

Ki Jun Jeong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

2,096
citations

26
h-index

42
g-index

94
ext. papers

2,429
ext. citations

5.5
avg, IF

5.01
L-index

#	Paper	IF	Citations
90	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	7.1	1
89	Robust Biocatalysts Displayed on Crystalline Protein-Layered Cells for Efficient and Sustainable Hydration of Carbon Dioxide. <i>Advanced Functional Materials</i> , 2021 , 31, 2102497	15.6	3
88	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	3.1	2
87	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	6.4	2
86	Enhanced production of neoagarobiose from agar with <i>Corynebacterium glutamicum</i> producing exo-type and endo-type β agarases. <i>Microbial Biotechnology</i> , 2021 , 14, 2164-2175	6.3	1
85	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	11	3
84	Development and characterization of a mutant with simultaneously enhanced growth and lipid production. <i>Biotechnology for Biofuels</i> , 2020 , 13, 38	7.8	13
83	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	5.6	5
82	Enhanced Production of Bacterial Cellulose in Via Tuning of Biosynthesis Genes with Synthetic RBS. <i>Journal of Microbiology and Biotechnology</i> , 2020 , 30, 1430-1435	3.3	6
81	Development of CRISPR Interference (CRISPRi) Platform for Metabolic Engineering of and Its Application for Engineering Riboflavin Biosynthesis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
80	Recent Advances in Synthetic Biology for the Engineering of Lactic Acid Bacteria. <i>Biotechnology and Bioprocess Engineering</i> , 2020 , 25, 962-973	3.1	5
79	Solar-driven biocatalytic C-hydroxylation through direct transfer of photoinduced electrons. <i>Green Chemistry</i> , 2019 , 21, 515-525	10	11
78	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	6.4	11
77	Isolation of Novel Exo-type β Agarase from <i>Gilvmarinus chinensis</i> and High-level Secretary Production in <i>Corynebacterium glutamicum</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2019 , 24, 250-257	7.1	3
76	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	2.8	5
75	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	5.8	7
74	Recent advances in engineering <i>Corynebacterium glutamicum</i> for utilization of hemicellulosic biomass. <i>Current Opinion in Biotechnology</i> , 2019 , 57, 17-24	11.4	17

73	High-level production of trans-cinnamic acid by fed-batch cultivation of <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2018 , 68, 30-36	4.8	18
72	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	4.9	22
71	Metabolic engineering of <i>Corynebacterium glutamicum</i> for fermentative production of chemicals in biorefinery. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 3915-3937	5.7	45
70	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	5.6	5
69	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	6.3	9
68	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	5.3	28
67	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	4.9	12
66	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	5.7	13
65	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	3.4	11
64	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	5.5	21
63	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	2.8	3
62	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	11	7
61	Conformation-switchable helical polypeptide eliciting selective pro-apoptotic activity for cancer therapy. <i>Journal of Controlled Release</i> , 2017 , 264, 24-33	11.7	6
60	Engineering of <i>Corynebacterium glutamicum</i> for Consolidated Conversion of Hemicellulosic Biomass into Xylonic Acid. <i>Biotechnology Journal</i> , 2017 , 12, 1700040	5.6	26
59	Enhanced secretion of recombinant proteins via signal recognition particle (SRP)-dependent secretion pathway by deletion of <i>rrsE</i> in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2016 , 113, 2453-61	4.9	6
58	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	6.4	15
57	Metabolic engineering of <i>Escherichia coli</i> for the production of cinnamaldehyde. <i>Microbial Cell Factories</i> , 2016 , 15, 16	6.4	35
56	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, 334-43	5.7	35

55	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, 4473-83	5.7	12
54	Development of high-affinity single chain Fv against foot-and-mouth disease virus. <i>Enzyme and Microbial Technology</i> , 2016 , 84, 50-5	3.8	2
53	High-Level Production of Human Papillomavirus (HPV) Type 16 L1 in <i>Escherichia coli</i> . <i>Journal of Microbiology and Biotechnology</i> , 2016 , 26, 356-63	3.3	6
52	Development of a new platform for secretory production of recombinant proteins in <i>Corynebacterium glutamicum</i> . <i>Biotechnology and Bioengineering</i> , 2016 , 113, 163-72	4.9	40
51	Solar-to-chemical conversion platform by Robust Cytochrome P450-P(3HB) complex. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 33, 28-32	6.3	10
50	Metabolic engineering of <i>Corynebacterium glutamicum</i> for enhanced production of 5-aminovaleric acid. <i>Microbial Cell Factories</i> , 2016 , 15, 174	6.4	78
49	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	6.4	81
48	Challenges to production of antibodies in bacteria and yeast. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 483-90	3.3	38
47	Cofactor-Free Light-Driven Whole-Cell Cytochrome P450 Catalysis. <i>Angewandte Chemie</i> , 2015 , 127, 983-987	3.7	24
46	Cofactor-free light-driven whole-cell cytochrome P450 catalysis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 969-73	16.4	67
45	Reaktitelbild: Cofactor-Free Light-Driven Whole-Cell Cytochrome P450 Catalysis (Angew. Chem. 3/2015). <i>Angewandte Chemie</i> , 2015 , 127, 1056-1056	3.6	
44	Heterologous overexpression of sfCherry fluorescent protein in. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015 , 8, 10-15	5.3	22
43	Production of 2,3-butanediol by <i>Klebsiella oxytoca</i> from various sugars in microalgal hydrolysate. <i>Biotechnology Progress</i> , 2015 , 31, 1669-75	2.8	15
42	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	6.4	27
41	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, 2065-75	3.2	38
40	Heterologous expression of a newly screened β galactosidase 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	4.8	25
39	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	4.9	20
38	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	7.8	23

