

# Ioan Iacovache

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9613805/publications.pdf>

Version: 2024-02-01

25  
papers

1,474  
citations

686830

13  
h-index

713013

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.   | 3.9 | 183       |
| 2  | Pathogenic Pore-Forming Proteins: Function and Host Response. <i>Cell Host and Microbe</i> , 2012, 12, 266-275.  | 5.1 | 173       |
| 3  | Structure and assembly of pore-forming proteins. <i>Current Opinion in Structural Biology</i> , 2010, 20, 241-246.   | 2.6 | 162       |
| 4  | Pore formation: An ancient yet complex form of attack. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1611-1623.  | 1.4 | 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. | 3.3 | 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.  | 5.8 | 144       |
| 7  | Extending the Aerolysin Family: From Bacteria to Vertebrates. <i>PLoS ONE</i> , 2011, 6, e20349.   | 1.1 | 107       |
| 8  | Monalysin, a Novel $\alpha$ -Pore-Forming Toxin from the <i>Drosophila</i> Pathogen <i>Pseudomonas entomophila</i> , Contributes to Host Intestinal Damage and Lethality. <i>PLoS Pathogens</i> , 2011, 7, e1002259.             | 2.1 | 101       |
| 9  | A rivet model for channel formation by aerolysin-like pore-forming toxins. <i>EMBO Journal</i> , 2006, 25, 457-466.  | 3.5 | 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.  | 2.1 | 64        |
| 11 | The 2DX robot: A membrane protein 2D crystallization Swiss Army knife. <i>Journal of Structural Biology</i> , 2010, 169, 370-378.  | 1.3 | 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.  | 1.3 | 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.   | 2.6 | 16        |
| 14 | The structure and symmetry of radial spoke protein complex in <i>Chlamydomonas</i> flagella. <i>Journal of Cell Science</i> , 2020, 133, .   | 1.2 | 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.   | 1.5 | 11        |
| 16 | Supramolecular assembly of DNA-constructed vesicles. <i>Nanoscale</i> , 2020, 12, 21118-21123.   | 2.8 | 10        |
| 17 | Revealing Assembly of a Pore-Forming Complex Using Single-Cell Kinetic Analysis and Modeling. <i>Biophysical Journal</i> , 2016, 110, 1574-1581.   | 0.2 | 9         |
| 18 | A small ribosome-associated ncRNA globally inhibits translation by restricting ribosome dynamics. <i>RNA Biology</i> , 2021, 18, 1-16.   | 1.5 | 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.   | 3.6 | 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, , . | 1.5 | 3         |
| 22 | Complex DNA Architectonicsâ”€Self-Assembly of Amphiphilic Oligonucleotides into Ribbons, Vesicles, and Asterosomes. Bioconjugate Chemistry, 2022, , .                                       | 1.8 | 2         |
| 23 | Assembly and Function of Pore-Forming Toxin Aerolysin from Aeromonas Hydrophila. Biophysical Journal, 2011, 100, 389a.  | 0.2 | 0         |
| 24 | Unraveling the Assembly of Large Macromolecular Machines by Integrating Computational Techniques with Experimental Data. Biophysical Journal, 2012, 102, 261a.                              | 0.2 | 0         |
| 25 | The Molecular Assembly of the Aerolysin Pore Reveals a Unique Swirling Membrane-Insertion Mechanism. Biophysical Journal, 2013, 104, 395a.  | 0.2 | 0         |