

Catherine M Oikonomou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8288120/publications.pdf>

Version: 2024-02-01

19
papers

626
citations

840776

11
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

822
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular Electron Cryotomography: Toward Structural Biology In Situ. Annual Review of Biochemistry, 2017, 86, 873-896.	11.1	138
2	A new view into prokaryotic cell biology from electron cryotomography. Nature Reviews Microbiology, 2016, 14, 205-220.	28.6	86
3	Short FtsZ filaments can drive asymmetric cell envelope constriction at the onset of bacterial cytokinesis. EMBO Journal, 2017, 36, 1577-1589.	7.8	55
4	Uncharacterized Bacterial Structures Revealed by Electron Cryotomography. Journal of Bacteriology, 2017, 199, .	2.2	49
5	<i>In situ</i> imaging of the bacterial flagellar motor disassembly and assembly processes. EMBO Journal, 2019, 38, e100957.	7.8	43
6	ETDB-Caltech: A blockchain-based distributed public database for electron tomography. PLoS ONE, 2019, 14, e0215531.	2.5	37
7	The presence and absence of periplasmic rings in bacterial flagellar motors correlates with stator type. ELife, 2019, 8, .	6.0	36
8	Morphology of the archaeellar motor and associated cytoplasmic cone in <i>Thermococcus kodakaraensis</i> . EMBO Reports, 2017, 18, 1660-1670.	4.5	34
9	The Caltech Tomography Database and Automatic Processing Pipeline. Journal of Structural Biology, 2015, 192, 279-286.	2.8	32
10	Distinguishing signal from autofluorescence in cryogenic correlated light and electron microscopy of mammalian cells. Journal of Structural Biology, 2018, 201, 15-25.	2.8	27
11	In situ imaging of bacterial outer membrane projections and associated protein complexes using electron cryo-tomography. ELife, 2021, 10, .	6.0	16
12	Electron Cryotomography of Bacterial Secretion Systems. Microbiology Spectrum, 2019, 7, .	3.0	13
13	A cryo-electron tomography workflow reveals protrusion-mediated shedding on injured plasma membrane. Science Advances, 2021, 7, .	10.3	13
14	Simulations suggest a constrictive force is required for Gram-negative bacterial cell division. Nature Communications, 2019, 10, 1259.	12.8	12
15	Novel transient cytoplasmic rings stabilize assembling bacterial flagellar motors. EMBO Journal, 2022, 41, e109523.	7.8	10
16	The development of cryo-EM and how it has advanced microbiology. Nature Microbiology, 2017, 2, 1577-1579.	13.3	8
17	<i>The Atlas of Bacterial & Archaeal Cell Structure</i> : an Interactive Open-Access Microbiology Textbook. Journal of Microbiology and Biology Education, 2021, 22, .	1.0	6
18	Simulations of Proposed Mechanisms of FtsZ-Driven Cell Constriction. Journal of Bacteriology, 2021, 203, .	2.2	5

#	ARTICLE	IF	CITATIONS
19	Electron Cryotomography of Bacterial Secretion Systems. , 0, , 1-12.		0