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	TRIC channels are essential for Ca2+ handling in intracellular stores. Nature, 2007, 448, 78-82.	27.8	149
2	Structural Basis for Calmodulin as a Dynamic Calcium Sensor. Structure, 2012, 20, 911-923.	3.3	106
3	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
4	Identification of the functional binding pocket for compounds targeting small-conductance Ca2+-activated potassium channels. Nature Communications, 2012, 3, 1021.	12.8	62
5	Selective phosphorylation modulates the PIP2 sensitivity of the CaMâ€“SK channel complex. Nature Chemical Biology, 2014, 10, 753-759.	8.0	59
6	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
7	Calumin, a novel Ca2+-binding transmembrane protein on the endoplasmic reticulum. Cell Calcium, 2007, 42, 83-90.	2.4	23
8	Structural insights into the potency of SK channel positive modulators. Scientific Reports, 2017, 7, 17178.	3.3	22
9	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
10	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
11	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
12	Molecular overlap in the regulation of SK channels by small molecules and phosphoinositides. Science Advances, 2015, 1, e1500008.	10.3	11
13	Subtypeâ€selective positive modulation of K Ca 2 channels depends on the HA/HB helices. British Journal of Pharmacology, 2021, , .	5.4	9
14	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
15	Differential modulation of SK channel subtypes by phosphorylation. Cell Calcium, 2021, 94, 102346.	2.4	8
16	Channelopathy of small- and intermediate-conductance Ca2+-activated K+ channels. Acta Pharmacologica Sinica, 2023, 44, 259-267.	6.1	8
17	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