

Ki Jun Jeong

List of Publications by Year in descending order

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91
papers

2,690
citations

172386

29
h-index

214721

47
g-index

94
all docs

94
docs citations

94
times ranked

2861
citing authors

#	ARTICLE	IF	CITATIONS
1	Anchored periplasmic expression, a versatile technology for the isolation of high-affinity antibodies from <i>Escherichia coli</i> -expressed libraries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9193-9198.	3.3	200
2	Combined transcriptome and proteome analysis of <i>Escherichia coli</i> during high cell density culture. <i>Biotechnology and Bioengineering</i> , 2003, 81, 753-767.	1.7	161
3	Isolation of fully synthetic promoters for high-level gene expression in <i>Corynebacterium glutamicum</i> . <i>Biotechnology and Bioengineering</i> , 2013, 110, 2959-2969.	1.7	158
4	Metabolic engineering of <i>Corynebacterium glutamicum</i> for enhanced production of 5-aminovaleric acid. <i>Microbial Cell Factories</i> , 2016, 15, 174.	1.9	96
5	Enhanced production of gamma-aminobutyrate (GABA) in recombinant <i>Corynebacterium glutamicum</i> by expressing glutamate decarboxylase active in expanded pH range. <i>Microbial Cell Factories</i> , 2015, 14, 21.	1.9	95
6	High-Level Production of Human Leptin by Fed-Batch Cultivation of Recombinant <i>Escherichia coli</i> and Its Purification. <i>Applied and Environmental Microbiology</i> , 1999, 65, 3027-3032.	1.4	90
7	Cofactor-Free Light-Driven Whole-Cell Cytochrome P450 Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 969-973.	7.2	83
8	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
9	Development of a new platform for secretory production of recombinant proteins in <i>Corynebacterium glutamicum</i> . <i>Biotechnology and Bioengineering</i> , 2016, 113, 163-172.	1.7	59
10	Evaluation of intracellular lipid bodies in <i>Chlamydomonas reinhardtii</i> strains by flow cytometry. <i>Bioresource Technology</i> , 2013, 138, 30-37.	4.8	56
11	Metabolic engineering of <i>Escherichia coli</i> for the production of cinnamaldehyde. <i>Microbial Cell Factories</i> , 2016, 15, 16.	1.9	53
12	Secretory production of human leptin in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2000, 67, 398-407.	1.7	52
13	Recombinant antibodies: Engineering and production in yeast and bacterial hosts. <i>Biotechnology Journal</i> , 2011, 6, 16-27.	1.8	51
14	High-level secretory production of recombinant single-chain variable fragment (scFv) in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 273-284.	1.7	49
15	APEx 2-hybrid, a quantitative protein-protein interaction assay for antibody discovery and engineering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8247-8252.	3.3	48
16	Challenges to production of antibodies in bacteria and yeast. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 483-490.	1.1	48
17	Excretion of Human β -Endorphin into Culture Medium by Using Outer Membrane Protein F as a Fusion Partner in Recombinant <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2002, 68, 4979-4985.	1.4	47
18	Construction of Synthetic Promoter-Based Expression Cassettes for the Production of Cadaverine in Recombinant <i>Corynebacterium glutamicum</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015, 176, 2065-2075.	1.4	47

