

Heejun Choi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3035624/publications.pdf>

Version: 2024-02-01

21
papers

2,134
citations

430874

18
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

3903
citing authors

#	ARTICLE	IF	CITATIONS
1	Bright photoactivatable fluorophores for single-molecule imaging. <i>Nature Methods</i> , 2016, 13, 985-988.	19.0	338
2	RNA Granules Hitchhike on Lysosomes for Long-Distance Transport, Using Annexin A11 as a Molecular Tether. <i>Cell</i> , 2019, 179, 147-164.e20.	28.9	327
3	mTOR-dependent phosphorylation controls TFEB nuclear export. <i>Nature Communications</i> , 2018, 9, 3312.	12.8	271
4	A general method to optimize and functionalize red-shifted rhodamine dyes. <i>Nature Methods</i> , 2020, 17, 815-821.	19.0	155
5	Single-cell, real-time detection of oxidative stress induced in <i>Escherichia coli</i> by the antimicrobial peptide CM15. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E303-10.	7.1	124
6	De novo design of tunable, pH-driven conformational changes. <i>Science</i> , 2019, 364, 658-664.	12.6	109
7	A General Method to Improve Fluorophores Using Deuterated Auxochromes. <i>Jacs Au</i> , 2021, 1, 690-696.	7.9	106
8	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
9	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
10	Quartz Crystal Microbalance with Dissipation Monitoring and Surface Plasmon Resonance Studies of Carboxymethyl Cellulose Adsorption onto Regenerated Cellulose Surfaces. <i>Langmuir</i> , 2011, 27, 8718-8728.	3.5	78
11	Melittin-Induced Permeabilization, Re-sealing, and Re-permeabilization of <i>E. coli</i> Membranes. <i>Biophysical Journal</i> , 2018, 114, 368-379.	0.5	68
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	Lights, Camera, Action! Antimicrobial Peptide Mechanisms Imaged in Space and Time. <i>Trends in Microbiology</i> , 2016, 24, 111-122.	7.7	63
14	Oxidative stress induced in <i>E. coli</i> by the human antimicrobial peptide LL-37. <i>PLoS Pathogens</i> , 2017, 13, e1006481.	4.7	56
15	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
16	Single-Cell, Time-Resolved Antimicrobial Effects of a Highly Cationic, Random Nylon-3 Copolymer on Live <i>Escherichia coli</i> . <i>ACS Chemical Biology</i> , 2016, 11, 113-120.	3.4	44
17	Medium Effects on Minimum Inhibitory Concentrations of Nylon-3 Polymers against <i>E. coli</i> . <i>PLoS ONE</i> , 2014, 9, e104500.	2.5	40
18	Spatial Distribution and Ribosome-Binding Dynamics of EF-P in Live <i>Escherichia coli</i> . <i>MBio</i> , 2017, 8, .	4.1	25

#	ARTICLE	IF	CITATIONS
19	Single-Cell, Time-Lapse Reactive Oxygen Species Detection in <i>E. coli</i> . <i>Current Protocols in Cell Biology</i> , 2018, 80, e60.	2.3	7
20	FLIM Imaging for Metabolic Studies in Live Cells. <i>Methods in Molecular Biology</i> , 2021, 2304, 339-346.	0.9	2
21	Single Molecule Tracking of Elongation Factor Tu (EF-Tu) in Live <i>E. Coli</i> . <i>Biophysical Journal</i> , 2014, 106, 493a.	0.5	0