

# Jung-Oh Ahn

## List of Publications by Citations

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60  
papers

943  
citations

19  
h-index

28  
g-index

67  
ext. papers

1,164  
ext. citations

4.7  
avg, IF

4.03  
L-index

#	Paper	IF	Citations
60	Genome-scale metabolic reconstruction and in silico analysis of methylotrophic yeast <i>Pichia pastoris</i> for strain improvement. <i>Microbial Cell Factories</i> , <b>2010</b> , 9, 50	6.4	104
59	Enhanced Photodynamic Cancer Treatment by Mitochondria-Targeting and Brominated Near-Infrared Fluorophores. <i>Advanced Science</i> , <b>2018</b> , 5, 1700481	13.6	82
58	Production of (3-hydroxybutyrate-co-3-hydroxyhexanoate) copolymer from coffee waste oil using engineered <i>Ralstonia eutropha</i> . <i>Bioprocess and Biosystems Engineering</i> , <b>2018</b> , 41, 229-235	3.7	59
57	Translation elongation factor 1-alpha gene from <i>Pichia pastoris</i> : molecular cloning, sequence, and use of its promoter. <i>Applied Microbiology and Biotechnology</i> , <b>2007</b> , 74, 601-8	5.7	49
56	Genome-scale metabolic modeling and in silico analysis of lipid accumulating yeast <i>Candida tropicalis</i> for dicarboxylic acid production. <i>Biotechnology and Bioengineering</i> , <b>2016</b> , 113, 1993-2004	4.9	45
55	Enhancement of monascus pigment production by the culture of <i>Monascus</i> sp. J101 at low temperature. <i>Biotechnology Progress</i> , <b>2006</b> , 22, 338-40	2.8	37
54	Enhanced isobutanol production from acetate by combinatorial overexpression of acetyl-CoA synthetase and anaplerotic enzymes in engineered <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , <b>2018</b> , 115, 1971-1978	4.9	35
53	Phosphate-responsive promoter of a <i>Pichia pastoris</i> sodium phosphate symporter. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 3528-34	4.8	33
52	Improved L-threonine production of <i>Escherichia coli</i> mutant by optimization of culture conditions. <i>Journal of Bioscience and Bioengineering</i> , <b>2006</b> , 101, 127-30	3.3	30
51	Whole-cell biocatalysis using cytochrome P450 monooxygenases for biotransformation of sustainable bioresources (fatty acids, fatty alkanes, and aromatic amino acids). <i>Biotechnology Advances</i> , <b>2020</b> , 40, 107504	17.8	29
50	Gamma-aminobutyric acid production using immobilized glutamate decarboxylase followed by downstream processing with cation exchange chromatography. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 1728-39	6.3	28
49	Artificial de novo biosynthesis of hydroxystyrene derivatives in a tyrosine overproducing <i>Escherichia coli</i> strain. <i>Microbial Cell Factories</i> , <b>2015</b> , 14, 78	6.4	26
48	Expression, immobilization and enzymatic properties of glutamate decarboxylase fused to a cellulose-binding domain. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 358-68	6.3	24
47	Protective efficacy of <i>Streptococcus iniae</i> derived enolase against Streptococcal infection in a zebrafish model. <i>Veterinary Immunology and Immunopathology</i> , <b>2016</b> , 170, 25-9	2	23
46	Evaluation of a silica-coated magnetic nanoparticle for the immobilization of a His-tagged lipase. <i>Biocatalysis and Biotransformation</i> , <b>2009</b> , 27, 246-253	2.5	23
45	Production of glutaric acid from 5-aminovaleric acid using <i>Escherichia coli</i> whole cell bio-catalyst overexpressing GabTD from <i>Bacillus subtilis</i> . <i>Enzyme and Microbial Technology</i> , <b>2018</b> , 118, 57-65	3.8	21
44	Identification of novel immunogenic proteins in pathogenic <i>Haemophilus parasuis</i> based on genome sequence analysis. <i>Veterinary Microbiology</i> , <b>2011</b> , 148, 89-92	3.3	21