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19	Modular Optimization of a Hemicellulose-Utilizing Pathway in <i>Corynebacterium glutamicum</i> for Consolidated Bioprocessing of Hemicellulosic Biomass. <i>ACS Synthetic Biology</i> , 2016, 5, 334-343.	1.9	42
20	Enhanced Production of Recombinant Proteins in <i>Escherichia coli</i> by Filamentation Suppression. <i>Applied and Environmental Microbiology</i> , 2003, 69, 1295-1298.	1.4	38
21	Death Receptors 4 and 5 Activate Nox1 NADPH Oxidase through Riboflavin Kinase to Induce Reactive Oxygen Species-mediated Apoptotic Cell Death. <i>Journal of Biological Chemistry</i> , 2012, 287, 3313-3325.	1.6	37
22	Enhanced production of recombinant proteins with <i>Corynebacterium glutamicum</i> by deletion of insertion sequences (IS elements). <i>Microbial Cell Factories</i> , 2015, 14, 207.	1.9	37
23	Binding and enrichment of <i>Escherichia coli</i> spheroplasts expressing inner membrane tethered scFv antibodies on surface immobilized antigens. <i>Biotechnology and Bioengineering</i> , 2007, 98, 39-47.	1.7	34
24	Development of a secretion system for the production of heterologous proteins in <i>Corynebacterium glutamicum</i> using the Porin B signal peptide. <i>Protein Expression and Purification</i> , 2013, 89, 251-257.	0.6	34
25	Heterologous expression of a newly screened β -agarase from <i>Alteromonas</i> sp. GNUM1 in <i>Escherichia coli</i> and its application for agarose degradation. <i>Process Biochemistry</i> , 2014, 49, 430-436.	1.8	34
26	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
27	High-level production of trans-cinnamic acid by fed-batch cultivation of <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2018, 68, 30-36.	1.8	33
28	Engineering of <i>Corynebacterium glutamicum</i> for Consolidated Conversion of Hemicellulosic Biomass into Xylonic Acid. <i>Biotechnology Journal</i> , 2017, 12, 1700040.	1.8	32
29	Robust Thin Film Surface with a Selective Antibacterial Property Enabled via a Cross-Linked Ionic Polymer Coating for Infection-Resistant Medical Applications. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2614-2622.	2.6	31
30	Development of bicistronic expression system for the enhanced and reliable production of recombinant proteins in <i>Leuconostoc citreum</i> . <i>Scientific Reports</i> , 2018, 8, 8852.	1.6	31
31	Constitutive production of human leptin by fed-batch culture of recombinant <i>rpoS</i> <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2004, 36, 150-156.	0.6	30
32	Evolution of enzymes with new specificity by high-throughput screening using DmpR-based genetic circuits and multiple flow cytometry rounds. <i>Scientific Reports</i> , 2018, 8, 2659.	1.6	30
33	Molecular Cloning and Characterization of an Endoxylanase Gene of <i>Bacillus</i> sp. in <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 1998, 22, 599-605.	1.6	28
34	Heterologous overexpression of sfCherry fluorescent protein in <i>Nannochloropsis salina</i> . <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015, 8, 10-15.	2.1	28
35	Systematically programmed adaptive evolution reveals potential role of carbon and nitrogen pathways during lipid accumulation in <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology for Biofuels</i> , 2014, 7, 117.	6.2	26
36	Engineering antibody fragments to fold in the absence of disulfide bonds. <i>Protein Science</i> , 2009, 18, 259-267.	3.1	24

