Katja Witschas

List of Publications by Year
in descending order

16 papers	231 citations	1040056 9 h-index	1281871 11 g-index
16 all docs	16 docs citations	16 times ranked	360 citing authors

#	Article	IF	Citations
1	RyR2 regulates Cx43 hemichannel intracellular Ca2+-dependent activation in cardiomyocytes. Cardiovascular Research, 2021, 117, 123-136.	3.8	31
2	Cx43 hemichannel microdomain signaling at the intercalated disc enhances cardiac excitability. Journal of Clinical Investigation, 2021, 131, .	8.2	54
3	Gap19, a Cx43 Hemichannel Inhibitor, Acts as a Gating Modifier That Decreases Main State Opening While Increasing Substate Gating. International Journal of Molecular Sciences, 2020, 21, 7340.	4.1	8
4	Cooperative Gating Among Ion-Channel Species in Junctional Sarcoplasmic Reticulum. Biophysical Journal, 2019, 116, 521a.	0.5	0
5	Enhanced activity of multiple TRICâ€B channels: an endoplasmic reticulum/sarcoplasmic reticulum mechanism to boost counterion currents. Journal of Physiology, 2019, 597, 2691-2705.	2.9	10
6	Simvastatin activates single skeletal RyR1 channels but exerts more complex regulation of the cardiac RyR2 isoform. British Journal of Pharmacology, 2018, 175, 938-952.	5.4	16
7	Dampened activity of ryanodine receptor channels in mutant skeletal muscle lacking TRICâ€A. Journal of Physiology, 2017, 595, 4769-4784.	2.9	15
8	Simvastatin Activates Single Skeletal RyR1 Channels but Exerts More Complex Regulation of the Cardiac Isoform, RyR2. Biophysical Journal, 2016, 110, 266a.	0.5	0
9	Dampened Activity of Single Ryanodine Receptor Channels in Mice Devoid of TRIC-A. Biophysical Journal, 2016, 110, 266a.	0.5	0
10	Simvastatin has Profound Effects on Sarcoplasmic Reticulum Ca2+ Leak in Skeletal but not Cardiac Muscle: A Mechanism for Myopathy. Biophysical Journal, 2016, 110, 266a.	0.5	0
11	Interaction of a peptide derived from C-terminus of human TRPA1 channel with model membranes mimicking the inner leaflet of the plasma membrane. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1147-1156.	2.6	9
12	Structural modeling and patch-clamp analysis of pain-related mutation TRPA1-N855S reveal inter-subunit salt bridges stabilizing the channel open state. Neuropharmacology, 2015, 93, 294-307.	4.1	20
13	S4-S5 Linker is Involved in Voltage-Dependent Gating of Human Transient Receptor Potential Ankyrin 1 Channel. Biophysical Journal, 2013, 104, 453a-454a.	0.5	0
14	Comparing ion conductance recordings of synthetic lipid bilayers with cell membranes containing TRP channels. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1123-1134.	2.6	34
15	Contribution of the S5-Pore-S6 Domain to the Gating Characteristics of the Cation Channels TRPM2 and TRPM8. Journal of Biological Chemistry, 2010, 285, 26806-26814.	3.4	14
16	A critical GxxxA motif in the Î³₆ calcium channel subunit mediates its inhibitory effect on Cav3.1 calcium current. Journal of Physiology, 2008, 586, 5349-5366.	2.9	20