Irina I Serysheva

List of Publications by Year
in descending order

26	1,696	430874	610901
papers	citations	18 h-index	24 g-index

30	30	30	2016
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cryo-EM structure of type 1 IP3R channel in a lipid bilayer. Communications Biology, 2021, 4, 625.	4.4	64
2	Bcl-2-Protein Family as Modulators of IP₃Receptors and Other Organellar Ca²⁺Channels. Cold Spring Harbor Perspectives in Biology, 2020, 12, a035089.	5.5	50
3	Cryo-EM reveals ligand induced allostery underlying InsP3R channel gating. Cell Research, 2018, 28, 1158-1170.	12.0	48
4	Structure of IP3R channel: high-resolution insights from cryo-EM. Current Opinion in Structural Biology, 2017, 46, 38-47.	5.7	41
5	An allosteric transport mechanism for the AcrAB-TolC multidrug efflux pump. ELife, 2017, 6, .	6.0	190
6	Structural Insights into IP3R Function. Advances in Experimental Medicine and Biology, 2017, 981, 121-147.	1.6	14
7	Inositol 1,4,5-trisphosphate receptor type 1 autoantibodies in paraneoplastic and non-paraneoplastic peripheral neuropathy. Journal of Neuroinflammation, 2016, 13, 278.	7.2	23
8	Single-particle cryo-EM of the ryanodine receptor channel. European Journal of Translational Myology, 2015, 25, 35.	1.7	34
9	Single-particle cryo-EM of the ryanodine receptor channel. European Journal of Translational Myology, 2015, 25, 35-48.	1.7	11
10	Gating machinery of InsP3R channels revealed by electron cryomicroscopy. Nature, 2015, 527, 336-341.	27.8	199
11	Antibodies to the inositol 1,4,5-trisphosphate receptor type 1 (ITPR1) in cerebellar ataxia. Journal of Neuroinflammation, 2014, 11, 206.	7.2	50
12	Toward a high-resolution structure of IP3R channel. Cell Calcium, 2014, 56, 125-132.	2.4	37
13	Single-particle Cryo-EM of calcium release channels: structural validation. Current Opinion in Structural Biology, 2013, 23, 755-762.	5.7	19
14	Validation of Cryo-EM Structure of IP3R1 Channel. Structure, 2013, 21, 900-909.	3.3	43
15	Identification of ATP-Binding Regions in the RyR1 Ca2+ Release Channel. PLoS ONE, 2012, 7, e48725.	2.5	11
16	Flexible Architecture of IP3R1 by Cryo-EM. Structure, 2011, 19, 1192-1199.	3.3	80
17	3D Structure of IP3 Receptor. Current Topics in Membranes, 2010, 66, 171-189.	0.9	7
18	Subnanometer-resolution electron cryomicroscopy-based domain models for the cytoplasmic region of skeletal muscle RyR channel. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9610-9615.	7.1	106

#	Article	IF	Citations
19	Singleâ€Particle Electron Cryomicroscopy of the Ion Channels in the Excitationâ€“Contraction Coupling Junction. Methods in Cell Biology, 2007, 79, 407-435.	1.1	12
20	The Pore Structure of the Closed RyR1 Channel. Structure, 2005, 13, 1203-1211.	3.3	142
21	Structure of Ca2+ Release Channel at 14Ã... Resolution. Journal of Molecular Biology, 2005, 345, 427-431.	4.2	76
22	Structure of the Type 1 Inositol 1,4,5-Trisphosphate Receptor Revealed by Electron Cryomicroscopy. Journal of Biological Chemistry, 2003, 278, 21319-21322.	3.4	85
23	The Skeletal Muscle Calcium-Release Channel Visualised By Electron Cryomicroscopy and Angular Reconstitution. , 1998, , 23-46.		2
24	Ryanodine Binding Sites on the Sarcoplasmic Reticulum Ca²⁺ Release Channel. , 1998, , 95-109.		2
25	Two structural configurations of the skeletal muscle calcium release channel. Nature Structural and Molecular Biology, 1996, 3, 547-552.	8.2	161
26	Electron cryomicroscopy and angular reconstitution used to visualize the skeletal muscle calcium release channel. Nature Structural Biology, 1995, 2, 18-24.	9.7	185