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37	Recent advances in engineering <i>Corynebacterium glutamicum</i> for utilization of hemicellulosic biomass. <i>Current Opinion in Biotechnology</i> , 2019, 57, 17-24.	3.3	24
38	Enhanced production of styrene by engineered <i>Escherichia coli</i> and in situ product recovery (ISPR) with an organic solvent. <i>Microbial Cell Factories</i> , 2019, 18, 79.	1.9	23
39	Enhanced production of full-length immunoglobulin G via the signal recognition particle (SRP)-dependent pathway in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2013, 165, 102-108.	1.9	22
40	Production of trans-cinnamic acid by whole-cell bioconversion from l-phenylalanine in engineered <i>Corynebacterium glutamicum</i> . <i>Microbial Cell Factories</i> , 2021, 20, 145.	1.9	22
41	Development of a high-copy-number plasmid via adaptive laboratory evolution of <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 873-883.	1.7	21
42	Development and characterization of a <i>Nannochloropsis</i> mutant with simultaneously enhanced growth and lipid production. <i>Biotechnology for Biofuels</i> , 2020, 13, 38.	6.2	21
43	Surface display of recombinant proteins on <i>Escherichia coli</i> by BclA exosporium of <i>Bacillus anthracis</i> . <i>Microbial Cell Factories</i> , 2013, 12, 81.	1.9	20
44	Site-specific immobilization of proteins on non-conventional substrates via solvent-free initiated chemical vapour deposition (iCVD) process. <i>Polymer Chemistry</i> , 2014, 5, 4459.	1.9	20
45	Solar-driven biocatalytic C-hydroxylation through direct transfer of photoinduced electrons. <i>Green Chemistry</i> , 2019, 21, 515-525.	4.6	19
46	Enhanced production of human full-length immunoglobulin G1 in the periplasm of <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1237-1246.	1.7	18
47	Study of cellular development and intracellular lipid bodies accumulation in the thraustochytrid <i>Aurantiochytrium</i> sp. KRS101. <i>Bioresource Technology</i> , 2014, 161, 149-154.	4.8	18
48	High-level production of a single chain antibody against anthrax toxin in <i>Escherichia coli</i> by high cell density cultivation. <i>Bioprocess and Biosystems Engineering</i> , 2011, 34, 811-817.	1.7	17
49	Enhanced Production of Bacterial Cellulose in <i>Komagataeibacter xylinus</i> Via Tuning of Biosynthesis Genes with Synthetic RBS. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 1430-1435.	0.9	17
50	Production of 2,3-butanediol by <i>Klebsiella oxytoca</i> from various sugars in microalgal hydrolysate. <i>Biotechnology Progress</i> , 2015, 31, 1669-1675.	1.3	16
51	Development of a high-copy plasmid for enhanced production of recombinant proteins in <i>Leuconostoc citreum</i> . <i>Microbial Cell Factories</i> , 2016, 15, 12.	1.9	16
52	Development of a novel cellulase biosensor that detects crystalline cellulose hydrolysis using a transcriptional regulator. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1328-1334.	1.0	16
53	Solar-to-chemical conversion platform by Robust Cytochrome P450-P(3HB) complex. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 33, 28-32.	2.9	14
54	Development of a potential stationary-phase specific gene expression system by engineering of SigB-dependent cg3141 promoter in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4473-4483.	1.7	14

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55	Coating of an antimicrobial peptide on solid substrate via initiated chemical vapor deposition. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 58, 51-56.	2.9	14
56	High-yield production of the VP1 structural protein epitope from serotype O foot-and-mouth disease virus in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 705-713.	1.4	13
57	Development of CRISPR Interference (CRISPRi) Platform for Metabolic Engineering of <i>Leuconostoc citreum</i> and Its Application for Engineering Riboflavin Biosynthesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5614.	1.8	13
58	Recent Advances in Synthetic Biology for the Engineering of Lactic Acid Bacteria. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 962-973.	1.4	13
59	Safe-Harboring based novel genetic toolkit for <i>Nannochloropsis salina</i> CCMP1776: Efficient overexpression of transgene via CRISPR/Cas9-Mediated Knock-in at the transcriptional hotspot. <i>Bioresource Technology</i> , 2021, 340, 125676.	4.8	13
60	Directed evolution of <i>Chlorella</i> sp. HS2 towards enhanced lipid accumulation by ethyl methanesulfonate mutagenesis in conjunction with fluorescence-activated cell sorting based screening. <i>Fuel</i> , 2022, 316, 123410.	3.4	13
61	Engineering of <i>Klebsiella oxytoca</i> for production of 2,3-butanediol using mixed sugars derived from lignocellulosic hydrolysates. <i>GCB Bioenergy</i> , 2020, 12, 275-286.	2.5	12
62	Efficient transformation of <i>Klebsiella oxytoca</i> by electroporation. <i>Biotechnology and Bioprocess Engineering</i> , 1998, 3, 48-49.	1.4	11
63	Generation of Bivalent and Bispecific Kringle Single Domains by Loop Grafting as Potent Agonists against Death Receptors 4 and 5. <i>Journal of Molecular Biology</i> , 2011, 411, 201-219.	2.0	10
64	Isolation of a Potential Anchoring Motif Based on Proteome Analysis of <i>Escherichia coli</i> and Its Use for Cell Surface Display. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 787-804.	1.4	10
65	Enhanced production of antibody fragment via SRP pathway engineering in <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 751-758.	1.4	10
66	Enhanced secretion of recombinant proteins via signal recognition particle (SRP)-dependent secretion pathway by deletion of <i>rpsE</i> in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2016, 113, 2453-2461.	1.7	10
67	Engineering of <i>Klebsiella oxytoca</i> for production of 2,3-butanediol via simultaneous utilization of sugars from a <i>Golenkinia</i> sp. hydrolysate. <i>Bioresource Technology</i> , 2017, 245, 1386-1392.	4.8	10
68	Plasmid Display for Stabilization of Enzymes Inside the Cell to Improve Whole-Cell Biotransformation Efficiency. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 444.	2.0	10
69	High-Level Production of Human Papillomavirus (HPV) Type 16 L1 in <i>Escherichia coli</i> . <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 356-363.	0.9	10
70	Production of Cinnamaldehyde through Whole-Cell Bioconversion from <i>trans</i> -Cinnamic Acid Using Engineered <i>Corynebacterium glutamicum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2656-2663.	2.4	10
71	Development of a plasmid display system with an Oct-1 DNA-binding domain suitable for in vitro screening of engineered proteins. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 246-252.	1.1	9
72	Engineering <i>Trichosporon oleaginosus</i> for enhanced production of lipid from volatile fatty acids as carbon source. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 903-908.	1.2	9

