

Byoung-Mo Koo

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,888
citations

567281

15
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

2332
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive, CRISPR-based Functional Analysis of Essential Genes in Bacteria. <i>Cell</i> , 2016, 165, 1493-1506.	28.9	593
2	Construction and Analysis of Two Genome-Scale Deletion Libraries for <i>Bacillus subtilis</i> . <i>Cell Systems</i> , 2017, 4, 291-305.e7.	6.2	457
3	MurJ and a novel lipid II flippase are required for cell wall biogenesis in <i>Bacillus subtilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6437-6442.	7.1	166
4	Enabling genetic analysis of diverse bacteria with Mobile-CRISPRi. <i>Nature Microbiology</i> , 2019, 4, 244-250.	13.3	163
5	Mismatch-CRISPRi Reveals the Co-varying Expression-Fitness Relationships of Essential Genes in <i>Escherichia coli</i> and <i>Bacillus subtilis</i> . <i>Cell Systems</i> , 2020, 11, 523-535.e9.	6.2	72
6	A Novel Fermentation/Respiration Switch Protein Regulated by Enzyme IIA ^{Glc} in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 31613-31621.	3.4	56
7	Requirement of the dephosphoform of enzyme IIA ^{Ntr} for derepression of <i>Escherichia coli</i> λ 2 <i>ilvBN</i> expression. <i>Molecular Microbiology</i> , 2005, 58, 334-344.	2.5	49
8	Dissection of recognition determinants of <i>Escherichia coli</i> λ f ³² suggests a composite λ ¹⁰ region with an λ ¹⁰ extended λ ¹⁰ ™ motif and a core λ ¹⁰ element. <i>Molecular Microbiology</i> , 2009, 72, 815-829.	2.5	44
9	Reduced capacity of alternative λ f ^s to melt promoters ensures stringent promoter recognition. <i>Genes and Development</i> , 2009, 23, 2426-2436.	5.9	42
10	Convergence of the Transcriptional Responses to Heat Shock and Singlet Oxygen Stresses. <i>PLoS Genetics</i> , 2012, 8, e1002929.	3.5	42
11	High-throughput bacterial functional genomics in the sequencing era. <i>Current Opinion in Microbiology</i> , 2015, 27, 86-95.	5.1	35
12	Identification of Two Phosphate Starvation-induced Wall Teichoic Acid Hydrolases Provides First Insights into the Degradative Pathway of a Key Bacterial Cell Wall Component. <i>Journal of Biological Chemistry</i> , 2016, 291, 26066-26082.	3.4	34
13	Mutational analysis of <i>Escherichia coli</i> λ f ²⁸ and its target promoters reveals recognition of a composite λ ¹⁰ region, comprised of an λ ¹⁰ extended λ ¹⁰ ™ motif and a core λ ¹⁰ element. <i>Molecular Microbiology</i> , 2009, 72, 830-843.	2.5	33
14	Topoisomerase IV can functionally replace all type 1A topoisomerases in <i>Bacillus subtilis</i> . <i>Nucleic Acids Research</i> , 2019, 47, 5231-5242.	14.5	29
15	Marine Mammal Microbiota Yields Novel Antibiotic with Potent Activity Against <i>Clostridium difficile</i> . <i>ACS Infectious Diseases</i> , 2018, 4, 59-67.	3.8	22
16	Resistance to serine in <i>Bacillus subtilis</i> : identification of the serine transporter <i>YbeC</i> and of a metabolic network that links serine and threonine metabolism. <i>Environmental Microbiology</i> , 2020, 22, 3937-3949.	3.8	16
17	A mammalian insulysin homolog is regulated by enzyme IIA ^{Glc} of the glucose transport system in <i>Vibrio vulnificus</i> . <i>FEBS Letters</i> , 2010, 584, 4537-4544.	2.8	13
18	Topography of the Surface of the <i>Escherichia coli</i> Phosphotransferase System Protein Enzyme IIA ^{Glc} that Interacts with Lactose Permease. <i>Biochemistry</i> , 2000, 39, 2931-2939.	2.5	12