43	Production of glutaric acid from 5-aminovaleric acid by robust whole-cell immobilized with polyvinyl alcohol and polyethylene glycol. <i>Enzyme and Microbial Technology</i> , <b>2019</b> , 128, 72-78	3.8	20
42	NADPH-dependent pgi-gene knockout Escherichia coli metabolism producing shikimate on different carbon sources. <i>FEMS Microbiology Letters</i> , <b>2011</b> , 324, 10-6	2.9	19
41	Combinatorial application of two aldehyde oxidoreductases on isobutanol production in the presence of furfural. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2016</b> , 43, 37-44	4.2	16
40	Biomass-derived molecules modulate the behavior of Streptomyces coelicolor for antibiotic production. <i>3 Biotech</i> , <b>2016</b> , 6, 223	2.8	13
39	Biotransformation of dicarboxylic acids from vegetable oil-derived sources: current methods and suggestions for improvement. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 1545-1555	5.7	13
38	Complete genome sequence of the sulfur-oxidizing chemolithoautotrophic 42BKT. <i>Standards in Genomic Sciences</i> , <b>2017</b> , 12, 54		12
37	Development of a promising microbial platform for the production of dicarboxylic acids from biorenewable resources. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 310	7.8	12
36	Synthesis of FeO@nickel-silicate core-shell nanoparticles for His-tagged enzyme immobilizing agents. <i>Nanotechnology</i> , <b>2016</b> , 27, 495705	3.4	11
35	Effect of decanoic acid and 10-hydroxydecanoic acid on the biotransformation of methyl decanoate to sebacic acid. <i>AMB Express</i> , <b>2018</b> , 8, 75	4.1	10
34	Enhanced production of glutaric acid by NADH oxidase and GabD-reinforced bioconversion from l-lysine. <i>Biotechnology and Bioengineering</i> , <b>2019</b> , 116, 333-341	4.9	10
33	Characterization of the newly isolated oxidizing yeast Candida sorbophila DS02 and its potential applications in long-chain dicarboxylic acid production. <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 6333-6342	5.7	9
32	Codon optimization of Saccharomyces cerevisiae mating factor alpha prepro-leader to improve recombinant protein production in Pichia pastoris. <i>Biotechnology Letters</i> , <b>2016</b> , 38, 2137-2143	3	9
31	Direct Biotransformation of Nonanoic Acid and Its Esters to Azelaic Acid by Whole Cell Biocatalyst of Candida tropicalis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17958-17966	8.3	8
30	GALpromoter-driven heterologous gene expression in Saccharomyces cerevisiae strain at anaerobic alcoholic fermentation. <i>FEMS Yeast Research</i> , <b>2013</b> , 13, 140-142	3.1	8
29	Efficient, galactose-free production of Candida antarctica lipase B by GAL10 promoter in gal80 mutant of Saccharomyces cerevisiae. <i>Process Biochemistry</i> , <b>2009</b> , 44, 1190-1192	4.8	8
28	Development of glutaric acid production consortium system with ketoglutaric acid regeneration by glutamate oxidase in Escherichia coli. <i>Enzyme and Microbial Technology</i> , <b>2020</b> , 133, 109446	3.8	8
27	Isolation and characterization of a novel caprolactam-degrading microbe, Acinetobacter calcoaceticus, from industrial wastewater by chemostat-enrichment. <i>Biotechnology Letters</i> , <b>2013</b> , 35, 2069-72	3	7
26	Efficient proteolytic cleavage by insertion of oligopeptide linkers and its application to production of recombinant human interleukin-6 in Escherichia coli. <i>Enzyme and Microbial Technology</i> , <b>2009</b> , 44, 254-262	2.8	7

