

Hongbaek Cho

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,612
citations

687363

13
h-index

839539

18
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19
all docs

19
docs citations

19
times ranked

1956
citing authors

#	ARTICLE	IF	CITATIONS
1	Beta-Lactam Antibiotics Induce a Lethal Malfunctioning of the Bacterial Cell Wall Synthesis Machinery. <i>Cell</i> , 2014, 159, 1300-1311.	28.9	499
2	Bacterial cell wall biogenesis is mediated by SEDS and PBP polymerase families functioning semi-autonomously. <i>Nature Microbiology</i> , 2016, 1, 16172.	13.3	301
3	Nucleoid occlusion factor SlmA is a DNA-activated FtsZ polymerization antagonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3773-3778.	7.1	170
4	A central role for PBP2 in the activation of peptidoglycan polymerization by the bacterial cell elongation machinery. <i>PLoS Genetics</i> , 2018, 14, e1007726.	3.5	119
5	Identification of MltG as a potential terminase for peptidoglycan polymerization in bacteria. <i>Molecular Microbiology</i> , 2016, 99, 700-718.	2.5	99
6	The mecillinam resistome reveals a role for peptidoglycan endopeptidases in stimulating cell wall synthesis in <i>Escherichia coli</i> . <i>PLoS Genetics</i> , 2017, 13, e1006934.	3.5	88
7	VirA and VirG activate the Ti plasmid repABC operon, elevating plasmid copy number in response to wound-released chemical signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14843-14848.	7.1	82
8	Direct binding of the quorum sensing regulator CepR of <i>Burkholderia cenocepacia</i> to two target promoters in vitro. <i>Molecular Microbiology</i> , 2005, 57, 452-467.	2.5	52
9	Reconstitution of the Biochemical Activities of the AttJ Repressor and the AttK, AttL, and AttM Catabolic Enzymes of <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 2007, 189, 3674-3679.	2.2	52
10	Identification of the SlmA Active Site Responsible for Blocking Bacterial Cytokinetic Ring Assembly over the Chromosome. <i>PLoS Genetics</i> , 2013, 9, e1003304.	3.5	39
11	A viral protein antibiotic inhibits lipid II flippase activity. <i>Nature Microbiology</i> , 2017, 2, 1480-1484.	13.3	33
12	TraA, TraC and TraD autorepress two divergent quorum-regulated promoters near the transfer origin of the Ti plasmid of <i>Agrobacterium tumefaciens</i> . <i>Molecular Microbiology</i> , 2007, 63, 1769-1782.	2.5	29
13	The Role of Cytoskeletal Elements in Shaping Bacterial Cells. <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 307-316.	2.1	19
14	Transsexuality in the Rhizosphere: Quorum Sensing Reversibly Converts <i>Agrobacterium tumefaciens</i> from Phenotypically Female to Male. <i>Journal of Bacteriology</i> , 2009, 191, 3375-3383.	2.2	12
15	Identification of amino acid residues of the pheromone-binding domain of the transcription factor TraR that are required for positive control. <i>Molecular Microbiology</i> , 2009, 73, 341-351.	2.5	8
16	The Tol-Pal System Plays an Important Role in Maintaining Cell Integrity During Elongation in <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 891926.	3.5	6
17	Comparative analysis of the Colistin resistance-regulating gene cluster in <i>Klebsiella</i> species. <i>Journal of Microbiology</i> , 2022, 60, 461-468.	2.8	2
18	Structural analysis of the virulence gene protein IceA2 from <i>Helicobacter pylori</i> . <i>Biochemical and Biophysical Research Communications</i> , 2022, 612, 162-168.	2.1	2