Montserrat SamsÃ³

List of Publications by Year
in descending order

40 papers	1,839 citations	279798 23 h-index	330143 37 g-index
42 all docs	42 docs citations	42 times ranked	1480 citing authors

#	Article	IF	Citations
1	Cryo-EM reveals local and global structural rearrangements in RYR mutants. Journal of General Physiology, 2022, 154, .	1.9	1
2	Ca2+ inactivation of the mammalian ryanodine receptor type 1 in a lipidic environment revealed by cryo-EM. ELife, 2022, 11, .	6.0	9
3	Cryo-EM catalyzes the exploration of drug selectivity: The CDK7 inhibitor example. Biophysical Journal, 2021, 120, 1304-1305.	0.5	0
4	Purification of Recombinant Wild Type and Mutant Ryanodine Receptors Expressed in HEK293 Cells. Bio-protocol, 2021, 11, e4112.	0.4	4
5	Structural mechanism of two gain-of-function cardiac and skeletal RyR mutations at an equivalent site by cryo-EM. Science Advances, 2020, 6, eabb2964.	10.3	49
6	The FKBP12 subunit modifies the long-range allosterism of the ryanodine receptor. Journal of Structural Biology, 2019, 205, 180-188.	2.8	14
7	Hyaluronic acid grafted nanoparticles of a platinum(<scp>ii</scp>)â€“silicon(<scp>iv</scp>) phthalocyanine conjugate for tumor and mitochondria-targeted photodynamic therapy in red light. Journal of Materials Chemistry B, 2018, 6, 7373-7377.	5.8	26
8	Molecular Clustering of Skeletal and Cardiac Ryanodine Receptors. Microscopy and Microanalysis, 2018, 24, 1232-1233.	0.4	0
9	A cryo-EMâ€“based model of phosphorylation- and FKBP12.6-mediated allosterism of the cardiac ryanodine receptor. Science Signaling, 2017, 10, .	3.6	41
10	A guide to the 3D structure of the ryanodine receptor type 1 by cryoEM. Protein Science, 2017, 26, 52-68.	7.6	30
11	Ultrastructural Analysis of Self-Associated RyR2s. Biophysical Journal, 2016, 110, 2651-2662.	0.5	45
12	Do's and Don'ts of Cryo-electron Microscopy: A Primer on Sample Preparation and High Quality Data Collection for Macromolecular 3D Reconstruction. Journal of Visualized Experiments, 2015, , 52311.	0.3	12
13	3D structure of muscle dihydropyridine receptor. European Journal of Translational Myology, 2015, 25, 27.	1.7	14
14	3D structure of muscle dihydropyridine receptor. European Journal of Translational Myology, 2015, 25, .	1.7	0
15	The ArrayGrid: A methodology for applying multiple samples to a single TEM specimen grid. Ultramicroscopy, 2013, 135, 105-112.	1.9	10
16	Structural Determinants of Skeletal Muscle Ryanodine Receptor Gating*. Journal of Biological Chemistry, 2013, 288, 6154-6165.	3.4	48
17	Three-Dimensional Localization of the Î± and Î² Subunits and of the II-III Loop in the Skeletal Muscle L-type Ca2+ Channel. Journal of Biological Chemistry, 2012, 287, 43853-43861.	3.4	10
18	FRET-Based Localization of Fluorescent Protein Insertions Within the Ryanodine Receptor Type 1. PLoS ONE, 2012, 7, e38594.	2.5	9

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19	3D Mapping of the SPRY2 Domain of Ryanodine Receptor 1 by Single-Particle Cryo-EM. PLoS ONE, 2011, 6, e25813.	2.5	14
20	Mapping the Ryanodine Receptor FK506-binding Protein Subunit Using Fluorescence Resonance Energy Transfer. Journal of Biological Chemistry, 2010, 285, 19219-19226.	3.4	45
21	Coordinated Movement of Cytoplasmic and Transmembrane Domains of RyR1 upon Gating. PLoS Biology, 2009, 7, e1000085.	5.6	155
22	Enhanced Excitation-Coupled Calcium Entry in Myotubes Expressing Malignant Hyperthermia Mutation R163C Is Attenuated by Dantrolene. Molecular Pharmacology, 2008, 73, 1203-1212.	2.3	95
23	Structural Characterization of the RyR1â€“FKBP12 Interaction. Journal of Molecular Biology, 2006, 356, 917-927.	4.2	90
24	A Flexible Linkage Between the Dynein Motor and its Cargo. Journal of Molecular Biology, 2006, 357, 701-706.	4.2	18
25	Internal structure and visualization of transmembrane domains of the RyR1 calcium release channel by cryo-EM. Nature Structural and Molecular Biology, 2005, 12, 539-544.	8.2	179
26	Of rings and levers: the dynein motor comes of age. Trends in Cell Biology, 2004, 14, 612-619.	7.9	44
27	25Ã… Resolution Structure of a Cytoplasmic Dynein Motor Reveals a Seven-member Planar Ring. Journal of Molecular Biology, 2004, 340, 1059-1072.	4.2	77
28	Membrane proteins: the â€˜Wild Westâ€™ of structural biology. Trends in Biochemical Sciences, 2003, 28, 137-144.	7.5	129
29	Apocalmodulin and Ca2+-Calmodulin Bind to Neighboring Locations on the Ryanodine Receptor. Journal of Biological Chemistry, 2002, 277, 1349-1353.	3.4	127
30	A Bayesian method for classification of images from electron micrographs. Journal of Structural Biology, 2002, 138, 157-170.	2.8	18
31	Three-dimensional reconstruction of ryanodine receptors. Frontiers in Bioscience - Landmark, 2002, 7, d1464-1474.	3.0	33
32	Amino Acid Residues 4425â€“4621 Localized on the Three-Dimensional Structure of the Skeletal Muscle Ryanodine Receptor. Biophysical Journal, 2000, 78, 1349-1358.	0.5	34
33	Three-Dimensional Location of the Imperatoxin a Binding Site on the Ryanodine Receptor. Journal of Cell Biology, 1999, 146, 493-500.	5.2	70
34	Structural characterization of a dynein motor domain 1 1Edited by M. F. Moody. Journal of Molecular Biology, 1998, 276, 927-937.	4.2	127
35	Contributions of Electron Microscopy and Single-Particle Techniques to the Determination of the Ryanodine Receptor Three-Dimensional Structure. Journal of Structural Biology, 1998, 121, 172-180.	2.8	40
36	Evidence for Sodium Dodecyl Sulfate/Protein Complexes Adopting a Necklace Structure. FEBS Journal, 1995, 232, 818-824.	0.2	68

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37	Evidence for Sodium Dodecyl Sulfate/Protein Complexes Adopting a Necklace Structure. FEBS Journal, 1995, 232, 818-824.	0.2	1
38	Unfolded structure and reactivity of nucleosome core DNA-histone H2A,H2B complexes in solution as studied by synchrotron radiation X-ray scattering. Biochemistry, 1993, 32, 4609-4614.	2.5	7
39	Use of Nile red as a fluorescent probe for the study of the hydrophobic properties of protein-sodium dodecyl sulfate complexes in solution. Analytical Biochemistry, 1991, 199, 162-168.	2.4	72
40	Use of the hydrophobic probe Nile red for the fluorescent staining of protein bands in sodium dodecyl sulfate-polyacrylamide gels. Analytical Biochemistry, 1991, 199, 169-174.	2.4	74