Tristan Ursell

List of Publications by Year
in descending order

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	Emerging roles for lipids in shaping membrane-protein function. Nature, 2009, 459, 379-385.	27.8	865
2	Rapid, precise quantification of bacterial cellular dimensions across a genomic-scale knockout library. BMC Biology, 2017, 15, 17.	3.8	123
3	Cooperative Gating and Spatial Organization of Membrane Proteins through Elastic Interactions. PLoS Computational Biology, 2007, 3, e81.	3.2	105
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	De novo morphogenesis in <scp>L</scp>â€forms via geometric control of cell growth. Molecular Microbiology, 2014, 93, 883-896.	2.5	68
6	Systematic Perturbation of Cytoskeletal Function Reveals a Linear Scaling Relationship between Cell Geometry and Fitness. Cell Reports, 2014, 9, 1528-1537.	6.4	61
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	Principles of Bacterial Cell-Size Determination Revealed by Cell-Wall Synthesis Perturbations. Cell Reports, 2014, 9, 1520-1527.	6.4	43
9	Motility Enhancement through Surface Modification Is Sufficient for Cyanobacterial Community Organization during Phototaxis. PLoS Computational Biology, 2013, 9, e1003205.	3.2	33
10	Lipid Bilayer Mechanics in a Pipette with Glass-Bilayer Adhesion. Biophysical Journal, 2011, 101, 1913-1920.	0.5	27
11	Maintenance of Motility Bias during Cyanobacterial Phototaxis. Biophysical Journal, 2015, 108, 1623-1632.	0.5	23
12	Bacterial surface motility is modulated by colony-scale flow and granular jamming. Journal of the Royal Society Interface, 2020, 17, 20200147.	3.4	10
13	Structured environments foster competitor coexistence by manipulating interspecies interfaces. PLoS Computational Biology, 2021, 17, e1007762.	3.2	6
14	Steric scattering of rod-like swimmers in low Reynolds number environments. Soft Matter, 2021, 17, 2479-2489.	2.7	3