

Ralf Fliegert

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

564
citations

759233

12
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

867
citing authors

#	ARTICLE	IF	CITATIONS
1	The crystal structure of <scp>TRPM2 MHR1</scp>/2 domain reveals a conserved Zn²⁺-binding domain essential for structural integrity and channel activity. Protein Science, 2022, 31, .	7.6	2
2	HN1L/JPT2: A signaling protein that connects NAADP generation to Ca ²⁺ microdomain formation. Science Signaling, 2021, 14, .	3.6	60
3	Mouse CD38-Specific Heavy Chain Antibodies Inhibit CD38 GDPR-Cyclase Activity and Mediate Cytotoxicity Against Tumor Cells. Frontiers in Immunology, 2021, 12, 703574.	4.8	5
4	Daratumumab and Nanobody-Based Heavy Chain Antibodies Inhibit the ADPR Cyclase but not the NAD+ Hydrolase Activity of CD38-Expressing Multiple Myeloma Cells. Cancers, 2021, 13, 76.	3.7	14
5	CD73-mediated adenosine production by CD8 T cell-derived extracellular vesicles constitutes an intrinsic mechanism of immune suppression. Nature Communications, 2021, 12, 5911.	12.8	66
6	A structural overview of the ion channels of the TRPM family. Cell Calcium, 2020, 85, 102111.	2.4	126
7	Does Cyclic ADP-Ribose (cADPR) Activate the Non-selective Cation Channel TRPM2?. Frontiers in Immunology, 2020, 11, 2018.	4.8	14
8	Synthesis of phosphonoacetate analogues of the second messenger adenosine 5â€²-diphosphate ribose (ADPR). RSC Advances, 2020, 10, 1776-1785.	3.6	6
9	Adenine nucleotides as paracrine mediators and intracellular second messengers in immunity and inflammation. Biochemical Society Transactions, 2019, 47, 329-337.	3.4	17
10	P2X7-mediated ATP secretion is accompanied by depletion of cytosolic ATP. Purinergic Signalling, 2019, 15, 155-166.	2.2	13
11	Synthesis of Terminal Ribose Analogues of Adenosine 5â€²-Diphosphate Ribose as Probes for the Transient Receptor Potential Cation Channel TRPM2. Journal of Organic Chemistry, 2019, 84, 6143-6157.	3.2	14
12	NAD binding by human CD38 analyzed by Trp189 fluorescence. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1189-1196.	4.1	4
13	TRPM2 activation: Paradigm shifted?. Cell Calcium, 2018, 76, 132-134.	2.4	9
14	Ligand-induced activation of human TRPM2 requires the terminal ribose of ADPR and involves Arg1433 and Tyr1349. Biochemical Journal, 2017, 474, 2159-2175.	3.7	31
15	Nanobodies effectively modulate the enzymatic activity of CD38 and allow specific imaging of CD38+ tumors in mouse models in vivo. Scientific Reports, 2017, 7, 14289.	3.3	55
16	Frontrunners of T cell activation: Initial, localized Ca ²⁺ signals mediated by NAADP and the type 1 ryanodine receptor. Science Signaling, 2015, 8, ra102.	3.6	68
17	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) Degradation by Alkaline Phosphatase. Journal of Biological Chemistry, 2012, 287, 32525-32534.	3.4	29
18	Modulation of Ca ²⁺ entry and plasma membrane potential by human TRPM4b. FEBS Journal, 2007, 274, 704-713.	4.7	31