

Marco Lolicato

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,085
citations

567281

15
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

1769
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryo-EM structures of the TMEM16A calcium-activated chloride channel. <i>Nature</i> , 2017, 552, 426-429.	27.8	274
2	K2P2.1 (TREK-1) activator complexes reveal a cryptic selectivity filter binding site. <i>Nature</i> , 2017, 547, 364-368.	27.8	153
3	Transmembrane Helix Straightening and Buckling Underlies Activation of Mechanosensitive and Thermosensitive K2P Channels. <i>Neuron</i> , 2014, 84, 1198-1212.	8.1	109
4	Tetramerization Dynamics of C-terminal Domain Underlies Isoform-specific cAMP Gating in Hyperpolarization-activated Cyclic Nucleotide-gated Channels. <i>Journal of Biological Chemistry</i> , 2011, 286, 44811-44820.	3.4	101
5	The immunosuppressive drug azathioprine inhibits biosynthesis of the bacterial signal molecule cyclic-di-GMP by interfering with intracellular nucleotide pool availability. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 7325-7336.	3.6	72
6	Designed peptides that assemble into cross- β amyloid-like structures. <i>Nature Chemical Biology</i> , 2018, 14, 870-875.	8.0	62
7	K _{2P} channel C-type gating involves asymmetric selectivity filter order-disorder transitions. <i>Science Advances</i> , 2020, 6, .	10.3	52
8	Cyclic dinucleotides bind the C-linker of HCN4 to control channel cAMP responsiveness. <i>Nature Chemical Biology</i> , 2014, 10, 457-462.	8.0	50
9	Deletion of β -strands 9 and 10 converts VDAC1 voltage-dependence in an asymmetrical process. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 793-805.	1.0	32
10	Polynuclear Ruthenium Amines Inhibit K2P Channels via a β -Finger in the Damaged Mechanism. <i>Cell Chemical Biology</i> , 2020, 27, 511-524.e4.	5.2	30
11	Cyclic Nucleotide Mapping of Hyperpolarization-Activated Cyclic Nucleotide-Gated (HCN) Channels. <i>ACS Chemical Biology</i> , 2014, 9, 1128-1137.	3.4	27
12	Structural Organization of DNA in Chlorella Viruses. <i>PLoS ONE</i> , 2012, 7, e30133.	2.5	24
13	Structure of the saxiphilin:saxitoxin (STX) complex reveals a convergent molecular recognition strategy for paralytic toxins. <i>Science Advances</i> , 2019, 5, eaax2650.	10.3	22
14	HPV Infection Affects Human Sperm Functionality by Inhibition of Aquaporin-8. <i>Cells</i> , 2020, 9, 1241.	4.1	21
15	Lactate modulates microglia polarization via IGFBP6 expression and remodels tumor microenvironment in glioblastoma. <i>Cancer Immunology, Immunotherapy</i> , 2023, 72, 1-20.	4.2	20
16	Structural Basis for Activity and Specificity of an Anticoagulant Anti-FXIIa Monoclonal Antibody and a Reversal Agent. <i>Structure</i> , 2018, 26, 187-198.e4.	3.3	8
17	Production of K2P2.1 (TREK-1) for structural studies. <i>Methods in Enzymology</i> , 2021, 653, 151-188.	1.0	7
18	Generation of artificial channels by multimerization of β -strands from natural porin. <i>Biological Chemistry</i> , 2011, 392, 617-24.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Quaternary structure independent folding of voltage-gated ion channel pore domain subunits. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 537-548.	8.2	5
20	K2P2.1 (TREK-1)-Activator Complexes Reveal a Cryptic Selectivity Filter Binding Site. <i>Biophysical Journal</i> , 2018, 114, 303a-304a.	0.5	1