

Fabai Wu

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

1,057
citations

840776

11
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

1357
citing authors

#	ARTICLE	IF	CITATIONS
1	Treadmilling by FtsZ filaments drives peptidoglycan synthesis and bacterial cell division. <i>Science</i> , 2017, 355, 739-743.	12.6	503
2	Robustness and accuracy of cell division in <i>Escherichia coli</i> in diverse cell shapes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6957-6962.	7.1	104
3	Symmetry and scale orient Min protein patterns in shaped bacterial sculptures. <i>Nature Nanotechnology</i> , 2015, 10, 719-726.	31.5	90
4	Nanofabricated structures and microfluidic devices for bacteria: from techniques to biology. <i>Chemical Society Reviews</i> , 2016, 45, 268-280.	38.1	71
5	Multistability and dynamic transitions of intracellular Min protein patterns. <i>Molecular Systems Biology</i> , 2016, 12, 873.	7.2	54
6	Direct imaging of the circular chromosome in a live bacterium. <i>Nature Communications</i> , 2019, 10, 2194.	12.8	48
7	Cell Boundary Confinement Sets the Size and Position of the <i>E. coli</i> Chromosome. <i>Current Biology</i> , 2019, 29, 2131-2144.e4.	3.9	47
8	Methanotrophic bacterial symbionts fuel dense populations of deep-sea feather duster worms (Sabellida, Annelida) and extend the spatial influence of methane seepage. <i>Science Advances</i> , 2020, 6, eaay8562.	10.3	39
9	Multi-color imaging of the bacterial nucleoid and division proteins with blue, orange, and near-infrared fluorescent proteins. <i>Frontiers in Microbiology</i> , 2015, 6, 607.	3.5	32
10	Unique mobile elements and scalable gene flow at the prokaryote-eukaryote boundary revealed by circularized Asgard archaea genomes. <i>Nature Microbiology</i> , 2022, 7, 200-212.	13.3	29
11	Proliferation and osteogenesis of immortalized bone marrow-derived mesenchymal stem cells in porous polylactic glycolic acid scaffolds under perfusion culture. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 817-829.	4.0	27