

Ioan Iacovache

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,474
citations

687363

13
h-index

713466

21
g-index

28
all docs

28
docs citations

28
times ranked

1775
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular assembly of the aerolysin pore reveals a swirling membrane-insertion mechanism. <i>Nature Chemical Biology</i> , 2013, 9, 623-629.	8.0	183
2	Pathogenic Pore-Forming Proteins: Function and Host Response. <i>Cell Host and Microbe</i> , 2012, 12, 266-275.	11.0	173
3	Structure and assembly of pore-forming proteins. <i>Current Opinion in Structural Biology</i> , 2010, 20, 241-246.	5.7	162
4	Pore formation: An ancient yet complex form of attack. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1611-1623.	2.6	161
5	Palmitoylation and ubiquitination regulate exit of the Wnt signaling protein LRP6 from the endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5384-5389.	7.1	144
6	Cryo-EM structure of aerolysin variants reveals a novel protein fold and the pore-formation process. <i>Nature Communications</i> , 2016, 7, 12062.	12.8	144
7	Extending the Aerolysin Family: From Bacteria to Vertebrates. <i>PLoS ONE</i> , 2011, 6, e20349.	2.5	107
8	Monalysin, a Novel β -Pore-Forming Toxin from the Drosophila Pathogen <i>Pseudomonas entomophila</i> , Contributes to Host Intestinal Damage and Lethality. <i>PLoS Pathogens</i> , 2011, 7, e1002259.	4.7	101
9	A rivet model for channel formation by aerolysin-like pore-forming toxins. <i>EMBO Journal</i> , 2006, 25, 457-466.	7.8	95
10	Dual Chaperone Role of the C-Terminal Propeptide in Folding and Oligomerization of the Pore-Forming Toxin Aerolysin. <i>PLoS Pathogens</i> , 2011, 7, e1002135.	4.7	64
11	The 2DX robot: A membrane protein 2D crystallization Swiss Army knife. <i>Journal of Structural Biology</i> , 2010, 169, 370-378.	2.8	34
12	A new tool based on two micromanipulators facilitates the handling of ultrathin cryosection ribbons. <i>Journal of Structural Biology</i> , 2014, 185, 125-128.	2.8	27
13	Membrane deformation and layer-by-layer peeling of giant vesicles induced by the pore-forming toxin pneumolysin. <i>Biomaterials Science</i> , 2019, 7, 3693-3705.	5.4	16
14	The structure and symmetry of radial spoke protein complex in <i>Chlamydomonas</i> flagella. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	14
15	Dissecting Out the Molecular Mechanism of Insecticidal Activity of Ostreolysin A6/Pleurotolysin B Complexes on Western Corn Rootworm. <i>Toxins</i> , 2021, 13, 455.	3.4	11
16	Supramolecular assembly of DNA-constructed vesicles. <i>Nanoscale</i> , 2020, 12, 21118-21123.	5.6	10
17	Revealing Assembly of a Pore-Forming Complex Using Single-Cell Kinetic Analysis and Modeling. <i>Biophysical Journal</i> , 2016, 110, 1574-1581.	0.5	9
18	A small ribosome-associated ncRNA globally inhibits translation by restricting ribosome dynamics. <i>RNA Biology</i> , 2021, 18, 1-16.	3.1	6

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19	Aerolysin and Related Aeromonas Toxins. , 2015, , 773-793.		4
20	A bacterial big-MAC attack. Nature Structural and Molecular Biology, 2004, 11, 1163-1164.	8.2	3
21	Tetraphenylethyleneâ€“DNA conjugates: influence of sticky ends and DNA sequence length on the supramolecular assembly of AIE-active vesicles. Organic and Biomolecular Chemistry, 2022, , .	2.8	3
22	Complex DNA Architectonicsâ”€Self-Assembly of Amphiphilic Oligonucleotides into Ribbons, Vesicles, and Asterosomes. Bioconjugate Chemistry, 2022, , .	3.6	2
23	Assembly and Function of Pore-Forming Toxin Aerolysin from Aeromonas Hydrophila. Biophysical Journal, 2011, 100, 389a.	0.5	0
24	Unraveling the Assembly of Large Macromolecular Machines by Integrating Computational Techniques with Experimental Data. Biophysical Journal, 2012, 102, 261a.	0.5	0
25	The Molecular Assembly of the Aerolysin Pore Reveals a Unique Swirling Membrane-Insertion Mechanism. Biophysical Journal, 2013, 104, 395a.	0.5	0