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73	Engineering of <i>Escherichia coli</i> for the Economic Production L-phenylalanine in Large-scale Bioreactor. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 468-475.	1.4	9
74	High-level production of a kringle domain variant by high-cell-density cultivation of <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 327-336.	1.7	8
75	Conformation-switchable helical polypeptide eliciting selective pro-apoptotic activity for cancer therapy. <i>Journal of Controlled Release</i> , 2017, 264, 24-33.	4.8	8
76	Development of a Potential Protein Display Platform in <i>Corynebacterium glutamicum</i> Using Mycolic Acid Layer Protein, NCgl1337, as an Anchoring Motif. <i>Biotechnology Journal</i> , 2018, 13, 1700509.	1.8	7
77	Rapid Isolation of Antibody from a Synthetic Human Antibody Library by Repeated Fluorescence-Activated Cell Sorting (FACS). <i>PLoS ONE</i> , 2014, 9, e108225.	1.1	6
78	Isolation of Novel Exo-type Î²-Agarase from <i>Gilvamarinus chinensis</i> and High-level Secretary Production in <i>Corynebacterium glutamicum</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 250-257.	1.4	6
79	Robust Biocatalysts Displayed on Crystalline Proteinâ€Layered Cells for Efficient and Sustainable Hydration of Carbon Dioxide. <i>Advanced Functional Materials</i> , 2021, 31, 2102497.	7.8	6
80	High-level production of Fc-fused kringle domain in <i>Pichia pastoris</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 989-996.	1.4	5
81	A human kringle domain-based fluorescence-linked immunosorbent assay system. <i>Analytical Biochemistry</i> , 2014, 451, 63-68.	1.1	5
82	Enhanced production of human FcÎ³RIIIa receptor by high cell density cultivation of <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2011, 79, 60-65.	0.6	4
83	Novel strategy for production of aggregation-prone proteins and lytic enzymes in <i>Escherichia coli</i> based on an anchored periplasmic expression system. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 638-643.	1.1	4
84	Engineering of <i>Saccharomyces cerevisiae</i> for enhanced production of L-lactic acid by co-expression of acid-stable glycolytic enzymes from <i>Picrophilus torridus</i> . <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1673-1679.	1.2	4
85	Enhanced production of neoagarobiose from agar with <i>Corynebacterium glutamicum</i> producing exoâ€type and endoâ€type Î²-agarases. <i>Microbial Biotechnology</i> , 2021, 14, 2164-2175.	2.0	4
86	Enhanced production of biosurfactants through genetic engineering of <i>Pseudozyma</i> sp. SY16. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 997-1003.	1.2	4
87	Engineering of <i>Klebsiella oxytoca</i> for the Production of 2,3-Butanediol from High Concentration of Xylose. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	3
88	Overproduction of a C5a receptor antagonist (C5aRA) in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2013, 89, 169-174.	0.6	2
89	Development of high-affinity single chain Fv against foot-and-mouth disease virus. <i>Enzyme and Microbial Technology</i> , 2016, 84, 50-55.	1.6	2
90	Secretory production of human leptin in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2000, 67, 398.	1.7	2

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91	Abstract: Cofactor-Free Light-Driven Whole-Cell Cytochrome P450 Catalysis (Angew. Chem.)	1.0784314	16 / Overl...