

Debnath Ghosal

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

755
citations

623734

14
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

829
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In situ</i> structure of the <i>Legionella</i> Dot/Icm type IV secretion system by electron cryotomography. <i>EMBO Reports</i> , 2017, 18, 726-732.	4.5	101
2	In Vivo Structures of the <i>Helicobacter pylori</i> cag Type IV Secretion System. <i>Cell Reports</i> , 2018, 23, 673-681.	6.4	80
3	Molecular architecture, polar targeting and biogenesis of the <i>Legionella</i> Dot/Icm T4SS. <i>Nature Microbiology</i> , 2019, 4, 1173-1182.	13.3	80
4	MinCD cell division proteins form alternating copolymeric cytomotive filaments. <i>Nature Communications</i> , 2014, 5, 5341.	12.8	64
5	Short FtsZ filaments can drive asymmetric cell envelope constriction at the onset of bacterial cytokinesis. <i>EMBO Journal</i> , 2017, 36, 1577-1589.	7.8	55
6	Polar delivery of <i>Legionella</i> type IV secretion system substrates is essential for virulence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8077-8082.	7.1	55
7	<i>In situ</i> imaging of the bacterial flagellar motor disassembly and assembly processes. <i>EMBO Journal</i> , 2019, 38, e100957.	7.8	43
8	In vivo structure of the <i>Legionella</i> type II secretion system by electron cryotomography. <i>Nature Microbiology</i> , 2019, 4, 2101-2108.	13.3	43
9	The presence and absence of periplasmic rings in bacterial flagellar motors correlates with stator type. <i>ELife</i> , 2019, 8, .	6.0	36
10	Morphology of the archaeellar motor and associated cytoplasmic cone in <i>Thermococcus kodakaraensis</i> . <i>EMBO Reports</i> , 2017, 18, 1660-1670.	4.5	34
11	KAP, the Accessory Subunit of Kinesin-2, Binds the Predicted Coiled-Coil Stalk of the Motor Subunits. <i>Biochemistry</i> , 2009, 48, 2248-2260.	2.5	31
12	Structure of the Bacterial Cellulose Ribbon and Its Assembly-Guiding Cytoskeleton by Electron Cryotomography. <i>Journal of Bacteriology</i> , 2021, 203, .	2.2	31
13	Collaborative protein filaments. <i>EMBO Journal</i> , 2015, 34, 2312-2320.	7.8	30
14	Interaction with a Kinesin Tail Propels Choline Acetyltransferase Flow Towards Synapse. <i>Traffic</i> , 2012, 13, 979-991.	2.7	20
15	From cells to atoms: Cryo-EM as an essential tool to investigate pathogen biology, host-pathogen interaction, and drug discovery. <i>Molecular Microbiology</i> , 2022, 117, 610-617.	2.5	11
16	The C-terminal tails of heterotrimeric kinesin motor subunits directly bind to \pm tubulin1: Possible implications for cilia-specific tubulin entry. <i>Traffic</i> , 2017, 18, 123-133.	2.7	10
17	In Situ Imaging and Structure Determination of Biomolecular Complexes Using Electron Cryo-Tomography. <i>Methods in Molecular Biology</i> , 2021, 2215, 83-111.	0.9	9
18	Structure of Human TMPRSS2 in Complex with SARS-CoV-2 Spike Glycoprotein and Implications for Potential Therapeutics. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5324-5333.	4.6	9

#	ARTICLE	IF	CITATIONS
19	In Situ Imaging and Structure Determination of Bacterial Toxin Delivery Systems Using Electron Cryotomography. <i>Methods in Molecular Biology</i> , 2019, 1921, 249-265.	0.9	7
20	Three-dimensional insights into human enveloped viruses <i>in vitro</i> and <i>in situ</i> . <i>Biochemical Society Transactions</i> , 2022, 50, 95-105.	3.4	3