

Mauricio Toro-Nahuelpan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/159418/publications.pdf>

Version: 2024-02-01

11
papers

295
citations

1162367

8
h-index

1281420

11
g-index

13
all docs

13
docs citations

13
times ranked

460
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring cryo-electron microscopy grids by photo-micropatterning for in-cell structural studies. <i>Nature Methods</i> , 2020, 17, 50-54.	9.0	67
2	MamY is a membrane-bound protein that aligns magnetosomes and the motility axis of helical magnetotactic bacteria. <i>Nature Microbiology</i> , 2019, 4, 1978-1989.	5.9	58
3	Segregation of prokaryotic magnetosomes organelles is driven by treadmilling of a dynamic actin-like MamK filament. <i>BMC Biology</i> , 2016, 14, 88.	1.7	48
4	Identification and Initial Characterization of Prophages in <i>Vibrio campbellii</i> . <i>PLoS ONE</i> , 2016, 11, e0156010.	1.1	26
5	<i>In Vivo</i> Coating of Bacterial Magnetic Nanoparticles by Magnetosome Expression of Spider Silk-Inspired Peptides. <i>Biomacromolecules</i> , 2018, 19, 962-972.	2.6	26
6	The Polar Organizing Protein PopZ Is Fundamental for Proper Cell Division and Segregation of Cellular Content in <i>Magnetospirillum gryphiswaldense</i> . <i>MBio</i> , 2019, 10, .	1.8	16
7	A bacterial cytolinker couples positioning of magnetic organelles to cell shape control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32086-32097.	3.3	16
8	A gradient-forming MipZ protein mediating the control of cell division in the magnetotactic bacterium <i>Magnetospirillum gryphiswaldense</i> . <i>Molecular Microbiology</i> , 2019, 112, 1423-1439.	1.2	12
9	High-yield Production, Characterization, and Functionalization of Recombinant Magnetosomes in the Synthetic Bacterium <i>Rhodospirillum rubrum</i> <i>Δ</i> mag. <i>Advanced Biology</i> , 2021, 5, e2101017.	1.4	12
10	The in vivo mechanics of the magnetotactic backbone as revealed by correlative FLIM-FRET and STED microscopy. <i>Scientific Reports</i> , 2019, 9, 19615.	1.6	7
11	In vivo Architecture of the Polar Organizing Protein Z (PopZ) Meshwork in the Alphaproteobacteria <i>Magnetospirillum gryphiswaldense</i> and <i>Caulobacter crescentus</i> . <i>Journal of Molecular Biology</i> , 2022, 434, 167423.	2.0	2