

# Benjamin P Bratton

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7721019/publications.pdf>

Version: 2024-02-01

25  
papers

1,302  
citations

567281

15  
h-index

794594

19  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1643  
citing authors

#	ARTICLE	IF	CITATIONS
1	<a href="#">Pseudomonas aeruginosa detachment from surfaces via a self-made small molecule. Journal of Biological Chemistry, 2021, 296, 100279.</a>	3.4	7
2	<a href="#">CrvA and CrvB form a curvature-inducing module sufficient to induce cell-shape complexity in Gram-negative bacteria. Nature Microbiology, 2021, 6, 910-920.</a>	13.3	11
3	<a href="#">A Dual-Mechanism Antibiotic Kills Gram-Negative Bacteria and Avoids Drug Resistance. Cell, 2020, 181, 1518-1532.e14.</a>	28.9	202
4	<a href="#">Geometric Enrichment of Enhanced Cell Wall Synthesis and Cytoskeletal Proteins in Straight, Curved, and Helical Rods. Biophysical Journal, 2020, 118, 128a.</a>	0.5	0
5	<a href="#">Distinct cytoskeletal proteins define zones of enhanced cell wall synthesis in Helicobacter pylori. ELife, 2020, 9, .</a>	6.0	51
6	<a href="#">Microfluidic-based transcriptomics reveal force-independent bacterial rheosensing. Nature Microbiology, 2019, 4, 1274-1281.</a>	13.3	53
7	<a href="#">Three-dimensional Imaging of Bacterial Cells for Accurate Cellular Representations and Precise Protein Localization. Journal of Visualized Experiments, 2019, , .</a>	0.3	2
8	<a href="#">How to Build a Bacterial Cell: MreB as the Foreman of E. coli Construction. Cell, 2018, 172, 1294-1305.</a>	28.9	144
9	<a href="#">MreB polymers and curvature localization are enhanced by RodZ and predict E. coli's cylindrical uniformity. Nature Communications, 2018, 9, 2797.</a>	12.8	48
10	<a href="#">A gated relaxation oscillator mediated by FrzX controls morphogenetic movements in Myxococcus xanthus. Nature Microbiology, 2018, 3, 948-959.</a>	13.3	44
11	<a href="#">A Periplasmic Polymer Curves Vibrio cholerae and Promotes Pathogenesis. Cell, 2017, 168, 172-185.e15.</a>	28.9	78
12	<a href="#">The effect of antibiotics on protein diffusion in the Escherichia coli cytoplasmic membrane. PLoS ONE, 2017, 12, e0185810.</a>	2.5	0
13	<a href="#">MreB Orientation Correlates with Cell Diameter in Escherichia coli. Biophysical Journal, 2016, 111, 1035-1043.</a>	0.5	88
14	<a href="#">Colocalization of distant chromosomal loci in space in E. coli: a bacterial nucleolus. Genes and Development, 2016, 30, 2272-2285.</a>	5.9	51
15	<a href="#">Biophysical Measurements of Bacterial Cell Shape. Methods in Molecular Biology, 2016, 1440, 227-245.</a>	0.9	2
16	<a href="#">MreB Senses Local Gaussian Curvature to Pattern Rod-Like Growth of the Bacterial Cell Wall. Biophysical Journal, 2016, 110, 163a.</a>	0.5	0
17	<a href="#">RodZ links MreB to cell wall synthesis to mediate MreB rotation and robust morphogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12510-12515.</a>	7.1	129
18	<a href="#">Simple Experimental Methods for Determining the Apparent Focal Shift in a Microscope System. PLoS ONE, 2015, 10, e0134616.</a>	2.5	16

#	ARTICLE	IF	CITATIONS
19	Nonperturbative Imaging of Nucleoid Morphology in Live Bacterial Cells during an Antimicrobial Peptide Attack. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4977-4986.	3.1	48
20	Entropy-Based Mechanism of Ribosome-Nucleoid Segregation in <i>E. coli</i> Cells. <i>Biophysical Journal</i> , 2011, 100, 2605-2613.	0.5	96
21	Subdiffraction-Limit Study of Kaede Diffusion and Spatial Distribution in Live <i>Escherichia coli</i> . <i>Biophysical Journal</i> , 2011, 101, 2535-2544.	0.5	67
22	Spatial Distribution and Diffusive Motion of RNA Polymerase in Live <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2011, 193, 5138-5146.	2.2	45
23	Cytoplasmic Protein Mobility in Osmotically Stressed <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2009, 191, 231-237.	2.2	99
24	Protein Diffusion in the <i>E. coli</i> Cytoplasm and Periplasm under Osmotic Stress. <i>Biophysical Journal</i> , 2009, 96, 30a-31a.	0.5	0
25	Dynamic Spatial Distribution of RNA Polymerase in Live <i>E. coli</i> . <i>Biophysical Journal</i> , 2009, 96, 33a.	0.5	0