.	2.4	7
3	Structureâ€“Activity Relationship Study of Subtype-Selective Positive Modulators of K_{Ca}2 Channels. Journal of Medicinal Chemistry, 2022, 65, 303-322.	6.4	9
4	Hydrophobic interactions between the HA helix and S4â€“S5 linker modulate apparent Ca²⁺ sensitivity of SK2 channels. Acta Physiologica, 2021, 231, e13552.	3.8	13
5	Differential modulation of SK channel subtypes by phosphorylation. Cell Calcium, 2021, 94, 102346.	2.4	8
6	Subtypeâ€selective positive modulation of K Ca 2 channels depends on the HA/HB helices. British Journal of Pharmacology, 2021, , .	5.4	9
7	A V-to-F substitution in SK2 channels causes Ca2+ hypersensitivity and improves locomotion in a C. elegans ALS model. Scientific Reports, 2018, 8, 10749.	3.3	13
8	Structural insights into the potency of SK channel positive modulators. Scientific Reports, 2017, 7, 17178.	3.3	22
9	Molecular overlap in the regulation of SK channels by small molecules and phosphoinositides. Science Advances, 2015, 1, e1500008.	10.3	11
10	Phosphoinositide Control of Membrane Protein Function: A Frontier Led by Studies on Ion Channels. Annual Review of Physiology, 2015, 77, 81-104.	13.1	84
11	Targeting the Small- and Intermediate-Conductance Ca²⁺-Activated Potassium Channels: The Drug-Binding Pocket at the Channel/Calmodulin Interface. NeuroSignals, 2014, 22, 65-78.	0.9	18
12	Selective phosphorylation modulates the PIP2 sensitivity of the CaMâ€“SK channel complex. Nature Chemical Biology, 2014, 10, 753-759.	8.0	59
13	Unstructured to structured transition of an intrinsically disordered protein peptide in coupling Ca ²⁺ -sensing and SK channel activation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4828-4833.	7.1	58
14	Identification of the functional binding pocket for compounds targeting small-conductance Ca2+-activated potassium channels. Nature Communications, 2012, 3, 1021.	12.8	62
15	Structural Basis for Calmodulin as a Dynamic Calcium Sensor. Structure, 2012, 20, 911-923.	3.3	106
16	TRIC channels are essential for Ca2+ handling in intracellular stores. Nature, 2007, 448, 78-82.	27.8	149
17	Calumin, a novel Ca2+-binding transmembrane protein on the endoplasmic reticulum. Cell Calcium, 2007, 42, 83-90.	2.4	23