

Irina I Serysheva

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,696
citations

430874

18
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

2016
citing authors

#	ARTICLE	IF	CITATIONS
1	Gating machinery of InsP3R channels revealed by electron cryomicroscopy. <i>Nature</i> , 2015, 527, 336-341.	27.8	199
2	An allosteric transport mechanism for the AcrAB-TolC multidrug efflux pump. <i>ELife</i> , 2017, 6, .	6.0	190
3	Electron cryomicroscopy and angular reconstitution used to visualize the skeletal muscle calcium release channel. <i>Nature Structural Biology</i> , 1995, 2, 18-24.	9.7	185
4	Two structural configurations of the skeletal muscle calcium release channel. <i>Nature Structural and Molecular Biology</i> , 1996, 3, 547-552.	8.2	161
5	The Pore Structure of the Closed RyR1 Channel. <i>Structure</i> , 2005, 13, 1203-1211.	3.3	142
6	Subnanometer-resolution electron cryomicroscopy-based domain models for the cytoplasmic region of skeletal muscle RyR channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9610-9615.	7.1	106
7	Structure of the Type 1 Inositol 1,4,5-Trisphosphate Receptor Revealed by Electron Cryomicroscopy. <i>Journal of Biological Chemistry</i> , 2003, 278, 21319-21322.	3.4	85
8	Flexible Architecture of IP3R1 by Cryo-EM. <i>Structure</i> , 2011, 19, 1192-1199.	3.3	80
9	Structure of Ca ²⁺ Release Channel at 14Å... Resolution. <i>Journal of Molecular Biology</i> , 2005, 345, 427-431.	4.2	76
10	Cryo-EM structure of type 1 IP3R channel in a lipid bilayer. <i>Communications Biology</i> , 2021, 4, 625.	4.4	64
11	Antibodies to the inositol 1,4,5-trisphosphate receptor type 1 (ITPR1) in cerebellar ataxia. <i>Journal of Neuroinflammation</i> , 2014, 11, 206.	7.2	50
12	Bcl-2-Protein Family as Modulators of IP ₃ Receptors and Other Organellar Ca ²⁺ Channels. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a035089.	5.5	50
13	Cryo-EM reveals ligand induced allostery underlying InsP3R channel gating. <i>Cell Research</i> , 2018, 28, 1158-1170.	12.0	48
14	Validation of Cryo-EM Structure of IP3R1 Channel. <i>Structure</i> , 2013, 21, 900-909.	3.3	43
15	Structure of IP3R channel: high-resolution insights from cryo-EM. <i>Current Opinion in Structural Biology</i> , 2017, 46, 38-47.	5.7	41
16	Toward a high-resolution structure of IP3R channel. <i>Cell Calcium</i> , 2014, 56, 125-132.	2.4	37
17	Single-particle cryo-EM of the ryanodine receptor channel. <i>European Journal of Translational Myology</i> , 2015, 25, 35.	1.7	34
18	Inositol 1,4,5-trisphosphate receptor type 1 autoantibodies in paraneoplastic and non-paraneoplastic peripheral neuropathy. <i>Journal of Neuroinflammation</i> , 2016, 13, 278.	7.2	23

#	ARTICLE	IF	CITATIONS
19	Single-particle Cryo-EM of calcium release channels: structural validation. <i>Current Opinion in Structural Biology</i> , 2013, 23, 755-762.	5.7	19
20	Structural Insights into IP3R Function. <i>Advances in Experimental Medicine and Biology</i> , 2017, 981, 121-147.	1.6	14
21	Single-particle Electron Cryomicroscopy of the Ion Channels in the Excitation-Contracting Coupling Junction. <i>Methods in Cell Biology</i> , 2007, 79, 407-435.	1.1	12
22	Identification of ATP-Binding Regions in the RyR1 Ca ²⁺ Release Channel. <i>PLoS ONE</i> , 2012, 7, e48725.	2.5	11
23	Single-particle cryo-EM of the ryanodine receptor channel. <i>European Journal of Translational Myology</i> , 2015, 25, 35-48.	1.7	11
24	3D Structure of IP3 Receptor. <i>Current Topics in Membranes</i> , 2010, 66, 171-189.	0.9	7
25	The Skeletal Muscle Calcium-Release Channel Visualised By Electron Cryomicroscopy and Angular Reconstitution. , 1998, , 23-46.		2
26	Ryanodine Binding Sites on the Sarcoplasmic Reticulum Ca ²⁺ Release Channel. , 1998, , 95-109.		2