

Tristan Ursell

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,506
citations

840776

11
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

2290
citing authors

#	ARTICLE	IF	CITATIONS
1	Structured environments foster competitor coexistence by manipulating interspecies interfaces. PLoS Computational Biology, 2021, 17, e1007762.	3.2	6
2	Steric scattering of rod-like swimmers in low Reynolds number environments. Soft Matter, 2021, 17, 2479-2489.	2.7	3
3	Bacterial surface motility is modulated by colony-scale flow and granular jamming. Journal of the Royal Society Interface, 2020, 17, 20200147.	3.4	10
4	Structured environments fundamentally alter dynamics and stability of ecological communities. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 379-388.	7.1	77
5	Rapid, precise quantification of bacterial cellular dimensions across a genomic-scale knockout library. BMC Biology, 2017, 15, 17.	3.8	123
6	Maintenance of Motility Bias during Cyanobacterial Phototaxis. Biophysical Journal, 2015, 108, 1623-1632.	0.5	23
7	The contractile ring coordinates curvature-dependent septum assembly during fission yeast cytokinesis. Molecular Biology of the Cell, 2015, 26, 78-90.	2.1	58
8	Systematic Perturbation of Cytoskeletal Function Reveals a Linear Scaling Relationship between Cell Geometry and Fitness. Cell Reports, 2014, 9, 1528-1537.	6.4	61
9	Principles of Bacterial Cell-Size Determination Revealed by Cell-Wall Synthesis Perturbations. Cell Reports, 2014, 9, 1520-1527.	6.4	43
10	<i>De novo</i> morphogenesis in <i>Escherichia coli</i> forms via geometric control of cell growth. Molecular Microbiology, 2014, 93, 883-896.	2.5	68
11	Motility Enhancement through Surface Modification Is Sufficient for Cyanobacterial Community Organization during Phototaxis. PLoS Computational Biology, 2013, 9, e1003205.	3.2	33
12	Lipid Bilayer Mechanics in a Pipette with Glass-Bilayer Adhesion. Biophysical Journal, 2011, 101, 1913-1920.	0.5	27
13	Emerging roles for lipids in shaping membrane-protein function. Nature, 2009, 459, 379-385.	27.8	865
14	Cooperative Gating and Spatial Organization of Membrane Proteins through Elastic Interactions. PLoS Computational Biology, 2007, 3, e81.	3.2	105