

Marina A Kasimova

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

948
citations

623734

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24
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34
all docs

34
docs citations

34
times ranked

1347
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane Protein Structure, Function, and Dynamics: a Perspective from Experiments and Theory. <i>Journal of Membrane Biology</i> , 2015, 248, 611-640.	2.1	157
2	Structural insights on TRPV5 gating by endogenous modulators. <i>Nature Communications</i> , 2018, 9, 4198.	12.8	118
3	Domain-domain interactions determine the gating, permeation, pharmacology, and subunit modulation of the IKs ion channel. <i>ELife</i> , 2014, 3, e03606.	6.0	81
4	Molecular Insights from Conformational Ensembles via Machine Learning. <i>Biophysical Journal</i> , 2020, 118, 765-780.	0.5	67
5	Free-energy landscape of ion-channel voltage-sensor domain activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 124-129.	7.1	63
6	PIP2-dependent coupling is prominent in Kv7.1 due to weakened interactions between S4-S5 and S6. <i>Scientific Reports</i> , 2015, 5, 7474.	3.3	53
7	Helix breaking transition in the S4 of HCN channel is critical for hyperpolarization-dependent gating. <i>ELife</i> , 2019, 8, .	6.0	49
8	Two-stage electro-mechanical coupling of a KV channel in voltage-dependent activation. <i>Nature Communications</i> , 2020, 11, 676.	12.8	46
9	Ion Channel Sensing: Are Fluctuations the Crux of the Matter?. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1260-1264.	4.6	43
10	Pulsed Electric Fields Can Create Pores in the Voltage Sensors of Voltage-Gated Ion Channels. <i>Biophysical Journal</i> , 2020, 119, 190-205.	0.5	43
11	Properties of lipid electropores I: Molecular dynamics simulations of stabilized pores by constant charge imbalance. <i>Bioelectrochemistry</i> , 2016, 109, 108-116.	4.6	42
12	Dual Effect of Phosphatidyl (4,5)-Bisphosphate PIP2 on Shaker K ⁺ Channels. <i>Journal of Biological Chemistry</i> , 2012, 287, 36158-36167.	3.4	37
13	A hypothetical molecular mechanism for TRPV1 activation that invokes rotation of an S6 asparagine. <i>Journal of General Physiology</i> , 2018, 150, 1554-1566.	1.9	30
14	Conformational dynamics in TRPV1 channels reported by an encoded coumarin amino acid. <i>ELife</i> , 2017, 6, .	6.0	25
15	A Structural Basis for ¹²⁹ Xe HyperCEST Signal in TEM-1 β -Lactamase. <i>ChemPhysChem</i> , 2019, 20, 260-267.	2.1	17
16	Determining the molecular basis of voltage sensitivity in membrane proteins. <i>Journal of General Physiology</i> , 2018, 150, 1444-1458.	1.9	16
17	Exploring the Viral Channel KcvPBCV-1 Function via Computation. <i>Journal of Membrane Biology</i> , 2018, 251, 419-430.	2.1	10
18	Evolutionarily Conserved Interactions within the Pore Domain of Acid-Sensing Ion Channels. <i>Biophysical Journal</i> , 2020, 118, 861-872.	0.5	9

#	ARTICLE	IF	CITATIONS
19	An open state of a voltage-gated sodium channel involving a α -helix and conserved pore-facing asparagine. <i>Biophysical Journal</i> , 2022, 121, 11-22.	0.5	8
20	Functional interaction between S1 and S4 segments in voltage-gated sodium channels revealed by human channelopathies. <i>Channels</i> , 2014, 8, 414-420.	2.8	7
21	Domain Structure and Conformational Changes in rat KV2.1 ion Channel. <i>Journal of NeuroImmune Pharmacology</i> , 2014, 9, 727-739.	4.1	7
22	Studying Kv Channels Function using Computational Methods. <i>Methods in Molecular Biology</i> , 2018, 1684, 321-341.	0.9	4
23	An integrated platform approach enables discovery of potent, selective and ligand-competitive cyclic peptides targeting the GIP receptor. <i>Chemical Science</i> , 2022, 13, 3256-3262.	7.4	4
24	Dual effect of phosphatidylinositol (4,5)-bisphosphate PIP2 on Shaker K+ channels.. <i>Journal of Biological Chemistry</i> , 2013, 288, 10951.	3.4	2
25	Phosphatidylinositol Inhibits TRPV1 via its Vanilloid Binding Site. <i>Biophysical Journal</i> , 2019, 116, 536a.	0.5	0
26	Two-stage α -Hand-and-Elbow α -Gating Mechanism of a KV Channel. <i>Biophysical Journal</i> , 2020, 118, 113a.	0.5	0