

Ralf Fliegert

List of Publications by Year in descending order

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18
papers

564
citations

759233

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839539

18
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docs citations

18
times ranked

867
citing authors

#	ARTICLE	IF	CITATIONS
1	A structural overview of the ion channels of the TRPM family. <i>Cell Calcium</i> , 2020, 85, 102111.	2.4	126
2	Frontrunners of T cell activation: Initial, localized Ca ²⁺ signals mediated by NAADP and the type 1 ryanodine receptor. <i>Science Signaling</i> , 2015, 8, ra102.	3.6	68
3	CD73-mediated adenosine production by CD8 T cell-derived extracellular vesicles constitutes an intrinsic mechanism of immune suppression. <i>Nature Communications</i> , 2021, 12, 5911.	12.8	66
4	HN1L/JPT2: A signaling protein that connects NAADP generation to Ca ²⁺ microdomain formation. <i>Science Signaling</i> , 2021, 14, .	3.6	60
5	Nanobodies effectively modulate the enzymatic activity of CD38 and allow specific imaging of CD38+ tumors in mouse models in vivo. <i>Scientific Reports</i> , 2017, 7, 14289.	3.3	55
6	Modulation of Ca ²⁺ entry and plasma membrane potential by human TRPM4b. <i>FEBS Journal</i> , 2007, 274, 704-713.	4.7	31
7	Ligand-induced activation of human TRPM2 requires the terminal ribose of ADPR and involves Arg1433 and Tyr1349. <i>Biochemical Journal</i> , 2017, 474, 2159-2175.	3.7	31
8	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) Degradation by Alkaline Phosphatase. <i>Journal of Biological Chemistry</i> , 2012, 287, 32525-32534.	3.4	29
9	Adenine nucleotides as paracrine mediators and intracellular second messengers in immunity and inflammation. <i>Biochemical Society Transactions</i> , 2019, 47, 329-337.	3.4	17
10	Synthesis of Terminal Ribose Analogues of Adenosine 5'-Diphosphate Ribose as Probes for the Transient Receptor Potential Cation Channel TRPM2. <i>Journal of Organic Chemistry</i> , 2019, 84, 6143-6157.	3.2	14
11	Does Cyclic ADP-Ribose (cADPR) Activate the Non-selective Cation Channel TRPM2?. <i>Frontiers in Immunology</i> , 2020, 11, 2018.	4.8	14
12	Daratumumab and Nanobody-Based Heavy Chain Antibodies Inhibit the ADPR Cyclase but not the NAD ⁺ Hydrolase Activity of CD38-Expressing Multiple Myeloma Cells. <i>Cancers</i> , 2021, 13, 76.	3.7	14
13	P2X7-mediated ATP secretion is accompanied by depletion of cytosolic ATP. <i>Purinergic Signalling</i> , 2019, 15, 155-166.	2.2	13
14	TRPM2 activation: Paradigm shifted?. <i>Cell Calcium</i> , 2018, 76, 132-134.	2.4	9
15	Synthesis of phosphonoacetate analogues of the second messenger adenosine 5'-diphosphate ribose (ADPR). <i>RSC Advances</i> , 2020, 10, 1776-1785.	3.6	6
16	Mouse CD38-Specific Heavy Chain Antibodies Inhibit CD38 GDP-Cyclase Activity and Mediate Cytotoxicity Against Tumor Cells. <i>Frontiers in Immunology</i> , 2021, 12, 703574.	4.8	5
17	NAD binding by human CD38 analyzed by Trp189 fluorescence. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1189-1196.	4.1	4
18	The crystal structure of TRPM2 MHR1/2 domain reveals a conserved Zn ²⁺ -binding domain essential for structural integrity and channel activity. <i>Protein Science</i> , 2022, 31, .	7.6	2