Chang-Ro Lee

List of Publications by Year
in descending order

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	The inner membrane protein LapB is required for adaptation to cold stress in an LpxC-independent manner. Journal of Microbiology, 2021, 59, 666-674.	2.8	8
2	Genetic Evidence for Distinct Functions of Peptidoglycan Endopeptidases in Escherichia coli. Frontiers in Microbiology, 2020, 11, 565767.	3.5	17
3	Synthesis of Chalconeâ€Derived Heteroaromatics with Antibacterial Activities. ChemistrySelect, 2020, 5, 12421-12424.	1.5	8
4	Phenotypic characterization of a conserved inner membrane protein YhcB in Escherichia coli. Journal of Microbiology, 2020, 58, 598-605.	2.8	6
5	Implications of agar and agarase in industrial applications of sustainable marine biomass. Applied Microbiology and Biotechnology, 2020, 104, 2815-2832.	3.6	49
6	The Importance of Porins and Î²-Lactamase in Outer Membrane Vesicles on the Hydrolysis of Î²-Lactam Antibiotics. International Journal of Molecular Sciences, 2020, 21, 2822.	4.1	30
7	Molecular Characterization of a Novel 1,3-Î±-3,6-Anhydro-L-Galactosidase, Ahg943, with Cold- and High-Salt-Tolerance from Gayadomonas joobiniege G7. Journal of Microbiology and Biotechnology, 2020, 30, 1659-1669.	2.1	4
8	Biochemical characterization of a novel cold-adapted agarotetraose-producing Î±-agarase, AgaWS5, from Catenovulum sediminis WS1-A. Applied Microbiology and Biotechnology, 2019, 103, 8403-8411.	3.6	20
9	Distinct Roles of Outer Membrane Porins in Antibiotic Resistance and Membrane Integrity in Escherichia coli. Frontiers in Microbiology, 2019, 10, 953.	3.5	201
10	Polar landmark protein HubP recruits flagella assembly protein FapA under glucose limitation in Vibrio vulnificus. Molecular Microbiology, 2019, 112, 266-279.	2.5	14
11	Characterization of a Novel Neoagarobiose-Producing GH42 Î²-Agarase, AgaJ10, from Gayadomonas joobiniege G7. Applied Biochemistry and Biotechnology, 2019, 189, 1-12.	2.9	14
12	Determination of protein phosphorylation by polyacrylamide gel electrophoresis. Journal of Microbiology, 2019, 57, 93-100.	2.8	35
13	Antimicrobial Agents That Inhibit the Outer Membrane Assembly Machines of Gram-Negative Bacteria. Journal of Microbiology and Biotechnology, 2019, 29, 1-10.	2.1	61
14	Identification and biochemical characterization of a novel cold-adapted 1,3-Î±-3,6-anhydro-l-galactosidase, Ahg786, from Gayadomonas joobiniege G7. Applied Microbiology and Biotechnology, 2018, 102, 8855-8866.	3.6	16
15	Biochemical Characterization of a Novel GH86 ï¿½ï¿½-Agarase Producing Neoagarohexaose from Gayadomonas joobiniege G7. Journal of Microbiology and Biotechnology, 2018, 28, 284-292.	2.1	18
16	Effect of the RNA pyrophosphohydrolase RppH on envelope integrity in Escherichia coli. FEMS Microbiology Letters, 2017, 364, .	1.8	5
17	Biochemical characterization of a novel cold-adapted GH39 Î²-agarase, AgaJ9, from an agar-degrading marine bacterium Gayadomonas joobiniege G7. Applied Microbiology and Biotechnology, 2017, 101, 1965-1974.	3.6	30
18	Cloning, Expression, and Biochemical Characterization of a Novel Acidic GH16 Î²-Agarase, AgaJ11, from Gayadomonas joobiniege G7. Applied Biochemistry and Biotechnology, 2017, 181, 961-971.	2.9	19

