

Chang-Ro Lee

List of Publications by Year in descending order

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44
papers

3,303
citations

257450

24
h-index

254184

43
g-index

45
all docs

45
docs citations

45
times ranked

4698
citing authors

#	ARTICLE	IF	CITATIONS
1	Biology of <i>Acinetobacter baumannii</i> : Pathogenesis, Antibiotic Resistance Mechanisms, and Prospective Treatment Options. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 55.	3.9	671
2	Global Dissemination of Carbapenemase-Producing <i>Klebsiella pneumoniae</i> : Epidemiology, Genetic Context, Treatment Options, and Detection Methods. <i>Frontiers in Microbiology</i> , 2016, 7, 895.	3.5	528
3	Strategies to Minimize Antibiotic Resistance. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 4274-4305.	2.6	308
4	Antimicrobial Resistance of Hypervirulent <i>Klebsiella pneumoniae</i> : Epidemiology, Hypervirulence-Associated Determinants, and Resistance Mechanisms. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 483.	3.9	299
5	Distinct Roles of Outer Membrane Porins in Antibiotic Resistance and Membrane Integrity in <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 953.	3.5	201
6	Structural Basis for Carbapenem-Hydrolyzing Mechanisms of Carbapenemases Conferring Antibiotic Resistance. <i>International Journal of Molecular Sciences</i> , 2015, 16, 9654-9692.	4.1	129
7	<i>Escherichia coli</i> enzyme IANtr regulates the K ⁺ transporter TrkA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4124-4129.	7.1	120
8	Selective Fluorescent Chemosensor for the Bacterial Alarmone (p)ppGpp. <i>Journal of the American Chemical Society</i> , 2008, 130, 784-785.	13.7	96
9	Educational Effectiveness, Target, and Content for Prudent Antibiotic Use. <i>BioMed Research International</i> , 2015, 2015, 1-13.	1.9	70
10	Antimicrobial Agents That Inhibit the Outer Membrane Assembly Machines of Gram-Negative Bacteria. <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 1-10.	2.1	61
11	A Novel Fermentation/Respiration Switch Protein Regulated by Enzyme IAGlc in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 31613-31621.	3.4	56
12	Potassium mediates <i>Escherichia coli</i> enzyme IIA ^{Ntr} -dependent regulation of sigma factor selectivity. <i>Molecular Microbiology</i> , 2010, 78, 1468-1483.	2.5	56
13	Reciprocal regulation of the autophosphorylation of enzyme I ^{Ntr} by glutamine and α -ketoglutarate in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2013, 88, 473-485.	2.5	55
14	HPr antagonizes the anti- σ^{70} activity of Rsd in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 21142-21147.	7.1	51
15	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
16	Implications of agar and agarase in industrial applications of sustainable marine biomass. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2815-2832.	3.6	49
17	<i>Salmonella</i> pathogenicity island 2 expression negatively controlled by EIIA ^{Ntr} σ^{SsrB} interaction is required for <i>Salmonella</i> virulence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20506-20511.	7.1	48
18	Determination of protein phosphorylation by polyacrylamide gel electrophoresis. <i>Journal of Microbiology</i> , 2019, 57, 93-100.	2.8	35

