Maria Musgaard

List of Publications by Year
in descending order

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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	Coupling structure with function in acidâ€sensing ion channels: challenges in pursuit of proton sensors. Journal of Physiology, 2021, 599, 417-430.	1.3	38
2	A single historical substitution drives an increase in acetylcholine receptor complexity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	13
3	Mutation of a conserved glutamine residue does not abolish desensitization of acid-sensing ion channel 1. Journal of General Physiology, 2021, 153, .	0.9	9
4	The V2475F CPVT1 mutation yields distinct RyR2 channel populations that differ in their responses to cytosolic Ca 2+ and Mg 2+. Journal of Physiology, 2021, 599, 5179-5201.	1.3	2
5	Molecular Investigation of Chicken Acid-Sensing Ion Channel 1 Î²11-12 Linker Isomerization and Channel Kinetics. Frontiers in Cellular Neuroscience, 2021, 15, 761813.	1.8	3
6	Identification of compounds that bind the centriolar protein SAS-6 and inhibit its oligomerization. Journal of Biological Chemistry, 2020, 295, 17922-17934.	1.6	2
7	Î²11-12 linker isomerization governs acid-sensing ion channel desensitization and recovery. ELife, 2020, 9, .	2.8	30
8	A dynamically interacting flexible loop assists oligomerisation of the Caenorhabditis elegans centriolar protein SAS-6. Scientific Reports, 2019, 9, 3526.	1.6	3
9	Mutational Analysis and Modeling of Negative Allosteric Modulator Binding Sites in AMPA Receptors. Molecular Pharmacology, 2019, 96, 835-850.	1.0	20
10	Insights into channel dysfunction from modelling and molecular dynamics simulations. Neuropharmacology, 2018, 132, 20-30.	2.0	11
11	Promiscuous attraction of ligands within the ATP binding site of RyR2 promotes diverse gating behaviour. Scientific Reports, 2018, 8, 15011.	1.6	12
12	Functional Validation of Heteromeric Kainate Receptor Models. Biophysical Journal, 2017, 113, 2173-2177.	0.2	16
13	Role of the Cys Loop and Transmembrane Domain in the Allosteric Modulation of Î±4Î²2 Nicotinic Acetylcholine Receptors. Journal of Biological Chemistry, 2017, 292, 551-562.	1.6	28
14	Kainate receptor poreâ€forming and auxiliary subunits regulate channel block by a novel mechanism. Journal of Physiology, 2016, 594, 1821-1840.	1.3	24
15	Distinct Structural Pathways Coordinate the Activation of AMPA Receptor-Auxiliary Subunit Complexes. Neuron, 2016, 89, 1264-1276.	3.8	61
16	Steered Molecular Dynamics Simulations Predict Conformational Stability of Glutamate Receptors. Journal of Chemical Information and Modeling, 2016, 56, 1787-1797.	2.5	24
17	MD Simulations of P-Type ATPases in a Lipid Bilayer System. Methods in Molecular Biology, 2016, 1377, 459-492.	0.4	0
18	Actions of Agonists, Fipronil and Ivermectin on the Predominant In Vivo Splice and Edit Variant (RDLbd, I/V) of the Drosophila GABA Receptor Expressed in Xenopus laevis Oocytes. PLoS ONE, 2014, 9, e97468.	1.1	20

#	Article	IF	Citations
19	Defining the structural relationship between kainate-receptor deactivation and desensitization. Nature Structural and Molecular Biology, 2013, 20, 1054-1061.	3.6	34
20	The dynamics of camphor in the cytochrome P450 CYP101D2. Protein Science, 2013, 22, 1218-1229.	3.1	13
21	Ion Pathways in the Sarcoplasmic Reticulum Ca2+-ATPase. Journal of Biological Chemistry, 2013, 288, 10759-10765.	1.6	125
22	Tracing Cytoplasmic Ca2+ Ion and Water Access Points in the Ca2+-ATPase. Biophysical Journal, 2012, 102, 268-277.	0.2	25
23	Protonation States of Important Acidic Residues in the Central Ca²⁺ Ion Binding Sites of the Ca²⁺-ATPase: A Molecular Modeling Study. Biochemistry, 2011, 50, 11109-11120.	1.2	37
24	Mutual adaptation of a membrane protein and its lipid bilayer during conformational changes. Nature Communications, 2011, 2, 304.	5.8	108
25	Binding and Orientation of Tricyclic Antidepressants within the Central Substrate Site of the Human Serotonin Transporter. Journal of Biological Chemistry, 2010, 285, 8363-8374.	1.6	85