25	Selective extraction of glutaric acid from biological production systems using n-butanol. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 82, 98-104	6.3	7
24	Melamine-promoted formation of bright and stable DNA-silver nanoclusters and their antimicrobial properties. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 2512-2517	7.3	6
23	Microcrystalline Cellulose for Delivery of Recombinant Protein-Based Antigen against Erysipelas in Mice. <i>BioMed Research International</i> , <b>2018</b> , 2018, 7670505	3	6
22	Microbial production of sebacic acid from a renewable source: production, purification, and polymerization. <i>Green Chemistry</i> , <b>2019</b> , 21, 6491-6501	10	6
21	Effective production of human growth factors in Escherichia coli by fusing with small protein 6HFh8. <i>Microbial Cell Factories</i> , <b>2021</b> , 20, 9	6.4	5
20	Engineered Escherichia coli strains as platforms for biological production of isoprene. <i>FEBS Open Bio</i> , <b>2020</b> , 10, 780-788	2.7	4
19	Complete Genome Sequence of Streptococcus iniae YSFST01-82, Isolated from Olive Flounder in Jeju, South Korea. <i>Genome Announcements</i> , <b>2015</b> , 3,		4
18	GAL promoter-driven heterologous gene expression in Saccharomyces cerevisiae strain at anaerobic alcoholic fermentation. <i>FEMS Yeast Research</i> , <b>2013</b> , 13, 140-2	3.1	4
17	Soluble expression of OmpA from Haemophilus parasuis in Escherichia coli and its protective effects in the mouse model of infection. <i>Journal of Microbiology and Biotechnology</i> , <b>2012</b> , 22, 1307-9	3.3	4
16	Identification of novel immunogenic proteins against Streptococcus parauberis in a zebrafish model by reverse vaccinology. <i>Microbial Pathogenesis</i> , <b>2019</b> , 127, 56-59	3.8	4
15	High-level production of N-terminal pro-brain natriuretic peptide, as a calibrant of heart failure diagnosis, in Escherichia coli. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 4779-4788	5.7	3
14	Enhanced isobutanol production by co-production of polyhydroxybutyrate and cofactor engineering. <i>Journal of Biotechnology</i> , <b>2020</b> , 320, 66-73	3.7	3
13	Enhanced mating-type switching and sexual hybridization in heterothallic yeast Yarrowia lipolytica. <i>FEMS Yeast Research</i> , <b>2020</b> , 20,	3.1	3
12	L-Glycine Alleviates Furfural-Induced Growth Inhibition during Isobutanol Production in Escherichia coli. <i>Journal of Microbiology and Biotechnology</i> , <b>2017</b> , 27, 2165-2172	3.3	3
11	Development of novel on-line capillary gas chromatography-based analysis method for volatile organic compounds produced by aerobic fermentation. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 127, 121-127	3.3	2
10	Biosynthesis of C12 Fatty Alcohols by Whole Cell Biotransformation of C12 Derivatives Using Escherichia coli Two-cell Systems Expressing CAR and ADH. <i>Biotechnology and Bioprocess Engineering</i> , <b>2021</b> , 26, 392-401	3.1	2
9	Construction of an Artificial Biosynthetic Pathway for the Styrylpyrone Compound 11-Methoxy-Bisnoryangonin Produced in Engineered. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 714335	5.7	2
8	Immobilization of a His-tagged lipase on a silica-coated magnetic nanoparticle coupled with metal affinity ligands. <i>Journal of Biotechnology</i> , <b>2008</b> , 136, S334	3.7	1

7	Engineering of CYP153A33 With Enhanced Ratio of Hydroxylation to Overoxidation Activity in Whole-Cell Biotransformation of Medium-Chain 1-Alkanols.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 817455	5.8	1
6	Engineering <i>Yarrowia lipolytica</i> for de novo production of tetraacetyl phytosphingosine. <i>Journal of Applied Microbiology</i> , <b>2021</b> , 130, 1981-1992	4.7	1
5	Application of l-glutamate oxidase from <i>Streptomyces</i> sp. X119-6 with catalase (KatE) to whole-cell systems for glutaric acid production in <i>Escherichia coli</i> . <i>Korean Journal of Chemical Engineering</i> , <b>2021</b> , 38, 2106-2112	2.8	1
4	Construction of an Artificial Biosynthetic Pathway for Zingerone Production in Using Benzalacetone Synthase from. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 14620-14629	5.7	0
3	Expression and purification of soluble and active human enterokinase light chain in. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , <b>2021</b> , 30, e00626	5.3	0
2	Development of a glutaric acid production system equipped with stepwise feeding of monosodium glutamate by whole-cell bioconversion.. <i>Enzyme and Microbial Technology</i> , <b>2022</b> , 159, 110053	3.8	0
1	Monooxygenase-mediated cascade oxidation of fatty acids for the production of biopolymer building blocks. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	