

Katja Witschas

List of Publications by Year in descending order

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16
papers

231
citations

1040056

9
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1281871

11
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16
all docs

16
docs citations

16
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	Cx43 hemichannel microdomain signaling at the intercalated disc enhances cardiac excitability. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	54
2	Comparing ion conductance recordings of synthetic lipid bilayers with cell membranes containing TRP channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1123-1134.	2.6	34
3	RyR2 regulates Cx43 hemichannel intracellular Ca ²⁺ -dependent activation in cardiomyocytes. <i>Cardiovascular Research</i> , 2021, 117, 123-136.	3.8	31
4	A critical GxxxA motif in the Î³ ₆ calcium channel subunit mediates its inhibitory effect on Cav3.1 calcium current. <i>Journal of Physiology</i> , 2008, 586, 5349-5366.	2.9	20
5	Structural modeling and patch-clamp analysis of pain-related mutation TRPA1-N855S reveal inter-subunit salt bridges stabilizing the channel open state. <i>Neuropharmacology</i> , 2015, 93, 294-307.	4.1	20
6	Simvastatin activates single skeletal RyR1 channels but exerts more complex regulation of the cardiac RyR2 isoform. <i>British Journal of Pharmacology</i> , 2018, 175, 938-952.	5.4	16
7	Dampened activity of ryanodine receptor channels in mutant skeletal muscle lacking TRIC-A. <i>Journal of Physiology</i> , 2017, 595, 4769-4784.	2.9	15
8	Contribution of the S5-Pore-S6 Domain to the Gating Characteristics of the Cation Channels TRPM2 and TRPM8. <i>Journal of Biological Chemistry</i> , 2010, 285, 26806-26814.	3.4	14
9	Enhanced activity of multiple TRIC-B channels: an endoplasmic reticulum/sarcoplasmic reticulum mechanism to boost counterion currents. <i>Journal of Physiology</i> , 2019, 597, 2691-2705.	2.9	10
10	Interaction of a peptide derived from C-terminus of human TRPA1 channel with model membranes mimicking the inner leaflet of the plasma membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1147-1156.	2.6	9
11	Gap19, a Cx43 Hemichannel Inhibitor, Acts as a Gating Modifier That Decreases Main State Opening While Increasing Substate Gating. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7340.	4.1	8
12	S4-S5 Linker is Involved in Voltage-Dependent Gating of Human Transient Receptor Potential Ankyrin 1 Channel. <i>Biophysical Journal</i> , 2013, 104, 453a-454a.	0.5	0
13	Simvastatin Activates Single Skeletal RyR1 Channels but Exerts More Complex Regulation of the Cardiac Isoform, RyR2. <i>Biophysical Journal</i> , 2016, 110, 266a.	0.5	0
14	Dampened Activity of Single Ryanodine Receptor Channels in Mice Devoid of TRIC-A. <i>Biophysical Journal</i> , 2016, 110, 266a.	0.5	0
15	Simvastatin has Profound Effects on Sarcoplasmic Reticulum Ca ²⁺ Leak in Skeletal but not Cardiac Muscle: A Mechanism for Myopathy. <i>Biophysical Journal</i> , 2016, 110, 266a.	0.5	0
16	Cooperative Gating Among Ion-Channel Species in Junctional Sarcoplasmic Reticulum. <i>Biophysical Journal</i> , 2019, 116, 521a.	0.5	0