37	High-level secretory production of recombinant single-chain variable fragment (scFv) in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 273-84	5.7	44
36	High-level production of Fc-fused kringle domain in <i>Pichia pastoris</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 989-96	4.2	5
35	Study of cellular development and intracellular lipid bodies accumulation in the thraustochytrid <i>Aurantiochytrium</i> sp. KRS101. <i>Bioresource Technology</i> , 2014 , 161, 149-54	11	16
34	A human kringle domain-based fluorescence-linked immunosorbent assay system. <i>Analytical Biochemistry</i> , 2014 , 451, 63-8	3.1	4
33	Rapid isolation of antibody from a synthetic human antibody library by repeated fluorescence-activated cell sorting (FACS). <i>PLoS ONE</i> , 2014 , 9, e108225	3.7	6
32	Enhanced production of human full-length immunoglobulin G1 in the periplasm of <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 1237-46	5.7	16
31	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, 246-52	3.3	7
30	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	3.2	9
29	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, 705-13	4.2	8
28	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, 638-43	3.3	4
27	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	6.4	18
26	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, 102-8	3.7	17
25	Evaluation of intracellular lipid bodies in <i>Chlamydomonas reinhardtii</i> strains by flow cytometry. <i>Bioresource Technology</i> , 2013 , 138, 30-7	11	47
24	Overproduction of a C5a receptor antagonist (C5aRA) in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2013 , 89, 169-74	2	2
23	Isolation of fully synthetic promoters for high-level gene expression in <i>Corynebacterium glutamicum</i> . <i>Biotechnology and Bioengineering</i> , 2013 , 110, 2959-69	4.9	127
22	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, 251-7	2	28
21	Enhanced production of antibody fragment via SRP pathway engineering in <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2013 , 18, 751-758	3.1	9
20	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, 3313-25	5.4	30

19	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, 201-19	6.5	9
18	Enhanced production of human FcRIIIa receptor by high cell density cultivation of Escherichia coli. <i>Protein Expression and Purification</i> , 2011 , 79, 60-5	2	4
17	Recombinant antibodies: engineering and production in yeast and bacterial hosts. <i>Biotechnology Journal</i> , 2011 , 6, 16-27	5.6	43
16	High-level production of a single chain antibody against anthrax toxin in Escherichia coli by high cell density cultivation. <i>Bioprocess and Biosystems Engineering</i> , 2011 , 34, 811-7	3.7	16
15	High-level production of a kringle domain variant by high-cell-density cultivation of Escherichia coli. <i>Applied Microbiology and Biotechnology</i> , 2011 , 92, 327-36	5.7	8
14	Engineering antibody fragments to fold in the absence of disulfide bonds. <i>Protein Science</i> , 2009 , 18, 2594-7	6.7	23
13	Binding and enrichment of Escherichia coli spheroplasts expressing inner membrane tethered scFv antibodies on surface immobilized antigens. <i>Biotechnology and Bioengineering</i> , 2007 , 98, 39-47	4.9	33
12	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, 8247-52	11.5	44
11	Anchored periplasmic expression, a versatile technology for the isolation of high-affinity antibodies from Escherichia coli-expressed libraries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9193-8	11.5	180
10	Constitutive production of human leptin by fed-batch culture of recombinant rpoS- Escherichia coli. <i>Protein Expression and Purification</i> , 2004 , 36, 150-6	2	27
9	Combined transcriptome and proteome analysis of Escherichia coli during high cell density culture. <i>Biotechnology and Bioengineering</i> , 2003 , 81, 753-67	4.9	139
8	Enhanced production of recombinant proteins in Escherichia coli by filamentation suppression. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 1295-8	4.8	30
7	Excretion of human beta-endorphin into culture medium by using outer membrane protein F as a fusion partner in recombinant Escherichia coli. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 4979-85	4.8	42
6	Secretory production of human leptin in Escherichia coli 2000 , 67, 398-407		39
5	Secretory production of human leptin in Escherichia coli 2000 , 67, 398		2
4	High-level production of human leptin by fed-batch cultivation of recombinant Escherichia coli and its purification. <i>Applied and Environmental Microbiology</i> , 1999 , 65, 3027-32	4.8	81
3	Efficient transformation of Klebsiella oxytoca by electroporation. <i>Biotechnology and Bioprocess Engineering</i> , 1998 , 3, 48-49	3.1	10
2	Molecular cloning and characterization of an endoxylanase gene of Bacillus sp. in Escherichia coli. <i>Enzyme and Microbial Technology</i> , 1998 , 22, 599-605	3.8	25

- 1 Enhanced production of biosurfactants through genetic engineering of *Pseudozyma* sp. SY16. *Korean Journal of Chemical Engineering*,1 2.8 ○