

Catherine M Oikonomou

List of Publications by Year in descending order

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

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19	Electron Cryotomography of Bacterial Secretion Systems. , 0, , 1-12.		0