

Maria Musgaard

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

746
citations

567144

15
h-index

610775

24
g-index

28
all docs

28
docs citations

28
times ranked

1110
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion Pathways in the Sarcoplasmic Reticulum Ca ²⁺ -ATPase. <i>Journal of Biological Chemistry</i> , 2013, 288, 10759-10765.	1.6	125
2	Mutual adaptation of a membrane protein and its lipid bilayer during conformational changes. <i>Nature Communications</i> , 2011, 2, 304.	5.8	108
3	Binding and Orientation of Tricyclic Antidepressants within the Central Substrate Site of the Human Serotonin Transporter. <i>Journal of Biological Chemistry</i> , 2010, 285, 8363-8374.	1.6	85
4	Distinct Structural Pathways Coordinate the Activation of AMPA Receptor-Auxiliary Subunit Complexes. <i>Neuron</i> , 2016, 89, 1264-1276.	3.8	61
5	Coupling structure with function in acid-sensing ion channels: challenges in pursuit of proton sensors. <i>Journal of Physiology</i> , 2021, 599, 417-430.	1.3	38
6	Protonation States of Important Acidic Residues in the Central Ca ²⁺ Ion Binding Sites of the Ca ²⁺ -ATPase: A Molecular Modeling Study. <i>Biochemistry</i> , 2011, 50, 11109-11120.	1.2	37
7	Defining the structural relationship between kainate-receptor deactivation and desensitization. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1054-1061.	3.6	34
8	11-12 linker isomerization governs acid-sensing ion channel desensitization and recovery. <i>ELife</i> , 2020, 9, .	2.8	30
9	Role of the Cys Loop and Transmembrane Domain in the Allosteric Modulation of $\alpha 4\beta 2$ Nicotinic Acetylcholine Receptors. <i>Journal of Biological Chemistry</i> , 2017, 292, 551-562.	1.6	28
10	Tracing Cytoplasmic Ca ²⁺ Ion and Water Access Points in the Ca ²⁺ -ATPase. <i>Biophysical Journal</i> , 2012, 102, 268-277.	0.2	25
11	Kainate receptor pore-forming and auxiliary subunits regulate channel block by a novel mechanism. <i>Journal of Physiology</i> , 2016, 594, 1821-1840.	1.3	24
12	Steered Molecular Dynamics Simulations Predict Conformational Stability of Glutamate Receptors. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 1787-1797.	2.5	24
13	Mutational Analysis and Modeling of Negative Allosteric Modulator Binding Sites in AMPA Receptors. <i>Molecular Pharmacology</i> , 2019, 96, 835-850.	1.0	20
14	Actions of Agonists, Fipronil and Ivermectin on the Predominant In Vivo Splice and Edit Variant (RDLbd, I/V) of the <i>Drosophila</i> GABA Receptor Expressed in <i>Xenopus laevis</i> Oocytes. <i>PLoS ONE</i> , 2014, 9, e97468.	1.1	20
15	Functional Validation of Heteromeric Kainate Receptor Models. <i>Biophysical Journal</i> , 2017, 113, 2173-2177.	0.2	16
16	The dynamics of camphor in the cytochrome P450 CYP101D2. <i>Protein Science</i> , 2013, 22, 1218-1229.	3.1	13
17	A single historical substitution drives an increase in acetylcholine receptor complexity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	13
18	Promiscuous attraction of ligands within the ATP binding site of RyR2 promotes diverse gating behaviour. <i>Scientific Reports</i> , 2018, 8, 15011.	1.6	12

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19	Insights into channel dysfunction from modelling and molecular dynamics simulations. <i>Neuropharmacology</i> , 2018, 132, 20-30.	2.0	11
20	Mutation of a conserved glutamine residue does not abolish desensitization of acid-sensing ion channel 1. <i>Journal of General Physiology</i> , 2021, 153, .	0.9	9
21	A dynamically interacting flexible loop assists oligomerisation of the <i>Caenorhabditis elegans</i> centriolar protein SAS-6. <i>Scientific Reports</i> , 2019, 9, 3526.	1.6	3
22	Molecular Investigation of Chicken Acid-Sensing Ion Channel 1 $\hat{1}^{211-12}$ Linker Isomerization and Channel Kinetics. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 761813.	1.8	3
23	Identification of compounds that bind the centriolar protein SAS-6 and inhibit its oligomerization. <i>Journal of Biological Chemistry</i> , 2020, 295, 17922-17934.	1.6	2
24	The V2475F CPVT1 mutation yields distinct RyR2 channel populations that differ in their responses to cytosolic Ca ²⁺ and Mg ²⁺ . <i>Journal of Physiology</i> , 2021, 599, 5179-5201.	1.3	2
25	MD Simulations of P-Type ATPases in a Lipid Bilayer System. <i>Methods in Molecular Biology</i> , 2016, 1377, 459-492.	0.4	0