

Nirakar Sahoo

List of Publications by Year in descending order

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29
papers

961
citations

471509

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526287

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29
all docs

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docs citations

29
times ranked

1537
citing authors

#	ARTICLE	IF	CITATIONS
1	The intracellular Ca ²⁺ channel MCOLN1 is required for sarcolemma repair to prevent muscular dystrophy. <i>Nature Medicine</i> , 2014, 20, 1187-1192.	30.7	101
2	Rapamycin directly activates lysosomal mucolipin TRP channels independent of mTOR. <i>PLoS Biology</i> , 2019, 17, e3000252.	5.6	70
3	A voltage-dependent K ⁺ channel in the lysosome is required for refilling lysosomal Ca ²⁺ stores. <i>Journal of Cell Biology</i> , 2017, 216, 1715-1730.	5.2	69
4	Analysis of Fe(III) Heme Binding to Cysteine-Containing Heme-Regulatory Motifs in Proteins. <i>ACS Chemical Biology</i> , 2013, 8, 1785-1793.	3.4	65
5	Oxidative Modulation of Voltage-Gated Potassium Channels. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 933-952.	5.4	60
6	Genetic and Functional Diversity among Fluorescent Pseudomonads Isolated from the Rhizosphere of Banana. <i>Microbial Ecology</i> , 2008, 56, 492-504.	2.8	57
7	Structural, Biochemical, and Functional Characterization of the Cyclic Nucleotide Binding Homology Domain from the Mouse EAG1 Potassium Channel. <i>Journal of Molecular Biology</i> , 2012, 423, 34-46.	4.2	52
8	Determination of Hemin Binding Characteristics of Proteins by a Combinatorial Peptide Library Approach. <i>ChemBioChem</i> , 2011, 12, 2846-2855.	2.6	48
9	Heme impairs the ball-and-chain inactivation of potassium channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4036-E4044.	7.1	44
10	Gastric Acid Secretion from Parietal Cells Is Mediated by a Ca ²⁺ Efflux Channel in the Tubulovesicle. <i>Developmental Cell</i> , 2017, 41, 262-273.e6.	7.0	42
11	CO-independent modification of K ⁺ channels by tricarbonyldichlororuthenium(II) dimer (CORM-2). <i>European Journal of Pharmacology</i> , 2017, 815, 33-41.	3.5	42
12	Cysteine 723 in the C-linker segment confers oxidative inhibition of hERG1 potassium channels. <i>Journal of Physiology</i> , 2010, 588, 2999-3009.	2.9	40
13	Antimicrobial Peptides and their Pore/Ion Channel Properties in Neutralization of Pathogenic Microbes. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 46-53.	2.1	39
14	LRRRC8 family proteins within lysosomes regulate cellular osmoregulation and enhance cell survival to multiple physiological stresses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29155-29165.	7.1	36
15	Kcnh1 Voltage-gated Potassium Channels Are Essential for Early Zebrafish Development*. <i>Journal of Biological Chemistry</i> , 2012, 287, 35565-35575.	3.4	35
16	Small-molecule activation of lysosomal TRP channels ameliorates Duchenne muscular dystrophy in mouse models. <i>Science Advances</i> , 2020, 6, eaaz2736.	10.3	31
17	Gastrin Induces Nuclear Export and Proteasome Degradation of Menin in Enteric Glial Cells. <i>Gastroenterology</i> , 2017, 153, 1555-1567.e15.	1.3	28
18	Comparison of Synthetic Neuronal Model Membrane Mimics in Amyloid Aggregation at Atomic Resolution. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1965-1977.	3.5	18

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19	Current inhibition of human EAG1 potassium channels by the Ca ²⁺ binding protein S100B. FEBS Letters, 2010, 584, 3896-3900.	2.8	15
20	Tobacco Hornworm (<i>Manduca sexta</i>) Oral Secretion Elicits Reactive Oxygen Species in Isolated Tomato Protoplasts. International Journal of Molecular Sciences, 2020, 21, 8297.	4.1	13
21	Cysteines control the N- and C-linker-dependent gating of KCNH1 potassium channels. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1187-1195.	2.6	12
22	Isolation of Enteric Glial Cells from the Submucosa and Lamina Propria of the Adult Mouse. Journal of Visualized Experiments, 2018, , .	0.3	11
23	Deciphering the Role of Ion Channels in Early Defense Signaling against Herbivorous Insects. Cells, 2021, 10, 2219.	4.1	9
24	Impact of intracellular hemin on N-type inactivation of voltage-gated K ⁺ channels. Pflugers Archiv European Journal of Physiology, 2020, 472, 551-560.	2.8	7
25	A Sugarcane G-Protein-Coupled Receptor, ShGPCR1, Confers Tolerance to Multiple Abiotic Stresses. Frontiers in Plant Science, 2021, 12, 745891.	3.6	7
26	Deciphering the key residues in <i>Plasmodium falciparum</i> ketoacyl acyl carrier protein reductase responsible for interactions with <i>Plasmodium falciparum</i> acyl carrier protein. FEBS Journal, 2008, 275, 4756-4766.	4.7	5
27	Ca ²⁺ /calmodulin regulates Kv1 ^{2.1} -mediated inactivation of voltage-gated K ⁺ channels. Scientific Reports, 2015, 5, 15509.	3.3	5
28	Functional KCNH1 Potassium Channels in Danio Rerio are Essential for Early Development. Biophysical Journal, 2010, 98, 118a.	0.5	0
29	Ether μ go-go Potassium Channels KCNH1 and KCNH5 Have Four Functional Orthologs in Danio Rerio. Biophysical Journal, 2010, 98, 122a.	0.5	0