

Filippo Mancia

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,806
citations

304743

22
h-index

315739

38
g-index

45
all docs

45
docs citations

45
times ranked

2987
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of a mammalian ryanodine receptor. <i>Nature</i> , 2015, 517, 44-49.	27.8	350
2	Structures from Anomalous Diffraction of Native Biological Macromolecules. <i>Science</i> , 2012, 336, 1033-1037.	12.6	154
3	Structure and drug resistance of the <i>Plasmodium falciparum</i> transporter PfCRT. <i>Nature</i> , 2019, 576, 315-320.	27.8	123
4	Structure of the STRA6 receptor for retinol uptake. <i>Science</i> , 2016, 353, .	12.6	103
5	Cryo-EM structure of the human ferritinâ€“transferrin receptor 1 complex. <i>Nature Communications</i> , 2019, 10, 1121.	12.8	100
6	Structures of aminoarabinose transferase ArnT suggest a molecular basis for lipid A glycosylation. <i>Science</i> , 2016, 351, 608-612.	12.6	94
7	Structural basis of omega-3 fatty acid transport across the bloodâ€“brain barrier. <i>Nature</i> , 2021, 595, 315-319.	27.8	61
8	The New York Consortium on Membrane Protein Structure (NYCOMPS): a high-throughput platform for structural genomics of integral membrane proteins. <i>Journal of Structural and Functional Genomics</i> , 2010, 11, 191-199.	1.2	57
9	Cryo-electron microscopy analysis of small membrane proteins. <i>Current Opinion in Structural Biology</i> , 2020, 64, 26-33.	5.7	57
10	A 10-year meta-analysis of membrane protein structural biology: Detergents, membrane mimetics, and structure determination techniques. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183533.	2.6	56
11	Native Serotonin 5-HT2C Receptors Are Expressed as Homodimers on the Apical Surface of Choroid Plexus Epithelial Cells. <i>Molecular Pharmacology</i> , 2015, 87, 660-673.	2.3	54
12	Structural basis for phosphatidylinositol-phosphate biosynthesis. <i>Nature Communications</i> , 2015, 6, 8505.	12.8	43
13	Structural basis for catalysis in a CDP-alcohol phosphotransferase. <i>Nature Communications</i> , 2014, 5, 4068.	12.8	42
14	Structural Basis of WLS/Evi-Mediated Wnt Transport and Secretion. <i>Cell</i> , 2021, 184, 194-206.e14.	28.9	42
15	Gating movements and ion permeation in HCN4 pacemaker channels. <i>Molecular Cell</i> , 2021, 81, 2929-2943.e6.	9.7	41
16	CrrB Positively Regulates High-Level Polymyxin Resistance and Virulence in <i>Klebsiella pneumoniae</i> . <i>Cell Reports</i> , 2020, 33, 108313.	6.4	39
17	High-throughput expression and purification of membrane proteins. <i>Journal of Structural Biology</i> , 2010, 172, 85-93.	2.8	38
18	Structure of the polyisoprenyl-phosphate glycosyltransferase GtrB and insights into the mechanism of catalysis. <i>Nature Communications</i> , 2016, 7, 10175.	12.8	33

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19	The Mmpl3 interactome reveals a complex crosstalk between cell envelope biosynthesis and cell elongation and division in mycobacteria. <i>Scientific Reports</i> , 2019, 9, 10728.	3.3	32
20	Multi-crystal native SAD analysis at 6â€...keV. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 2544-2557.	2.5	31
21	High throughput platforms for structural genomics of integral membrane proteins. <i>Current Opinion in Structural Biology</i> , 2011, 21, 517-522.	5.7	27
22	Cryo-EM Structures and Regulation of Arabinofuranosyltransferase AftD from Mycobacteria. <i>Molecular Cell</i> , 2020, 78, 683-699.e11.	9.7	27
23	Structural basis of lipopolysaccharide maturation by the O-antigen ligase. <i>Nature</i> , 2022, 604, 371-376.	27.8	25
24	Population Dynamics and Structural Effects at Short and Long Range Support the Hypothesis of the Selective Advantage of the G614 SARS-CoV-2 Spike Variant. <i>Molecular Biology and Evolution</i> , 2021, 38, 1966-1979.	8.9	23
25	A Human Pleiotropic Multiorgan Condition Caused by Deficient Wnt Secretion. <i>New England Journal of Medicine</i> , 2021, 385, 1292-1301.	27.0	23
26	Regulatory mechanism for the transmembrane receptor that mediates bidirectional vitamin A transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9857-9864.	7.1	20
27	Structural Insights into Transporter-Mediated Drug Resistance in Infectious Diseases. <i>Journal of Molecular Biology</i> , 2021, 433, 167005.	4.2	20
28	Structural and Functional Characterization of Phosphatidylinositol-Phosphate Biosynthesis in Mycobacteria. <i>Journal of Molecular Biology</i> , 2020, 432, 5137-5151.	4.2	16
29	Cryo-EM structure of arabinosyltransferase EmbB from <i>Mycobacterium smegmatis</i> . <i>Nature Communications</i> , 2020, 11, 3396.	12.8	14
30	Evidence for the early emergence of piperazine-resistant <i>Plasmodium falciparum</i> malaria and modeling strategies to mitigate resistance. <i>PLoS Pathogens</i> , 2022, 18, e1010278.	4.7	13
31	Subcellular localization of the five members of the human steroid 5 β -reductase family. <i>Biochimie Open</i> , 2017, 4, 99-106.	3.2	11
32	Tools for Coproducing Multiple Proteins in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2012, 801, 173-187.	0.9	11
33	Structure-based analysis of CysZ-mediated cellular uptake of sulfate. <i>ELife</i> , 2018, 7, .	6.0	10
34	Structural basis for catalysis at the membrane-water interface. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 1368-1385.	2.4	8
35	Physiologically Relevant Free Ca ²⁺ Ion Concentrations Regulate STRA6-Calmodulin Complex Formation via the BP2 Region of STRA6. <i>Journal of Molecular Biology</i> , 2021, 433, 167272.	4.2	4
36	¹ HN, ¹³ C, and ¹⁵ N resonance assignments of human calmodulin bound to a peptide derived from the STRA6 vitamin A transporter (CaMBP2). <i>Biomolecular NMR Assignments</i> , 2019, 13, 275-278.	0.8	1

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37	Sample preparation for structural and functional analyses of the STRA6 receptor for retinol-binding protein. <i>Methods in Enzymology</i> , 2020, 637, 95-117.	1.0	1
38	Fine Sampling of Sequence Space for Membrane Protein Structural Biology. <i>Journal of Molecular Biology</i> , 2021, 433, 167055.	4.2	1
39	Integral Membrane Enzymes (2020). <i>Journal of Molecular Biology</i> , 2020, 432, 4943-4945.	4.2	0
40	The human dimension in contemporary biological research. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 107-108.	8.2	0
41	High Throughput Expression Screening of Arabinofuranosyltransferases from <i>Mycobacteria</i> . <i>Processes</i> , 2021, 9, 629.	2.8	0