

Tanmay A M Bharat

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2475096/publications.pdf>

Version: 2024-02-01

37
papers

2,471
citations

279487

23
h-index

360668

35
g-index

44
all docs

44
docs citations

44
times ranked

3313
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution mapping of metal ions reveals principles of surface layer assembly in <i>Caulobacter crescentus</i> cells. <i>Structure</i> , 2022, 30, 215-228.e5.	1.6	12
2	Compressed sensing for electron cryotomography and high-resolution subtomogram averaging of biological specimens. <i>Structure</i> , 2022, 30, 408-417.e4.	1.6	6
3	The importance of biofilm formation for cultivation of a Micrarchaeon and its interactions with its Thermoplasmatales host. <i>Nature Communications</i> , 2022, 13, 1735.	5.8	12
4	Towards high-throughput in situ structural biology using electron cryotomography. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 160, 97-103.	1.4	30
5	Molecular Logic of Prokaryotic Surface Layer Structures. <i>Trends in Microbiology</i> , 2021, 29, 405-415.	3.5	40
6	Impressions of expression: bringing structure to the cell. <i>Nature Reviews Microbiology</i> , 2021, 19, 346-346.	13.6	0
7	Architecture of cell-cell junctions in situ reveals a mechanism for bacterial biofilm inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	22
8	Complete atomic structure of a native archaeal cell surface. <i>Cell Reports</i> , 2021, 37, 110052.	2.9	22
9	In Situ Structure of an Intact Lipopolysaccharide-Bound Bacterial Surface Layer. <i>Cell</i> , 2020, 180, 348-358.e15.	13.5	79
10	Identifying proteins bound to native mitotic ESC chromosomes reveals chromatin repressors are important for compaction. <i>Nature Communications</i> , 2020, 11, 4118.	5.8	26
11	Illuminating the dynamics of biofilms. <i>Nature Reviews Microbiology</i> , 2020, 18, 544-544.	13.6	3
12	The use of sonicated lipid vesicles for mass spectrometry of membrane protein complexes. <i>Nature Protocols</i> , 2020, 15, 1690-1706.	5.5	30
13	Phage liquid crystalline droplets form occlusive sheaths that encapsulate and protect infectious rod-shaped bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4724-4731.	3.3	80
14	A Multiprotein Complex Anchors Adhesive Holdfast at the Outer Membrane of <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	13
15	Tricalbins Contribute to Cellular Lipid Flux and Form Curved ER-PM Contacts that Are Bridged by Rod-Shaped Structures. <i>Developmental Cell</i> , 2019, 51, 488-502.e8.	3.1	72
16	Cryo-tomography tilt-series alignment with consideration of the beam-induced sample motion. <i>Journal of Structural Biology</i> , 2018, 202, 200-209.	1.3	43
17	Locating macromolecules and determining structures inside bacterial cells using electron cryotomography. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 973-981.	1.1	15
18	Correlative Microscopy of Vitreous Sections Provides Insights into BAR-Domain Organization In Situ. <i>Structure</i> , 2018, 26, 879-886.e3.	1.6	43

#	ARTICLE	IF	CITATIONS
19	Structure of the hexagonal surface layer on <i>Caulobacter crescentus</i> cells. <i>Nature Microbiology</i> , 2017, 2, 17059.	5.9	85
20	Four-stranded mini microtubules formed by <i>Prostheco bacter</i> BtubAB show dynamic instability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5950-E5958.	3.3	26
21	Ultrastable Gold Substrates Improve the Resolution of 3D Reconstructed Density Maps from Electron Micrographs and Tomograms. <i>Microscopy and Microanalysis</i> , 2016, 22, 1148-1149.	0.2	0
22	Resolving macromolecular structures from electron cryo-tomography data using subtomogram averaging in RELION. <i>Nature Protocols</i> , 2016, 11, 2054-2065.	5.5	216
23	Design of a molecular support for cryo-EM structure determination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7456-E7463.	3.3	93
24	Structures of actin-like ParM filaments show architecture of plasmid-segregating spindles. <i>Nature</i> , 2015, 523, 106-110.	13.7	73
25	Advances in Single-Particle Electron Cryomicroscopy Structure Determination applied to Sub-tomogram Averaging. <i>Structure</i> , 2015, 23, 1743-1753.	1.6	189
26	Seeing tobacco mosaic virus through direct electron detectors. <i>Journal of Structural Biology</i> , 2015, 189, 87-97.	1.3	82
27	The HIV Mutation Browser: A Resource for Human Immunodeficiency Virus Mutagenesis and Polymorphism Data. <i>PLoS Computational Biology</i> , 2014, 10, e1003951.	1.5	25
28	Cryo-electron microscopy of tubular arrays of HIV-1 Gag resolves structures essential for immature virus assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8233-8238.	3.3	98
29	<i>SNARE</i> and regulatory proteins induce local membrane protrusions to prime docked vesicles for fast calcium-triggered fusion. <i>EMBO Reports</i> , 2014, 15, 308-314.	2.0	46
30	Architecture of the ring formed by the tubulin homologue FtsZ in bacterial cell division. <i>ELife</i> , 2014, 3, e04601.	2.8	218
31	Variable Internal Flexibility Characterizes the Helical Capsid Formed by <i>Agrobacterium</i> VirE2 Protein on Single-Stranded DNA. <i>Structure</i> , 2013, 21, 1158-1167.	1.6	8
32	Phosphatidylinositol 4,5-Bisphosphate (PI(4,5)P ₂)-dependent Oligomerization of Fibroblast Growth Factor 2 (FGF2) Triggers the Formation of a Lipidic Membrane Pore Implicated in Unconventional Secretion. <i>Journal of Biological Chemistry</i> , 2012, 287, 27659-27669.	1.6	96
33	Complexin arrests a pool of docked vesicles for fast Ca ²⁺ -dependent release. <i>EMBO Journal</i> , 2012, 31, 3270-3281.	3.5	85
34	Structure of the immature retroviral capsid at 8Å resolution by cryo-electron microscopy. <i>Nature</i> , 2012, 487, 385-389.	13.7	152
35	Structural dissection of Ebola virus and its assembly determinants using cryo-electron tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4275-4280.	3.3	210
36	Cryo-Electron Tomography of Marburg Virus Particles and Their Morphogenesis within Infected Cells. <i>PLoS Biology</i> , 2011, 9, e1001196.	2.6	125

#	ARTICLE	IF	CITATIONS
37	A β -barrel built by the combination of fragments from different folds. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9942-9947.	3.3	61