

Jong Hyun Choi

List of Publications by Year in descending order

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31
papers

2,130
citations

304602

22
h-index

434063

31
g-index

34
all docs

34
docs citations

34
times ranked

2795
citing authors

#	ARTICLE	IF	CITATIONS
1	Secretory and extracellular production of recombinant proteins using <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2004, 64, 625-635.	1.7	512
2	Microbial cell-surface display. <i>Trends in Biotechnology</i> , 2003, 21, 45-52.	4.9	445
3	Production of recombinant proteins by high cell density culture of <i>Escherichia coli</i> . <i>Chemical Engineering Science</i> , 2006, 61, 876-885.	1.9	255
4	Repurposing type III polyketide synthase as a malonyl-CoA biosensor for metabolic engineering in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9835-9844.	3.3	107
5	Proteome-based identification of fusion partner for high-level extracellular production of recombinant proteins in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2008, 101, 587-601.	1.7	82
6	Enhanced Production of Insulin-Like Growth Factor I Fusion Protein in <i>Escherichia coli</i> by Coexpression of the Down-Regulated Genes Identified by Transcriptome Profiling. <i>Applied and Environmental Microbiology</i> , 2003, 69, 4737-4742.	1.4	70
7	Metabolic engineering of <i>Corynebacterium glutamicum</i> for fermentative production of chemicals in biorefinery. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3915-3937.	1.7	60
8	Anti-tumor activity of an immunotoxin (TGF β -PE38) delivered by attenuated <i>Salmonella typhimurium</i> . <i>Oncotarget</i> , 2017, 8, 37550-37560.	0.8	53
9	Enhanced production of gamma-aminobutyrate (GABA) in recombinant <i>Corynebacterium glutamicum</i> strains from empty fruit bunch biosugar solution. <i>Microbial Cell Factories</i> , 2018, 17, 129.	1.9	42
10	Display of lipase on the cell surface of <i>Escherichia coli</i> using OprF as an anchor and its application to enantioselective resolution in organic solvent. <i>Biotechnology and Bioengineering</i> , 2005, 90, 223-230.	1.7	41
11	Itaconic acid production from glycerol using <i>Escherichia coli</i> harboring a random synonymous codon-substituted 5' coding region variant of the <i>cadA</i> gene. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1504-1510.	1.7	39
12	<i>Brevundimonas naejangsanensis</i> sp. nov., a proteolytic bacterium isolated from soil, and reclassification of <i>Mycoplana bullata</i> into the genus <i>Brevundimonas</i> as <i>Brevundimonas bullata</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 3155-3160.	0.8	38
13	A novel bifunctional endo-/exo-type cellulase from an anaerobic ruminal bacterium. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1453-1462.	1.7	38
14	Identification and characterization of a novel cold-adapted esterase from a metagenomic library of mountain soil. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 681-689.	1.4	35
15	Enhancing functional expression of heterologous proteins through random substitution of genetic codes in the 5' coding region. <i>Biotechnology and Bioengineering</i> , 2015, 112, 822-826.	1.7	34
16	Recent advances in metabolic engineering of <i>Corynebacterium glutamicum</i> as a potential platform microorganism for biorefinery. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 899-925.	1.9	34
17	A novel multifunctional cellulolytic enzyme screened from metagenomic resources representing ruminal bacteria. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 567-572.	1.0	33
18	Constitutive production of human leptin by fed-batch culture of recombinant rpoS ⁺ <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2004, 36, 150-156.	0.6	30

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19	Microfluidic cell disruption system employing a magnetically actuated diaphragm. <i>Electrophoresis</i> , 2007, 28, 4748-4757.	1.3	26
20	Enantioselective resolution of racemic compounds by cell surface displayed lipase. <i>Enzyme and Microbial Technology</i> , 2004, 35, 429-436.	1.6	25
21	<i>Jeongeupia naejangsanensis</i> gen. nov., sp. nov., a cellulose-degrading bacterium isolated from forest soil from Naejang Mountain in Korea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 615-619.	0.8	25
22	Multiple-layer substrate zymography for detection of several enzymes in a single sodium dodecyl sulfate gel. <i>Analytical Biochemistry</i> , 2009, 386, 121-122.	1.1	22
23	Strategy for screening metagenomic resources for exocellulase activity using a robotic, high-throughput screening system. <i>Journal of Microbiological Methods</i> , 2013, 94, 311-316.	0.7	21
24	Mixed-substrate (glycerol tributyrate and fibrin) zymography for simultaneous detection of lipolytic and proteolytic enzymes on a single gel. <i>Electrophoresis</i> , 2009, 30, 2234-2237.	1.3	15
25	Characterization of a Bacterial Self-Assembly Surface Layer Protein and Its Application as an Electrical Nanobiosensor. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 402-407.	0.9	13
26	Construction of a <i>Vitreoscilla</i> Hemoglobin Promoter-Based Tunable Expression System for <i>Corynebacterium glutamicum</i> . <i>Catalysts</i> , 2018, 8, 561.	1.6	10
27	A Rapid and Simple Method for Preparing an Insoluble Substrate for Screening of Microbial Xylanase. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 677-684.	1.4	9
28	Development of anaerobically inducible nar promoter expression vectors for the expression of recombinant proteins in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2011, 151, 102-107.	1.9	7
29	Construction of non-invasively constitutive expression vectors using a metagenome-derived promoter for soluble expression of proteins. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 667-676.	1.7	4
30	<i>Marivivens aquimaris</i> sp. nov., isolated from seawater. <i>Archives of Microbiology</i> , 2021, 203, 3229-3234.	1.0	1
31	Identification of a serine protease from a <i>Bacillus</i> sp. using multiple loading of O ⁺ Farrell-type isoelectric focusing slab two-dimensional gel. <i>Biotechnology Letters</i> , 2009, 31, 975-978.	1.1	0