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19	Quantitative proteomic view associated with resistance to clinically important antibiotics in Gram-positive bacteria: a systematic review. <i>Frontiers in Microbiology</i> , 2015, 6, 828.	3.5	33
20	Dephosphorylated NPr of the nitrogen PTS regulates lipid A biosynthesis by direct interaction with LpxD. <i>Biochemical and Biophysical Research Communications</i> , 2011, 409, 556-561.	2.1	30
21	Biochemical characterization of a novel cold-adapted GH39 β -agarase, AgaJ9, from an agar-degrading marine bacterium <i>Gayadomonas joobiniege</i> G7. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1965-1974.	3.6	30
22	The Importance of Porins and β -Lactamase in Outer Membrane Vesicles on the Hydrolysis of β -Lactam Antibiotics. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2822.	4.1	30
23	RppH-dependent pyrophosphohydrolysis of mRNAs is regulated by direct interaction with DapF in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2014, 42, 12746-12757.	14.5	27
24	Phosphorylation-Dependent Mobility Shift of Proteins on SDS-PAGE is Due to Decreased Binding of SDS. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 2063-2066.	1.9	27
25	Fine-tuning of amino sugar homeostasis by EIIANtr in <i>Salmonella Typhimurium</i> . <i>Scientific Reports</i> , 2016, 6, 33055.	3.3	26
26	Molecular characterization of <i>Streptomyces coelicolor</i> A(3) SCO6548 as a cellulose 1,4- β -cellobiosidase. <i>FEMS Microbiology Letters</i> , 2016, 363, fnv245.	1.8	23
27	Biochemical characterization of a novel cold-adapted agarotetraose-producing β -agarase, AgaWS5, from <i>Catenovulum sediminis</i> WS1-A. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8403-8411.	3.6	20
28	Cloning, Expression, and Biochemical Characterization of a Novel Acidic GH16 β -Agarase, AgaJ11, from <i>Gayadomonas joobiniege</i> G7. <i>Applied Biochemistry and Biotechnology</i> , 2017, 181, 961-971.	2.9	19
29	Dephosphorylated NPr is involved in an envelope stress response of <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2015, 161, 1113-1123.	1.8	18
30	Biochemical Characterization of a Novel GH86 β -Agarase Producing Neoagarohexaose from <i>Gayadomonas joobiniege</i> G7. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 284-292.	2.1	18
31	Genetic Evidence for Distinct Functions of Peptidoglycan Endopeptidases in <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 565767.	3.5	17
32	Identification and biochemical characterization of a novel cold-adapted 1,3- β -D-galactosidase, Ahg786, from <i>Gayadomonas joobiniege</i> G7. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8855-8866.	3.6	16
33	Polar landmark protein HubP recruits flagella assembly protein FapA under glucose limitation in <i>Vibrio vulnificus</i> . <i>Molecular Microbiology</i> , 2019, 112, 266-279.	2.5	14
34	Characterization of a Novel Neoagarobiose-Producing GH42 β -Agarase, AgaJ10, from <i>Gayadomonas joobiniege</i> G7. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 1-12.	2.9	14
35	Molecular Characterization of Xylobiose- and Xylopentaose-Producing β -1,4-Endoxylanase SCO5931 from <i>Streptomyces coelicolor</i> A3(2). <i>Applied Biochemistry and Biotechnology</i> , 2016, 180, 349-360.	2.9	10
36	Synthesis of Chalcone-Derived Heteroaromatics with Antibacterial Activities. <i>ChemistrySelect</i> , 2020, 5, 12421-12424.	1.5	8

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37	The inner membrane protein LapB is required for adaptation to cold stress in an LpxC-independent manner. <i>Journal of Microbiology</i> , 2021, 59, 666-674.	2.8	8
38	Increased expression of genes involved in uptake and degradation of murein tripeptide under nitrogen starvation in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2016, 363, fnw136.	1.8	6
39	Phenotypic characterization of a conserved inner membrane protein YhcB in <i>Escherichia coli</i> . <i>Journal of Microbiology</i> , 2020, 58, 598-605.	2.8	6
40	Divergent Effects of Peptidoglycan Carboxypeptidase DacA on Intrinsic β -Lactam and Vancomycin Resistance. <i>Microbiology Spectrum</i> , 0, , .	3.0	6
41	Effect of the RNA pyrophosphohydrolase RppH on envelope integrity in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	5
42	Molecular characterization of SCO0765 as a cellotriose releasing endo- β -1,4-cellulase from <i>Streptomyces coelicolor</i> A(3). <i>Journal of Microbiology</i> , 2016, 54, 626-631.	2.8	4
43	Molecular Characterization of a Novel 1,3- β -3,6-Anhydro-L-Galactosidase, Ahg943, with Cold- and High-Salt-Tolerance from <i>Gayadomonas joobiniege</i> G7. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 1659-1669.	2.1	4
44	Comment on: Current initiatives to improve prudent antibiotic use amongst school-aged children. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 1726-1727.	3.0	1