

Juliusz Kozak

List of Publications by Year in descending order

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20
papers

3,036
citations

566801

15
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

2806
citing authors

#	ARTICLE	IF	CITATIONS
1	STIM1, an essential and conserved component of store-operated Ca ²⁺ channel function. <i>Journal of Cell Biology</i> , 2005, 169, 435-445.	2.3	1,638
2	Orai1 and STIM1 move to the immunological synapse and are up-regulated during T cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2011-2016.	3.3	231
3	Distinct Properties of CRAC and MIC Channels in RBL Cells. <i>Journal of General Physiology</i> , 2002, 120, 221-235.	0.9	171
4	Channel Function Is Dissociated from the Intrinsic Kinase Activity and Autophosphorylation of TRPM7/ChaK1. <i>Journal of Biological Chemistry</i> , 2005, 280, 20793-20803.	1.6	168
5	Store-dependent and -independent Modes Regulating Ca ²⁺ Release-activated Ca ²⁺ Channel Activity of Human Orai1 and Orai3. <i>Journal of Biological Chemistry</i> , 2008, 283, 17662-17671.	1.6	167
6	Charge Screening by Internal pH and Polyvalent Cations as a Mechanism for Activation, Inhibition, and Rundown of TRPM7/MIC Channels. <i>Journal of General Physiology</i> , 2005, 126, 499-514.	0.9	117
7	MIC Channels Are Inhibited by Internal Divalent Cations but Not ATP. <i>Biophysical Journal</i> , 2003, 84, 922-927.	0.2	115
8	Polyvalent Cations as Permeant Probes of MIC and TRPM7 Pores. <i>Biophysical Journal</i> , 2003, 84, 2293-2305.	0.2	105
9	2-Aminoethyl diphenyl borinate (2-APB) inhibits TRPM7 channels through an intracellular acidification mechanism. <i>Channels</i> , 2012, 6, 362-369.	1.5	75
10	Inactivation of TRPM7 kinase activity does not impair its channel function in mice. <i>Scientific Reports</i> , 2014, 4, 5718.	1.6	59
11	Detailed examination of Mg ²⁺ and pH sensitivity of human TRPM7 channels. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 302, C1004-C1011.	2.1	51
12	Inactivation of TRPM7 kinase in mice results in enlarged spleens, reduced T-cell proliferation and diminished store-operated calcium entry. <i>Scientific Reports</i> , 2018, 8, 3023.	1.6	40
13	Sensitivity of TRPM7 channels to Mg ²⁺ characterized in cell-free patches of Jurkat T lymphocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 302, C1642-C1651.	2.1	30
14	The neuronal K ⁺ Cl ⁻ co-transporter 2 (Slc12a5) modulates insulin secretion. <i>Scientific Reports</i> , 2017, 7, 1732.	1.6	27
15	Depletion of plasma membrane-associated phosphoinositides mimics inhibition of TRPM7 channels by cytosolic Mg ²⁺ , spermine, and pH. <i>Journal of Biological Chemistry</i> , 2018, 293, 18151-18167.	1.6	18
16	Rapid Quantification of Mitogen-induced Blastogenesis in T Lymphocytes for Identifying Immunomodulatory Drugs. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	6
17	Phagocytic activity of splenic macrophages is enhanced and accompanied by cytosolic alkalinization in TRPM7 kinase-dead mice. <i>FEBS Journal</i> , 2021, 288, 3585-3601.	2.2	6
18	NSAIDs Naproxen, Ibuprofen, Salicylate, and Aspirin Inhibit TRPM7 Channels by Cytosolic Acidification. <i>Frontiers in Physiology</i> , 2021, 12, 727549.	1.3	6

#	ARTICLE	IF	CITATIONS
19	TRPM7 channel activity in Jurkat T lymphocytes during magnesium depletion and loading: implications for divalent metal entry and cytotoxicity. Pflugers Archiv European Journal of Physiology, 2020, 472, 1589-1606.	1.3	5
20	Mitogenic Activation and Proliferation of T Lymphocytes in TRPM7 Kinase-Dead Mutant Mice. Biophysical Journal, 2016, 110, 605a.	0.2	1