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19	Biology of Acinetobacter baumannii: Pathogenesis, Antibiotic Resistance Mechanisms, and Prospective Treatment Options. Frontiers in Cellular and Infection Microbiology, 2017, 7, 55.	3.9	671
20	Antimicrobial Resistance of Hypervirulent Klebsiella pneumoniae: Epidemiology, Hypervirulence-Associated Determinants, and Resistance Mechanisms. Frontiers in Cellular and Infection Microbiology, 2017, 7, 483.	3.9	299
21	Global Dissemination of Carbapenemase-Producing Klebsiella pneumoniae: Epidemiology, Genetic Context, Treatment Options, and Detection Methods. Frontiers in Microbiology, 2016, 7, 895.	3.5	528
22	Molecular characterization of SCO0765 as a cellotriose releasing endo-Î²-1,4-cellulase from Streptomyces coelicolor A(3). Journal of Microbiology, 2016, 54, 626-631.	2.8	4
23	Fine-tuning of amino sugar homeostasis by EIIANtr in Salmonella Typhimurium. Scientific Reports, 2016, 6, 33055.	3.3	26
24	Increased expression of genes involved in uptake and degradation of murein tripeptide under nitrogen starvation inEscherichia coli. FEMS Microbiology Letters, 2016, 363, fnw136.	1.8	6
25	Molecular Characterization of Xylobiose- and Xylopentaose-Producing Î²-1,4-Endoxylanase SCO5931 from Streptomyces coelicolor A3(2). Applied Biochemistry and Biotechnology, 2016, 180, 349-360.	2.9	10
26	Molecular characterization ofStreptomyces coelicolorA(3) SCO6548 as a cellulose 1,4-Î²-cellobiosidase. FEMS Microbiology Letters, 2016, 363, fnv245.	1.8	23
27	Quantitative proteomic view associated with resistance to clinically important antibiotics in Gram-positive bacteria: a systematic review. Frontiers in Microbiology, 2015, 6, 828.	3.5	33
28	Educational Effectiveness, Target, and Content for Prudent Antibiotic Use. BioMed Research International, 2015, 2015, 1-13.	1.9	70
29	Dephosphorylated NPr is involved in an envelope stress response of Escherichia coli. Microbiology (United Kingdom), 2015, 161, 1113-1123.	1.8	18
30	Structural Basis for Carbapenem-Hydrolyzing Mechanisms of Carbapenemases Conferring Antibiotic Resistance. International Journal of Molecular Sciences, 2015, 16, 9654-9692.	4.1	129
31	RppH-dependent pyrophosphohydrolysis of mRNAs is regulated by direct interaction with DapF in Escherichia coli. Nucleic Acids Research, 2014, 42, 12746-12757.	14.5	27
32	Comment on: Current initiatives to improve prudent antibiotic use amongst school-aged children. Journal of Antimicrobial Chemotherapy, 2014, 69, 1726-1727.	3.0	1
33	HPr antagonizes the anti-Ïƒ ⁷⁰ activity of Rsd in Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 21142-21147.	7.1	51
34	Strategies to Minimize Antibiotic Resistance. International Journal of Environmental Research and Public Health, 2013, 10, 4274-4305.	2.6	308
35	Reciprocal regulation of the autophosphorylation of enzyme <scp>I^{Ntr}</scp> by glutamine and Î±â€ketoglutarate in <scp>E</scp>scherichia coli. Molecular Microbiology, 2013, 88, 473-485.	2.5	55
36	Phosphorylation-Dependent Mobility Shift of Proteins on SDS-PAGE is Due to Decreased Binding of SDS. Bulletin of the Korean Chemical Society, 2013, 34, 2063-2066.	1.9	27

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37	Dephosphorylated NPr of the nitrogen PTS regulates lipid A biosynthesis by direct interaction with LpxD. Biochemical and Biophysical Research Communications, 2011, 409, 556-561.	2.1	30
38	Potassium mediates Escherichia coli enzyme IIA^{Ntr}â€dependent regulation of sigma factor selectivity. Molecular Microbiology, 2010, 78, 1468-1483.	2.5	56
39	Salmonella pathogenicity island 2 expression negatively controlled by EIIA ^{Ntr} â€“SsrB interaction is required for Salmonella virulence. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20506-20511.	7.1	48
40	Selective Fluorescent Chemosensor for the Bacterial Alarmone (p)ppGpp. Journal of the American Chemical Society, 2008, 130, 784-785.	13.7	96
41	Escherichia coli enzyme IIANtr regulates the K+ transporter TrkA. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4124-4129.	7.1	120
42	Requirement of the dephosphoâ€form of enzyme IIA^{Ntr} for derepression of Escherichia coli Kâ€12 ilvBN expression. Molecular Microbiology, 2005, 58, 334-344.	2.5	49
43	A Novel Fermentation/Respiration Switch Protein Regulated by Enzyme IIAGlc in Escherichia coli. Journal of Biological Chemistry, 2004, 279, 31613-31621.	3.4	56
44	Divergent Effects of Peptidoglycan Carboxypeptidase DacA on Intrinsic Î²-Lactam and Vancomycin Resistance. Microbiology Spectrum, 0, , .	3.0	6