Ioan Iacovache

List of Publications by Year
in descending order

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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	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
2	Complex DNA Architectonicsâ”€Self-Assembly of Amphiphilic Oligonucleotides into Ribbons, Vesicles, and Asterosomes. Bioconjugate Chemistry, 2022, , .	3.6	2
3	A small ribosome-associated ncRNA globally inhibits translation by restricting ribosome dynamics. RNA Biology, 2021, 18, 1-16.	3.1	6
4	Dissecting Out the Molecular Mechanism of Insecticidal Activity of Ostreolysin A6/Pleurotolysin B Complexes on Western Corn Rootworm. Toxins, 2021, 13, 455.	3.4	11
5	The structure and symmetry of radial spoke protein complex in Chlamydomonas flagella. Journal of Cell Science, 2020, 133, .	2.0	14
6	Supramolecular assembly of DNA-constructed vesicles. Nanoscale, 2020, 12, 21118-21123.	5.6	10
7	Membrane deformation and layer-by-layer peeling of giant vesicles induced by the pore-forming toxin pneumolysin. Biomaterials Science, 2019, 7, 3693-3705.	5.4	16
8	Cryo-EM structure of aerolysin variants reveals a novel protein fold and the pore-formation process. Nature Communications, 2016, 7, 12062.	12.8	144
9	Revealing Assembly of a Pore-Forming Complex Using Single-Cell Kinetic Analysis and Modeling. Biophysical Journal, 2016, 110, 1574-1581.	0.5	9
10	Aerolysin and Related Aeromonas Toxins. , 2015, , 773-793.		4
11	A new tool based on two micromanipulators facilitates the handling of ultrathin cryosection ribbons. Journal of Structural Biology, 2014, 185, 125-128.	2.8	27
12	Molecular assembly of the aerolysin pore reveals a swirling membrane-insertion mechanism. Nature Chemical Biology, 2013, 9, 623-629.	8.0	183
13	The Molecular Assembly of the Aerolysin Pore Reveals a Unique Swirling Membrane-Insertion Mechanism. Biophysical Journal, 2013, 104, 395a.	0.5	0
14	Pathogenic Pore-Forming Proteins: Function and Host Response. Cell Host and Microbe, 2012, 12, 266-275.	11.0	173
15	Unraveling the Assembly of Large Macromolecular Machines by Integrating Computational Techniques with Experimental Data. Biophysical Journal, 2012, 102, 261a.	0.5	0
16	Assembly and Function of Pore-Forming Toxin Aerolysin from Aeromonas Hydrophila. Biophysical Journal, 2011, 100, 389a.	0.5	0
17	Dual Chaperone Role of the C-Terminal Propeptide in Folding and Oligomerization of the Pore-Forming Toxin Aerolysin. PLoS Pathogens, 2011, 7, e1002135.	4.7	64
18	Monalysin, a Novel ÃŸ-Pore-Forming Toxin from the Drosophila Pathogen Pseudomonas entomophila, Contributes to Host Intestinal Damage and Lethality. PLoS Pathogens, 2011, 7, e1002259.	4.7	101

#	Article	IF	Citations
19	Extending the Aerolysin Family: From Bacteria to Vertebrates. PLoS ONE, 2011, 6, e20349.	2.5	107
20	Structure and assembly of pore-forming proteins. Current Opinion in Structural Biology, 2010, 20, 241-246.	5.7	162
21	The 2DX robot: A membrane protein 2D crystallization Swiss Army knife. Journal of Structural Biology, 2010, 169, 370-378.	2.8	34
22	Pore formation: An ancient yet complex form of attack. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1611-1623.	2.6	161
23	Palmitoylation and ubiquitination regulate exit of the Wnt signaling protein LRP6 from the endoplasmic reticulum. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5384-5389.	7.1	144
24	A rivet model for channel formation by aerolysin-like pore-forming toxins. EMBO Journal, 2006, 25, 457-466.	7.8	95
25	A bacterial big-MAC attack. Nature Structural and Molecular Biology, 2004, 11, 1163-1164.	8.2	3