Henrik Strahl

List of Publications by Year
in descending order

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33 papers	3,106 citations	257450 24 h-index	361022 35 g-index
44 all docs	44 docs citations	44 times ranked	4338 citing authors

#	Article	IF	Citations
1	Regulation of para-cresol production in Clostridioides difficile. Current Opinion in Microbiology, 2022, 65, 131-137.	5.1	1
2	Low membrane fluidity triggers lipid phase separation and protein segregation in living bacteria. EMBO Journal, 2022, 41, e109800.	7.8	52
3	A hyperpromiscuous antitoxin protein domain for the neutralization of diverse toxin domains. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	22
4	Disruption of the Cytoplasmic Membrane Structure and Barrier Function Underlies the Potent Antiseptic Activity of Octenidine in Gram-Positive Bacteria. Applied and Environmental Microbiology, 2022, 88, e0018022.	3.1	9
5	A membrane-depolarizing toxin substrate of the Staphylococcus aureus type VII secretion system mediates intraspecies competition. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20836-20847.	7.1	57
6	A widespread toxinâ^'antitoxin system exploiting growth control via alarmone signaling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10500-10510.	7.1	81
7	The Epipeptide YydF Intrinsically Triggers the Cell Envelope Stress Response of Bacillus subtilis and Causes Severe Membrane Perturbations. Frontiers in Microbiology, 2020, 11, 151.	3.5	29
8	Metabolism of multiple glycosaminoglycans by Bacteroides thetaiotaomicron is orchestrated by a versatile core genetic locus. Nature Communications, 2020, 11, 646.	12.8	58
9	Extreme slow growth as alternative strategy to survive deep starvation in bacteria. Nature Communications, 2019, 10, 890.	12.8	153
10	A family of Type VI secretion system effector proteins that form ion-selective pores. Nature Communications, 2019, 10, 5484.	12.8	57
11	ABCF ATPases Involved in Protein Synthesis, Ribosome Assembly and Antibiotic Resistance: Structural and Functional Diversification across the Tree of Life. Journal of Molecular Biology, 2019, 431, 3568-3590.	4.2	90
12	Membrane Curvature and the Tol-Pal Complex Determine Polar Localization of the Chemoreceptor Tar in Escherichia coli. Journal of Bacteriology, 2018, 200, .	2.2	12
13	Segregation of mitochondrial DNA heteroplasmy through a developmental genetic bottleneck in human embryos. Nature Cell Biology, 2018, 20, 144-151.	10.3	182
14	Mode of Action and Heterologous Expression of the Natural Product Antibiotic Vancoresmycin. ACS Chemical Biology, 2018, 13, 207-214.	3.4	50
15	The type VI secretion system deploys antifungal effectors against microbial competitors. Nature Microbiology, 2018, 3, 920-931.	13.3	199
16	The Gram-positive model organism Bacillus subtilis does not form microscopically detectable cardiolipin-specific lipid domains. Microbiology (United Kingdom), 2018, 164, 475-482.	1.8	15
17	Assessing Membrane Fluidity and Visualizing Fluid Membrane Domains in Bacteria Using Fluorescent Membrane Dyes. Bio-protocol, 2018, 8, e3063.	0.4	31
18	Growth rate control of flagellar assembly in Escherichia coli strain RP437. Scientific Reports, 2017, 7, 41189.	3.3	45

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19	Antimicrobial peptide cWFW kills by combining lipid phase separation with autolysis. Scientific Reports, 2017, 7, 44332.	3.3	98
20	Bacterial Membranes: Structure, Domains, and Function. Annual Review of Microbiology, 2017, 71, 519-538.	7.3	178
21	Measurement of Cell Membrane Fluidity by Laurdan GP: Fluorescence Spectroscopy and Microscopy. Methods in Molecular Biology, 2017, 1520, 159-174.	0.9	47
22	Analysis of Antimicrobial-Triggered Membrane Depolarization Using Voltage Sensitive Dyes. Frontiers in Cell and Developmental Biology, 2016, 4, 29.	3.7	207
23	Daptomycin inhibits cell envelope synthesis by interfering with fluid membrane microdomains. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7077-E7086.	7.1	326
24	Against the mainstream: the membraneâ€associated type <scp>I</scp> toxin <scp>BsrG</scp> from <scp>B</scp>acillus subtilis interferes with cell envelope biosynthesis without increasing membrane permeability. Molecular Microbiology, 2015, 98, 651-666.	2.5	54
25	Membrane Recognition and Dynamics of the RNA Degradosome. PLoS Genetics, 2015, 11, e1004961.	3.5	93
26	The actin homologue MreB organizes the bacterial cell membrane. Nature Communications, 2014, 5, 3442.	12.8	223
27	Time-Delayed In Vivo Assembly of Subunit a into Preformed Escherichia coli FoF1 ATP Synthase. Journal of Bacteriology, 2013, 195, 4074-4084.	2.2	13
28	Structural and genetic analyses reveal the protein SepF as a new membrane anchor for the Z ring. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4601-10.	7.1	116
29	Finding the corners in a cell. Current Opinion in Microbiology, 2012, 15, 731-736.	5.1	31
30	Archaeal transcriptional regulation of the prokaryotic KdpFABC complex mediating K+ uptake in H. salinarum. Extremophiles, 2011, 15, 643-652.	2.3	11
31	Membrane potential is important for bacterial cell division. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12281-12286.	7.1	426
32	The extremely halophilic archaeon Halobacterium salinarum R1 responds to potassium limitation by expression of the K+-transporting KdpFABC P-type ATPase and by a decrease in intracellular K+. Extremophiles, 2008, 12, 741-752.	2.3	39
33	Localization of general and regulatory proteolysis in Bacillus subtilis cells. Molecular Microbiology, 2008, 70, 682-694.	2.5	48