

Somenath Bakshi

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,227
citations

567281

15
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

1520
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges of analysing stochastic gene expression in bacteria using single-cell time-lapse experiments. <i>Essays in Biochemistry</i> , 2021, 65, 67-79.	4.7	13
2	Bacterial persisters are a stochastically formed subpopulation of low-energy cells. <i>PLoS Biology</i> , 2021, 19, e3001194.	5.6	85
3	Tracking bacterial lineages in complex and dynamic environments with applications for growth control and persistence. <i>Nature Microbiology</i> , 2021, 6, 783-791.	13.3	59
4	Bacterial variability in the mammalian gut captured by a single-cell synthetic oscillator. <i>Nature Communications</i> , 2019, 10, 4665.	12.8	54
5	Stochastic antagonism between two proteins governs a bacterial cell fate switch. <i>Science</i> , 2019, 366, 116-120.	12.6	44
6	Quantification of very low-abundant proteins in bacteria using the HaloTag and epi-fluorescence microscopy. <i>Scientific Reports</i> , 2019, 9, 7902.	3.3	24
7	Single-cell microscopy of suspension cultures using a microfluidics-assisted cell screening platform. <i>Nature Protocols</i> , 2018, 13, 170-194.	12.0	21
8	Mechanical slowing-down of cytoplasmic diffusion allows in vivo counting of proteins in individual cells. <i>Nature Communications</i> , 2016, 7, 11641.	12.8	46
9	The spatial biology of transcription and translation in rapidly growing <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 636.	3.5	93
10	Time-dependent effects of transcription and translation halting drugs on the spatial distributions of the <i>Escherichia coli</i> chromosome and ribosomes. <i>Molecular Microbiology</i> , 2014, 94, 871-887.	2.5	89
11	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
12	Partitioning of RNA Polymerase Activity in Live <i>Escherichia coli</i> from Analysis of Single-Molecule Diffusive Trajectories. <i>Biophysical Journal</i> , 2013, 105, 2676-2686.	0.5	66
13	Divin: A Small Molecule Inhibitor of Bacterial Divisome Assembly. <i>Journal of the American Chemical Society</i> , 2013, 135, 9768-9776.	13.7	17
14	Localized Permeabilization of <i>E. coli</i> Membranes by the Antimicrobial Peptide Cecropin A. <i>Biochemistry</i> , 2013, 52, 6584-6594.	2.5	80
15	Superresolution imaging of ribosomes and RNA polymerase in live <i>Escherichia coli</i> cells. <i>Molecular Microbiology</i> , 2012, 85, 21-38.	2.5	413
16	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