Il-Kwon Kim

List of Publications by Year
in descending order

19	688	759233 12	888059 17
papers	citations	h-index	g-index

19	19	19	956
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rational Engineering of Homoserine O-Succinyltransferase from Escherichia coli for Reduced Feedback Inhibition by Methionine. Journal of Agricultural and Food Chemistry, 2022, 70, 1571-1578.	5.2	8
2	Crystal Structure and Functional Characterization of the Bifunctional N-(5â€²-Phosphoribosyl)anthranilate Isomerase-indole-3-glycerol-phosphate Synthase from Corynebacterium glutamicum. Journal of Agricultural and Food Chemistry, 2021, 69, 12485-12493.	5.2	1
3	Development of Metabolically Engineered Corynebacterium glutamicum for Enhanced Production of Cadaverine and Its Use for the Synthesis of Bio-Polyamide 510. ACS Sustainable Chemistry and Engineering, 2020, 8, 129-138.	6.7	23
4	Biochemical properties and crystal structure of isocitrate lyase from Bacillus cereus ATCC 14579. Biochemical and Biophysical Research Communications, 2020, 533, 1177-1183.	2.1	2
5	Structural basis for stereospecificity to d-amino acid of glycine oxidase from Bacillus cereus ATCC 14579. Biochemical and Biophysical Research Communications, 2020, 533, 824-830.	2.1	3
6	Crystal structure of an acetyl-CoA acetyltransferase from PHB producing bacterium Bacillus cereus ATCC 14579. Biochemical and Biophysical Research Communications, 2020, 533, 442-448.	2.1	9
7	High-Level Conversion of l-lysine into Cadaverine by Escherichia coli Whole Cell Biocatalyst Expressing Hafnia alvei l-lysine Decarboxylase. Polymers, 2019, 11, 1184.	4.5	21
8	Metabolic Engineering of Corynebacterium glutamicum for the High-Level Production of Cadaverine That Can Be Used for the Synthesis of Biopolyamide 510. ACS Sustainable Chemistry and Engineering, 2018, 6, 5296-5305.	6.7	83
9	Improved reutilization of industrial crude lysine to 1,5-diaminopentane by enzymatic decarboxylation using various detergents and organic solvents. Korean Journal of Chemical Engineering, 2018, 35, 1854-1859.	2.7	9
10	Crystal Structure and Pyridoxal 5-Phosphate Binding Property of Lysine Decarboxylase from Selenomonas ruminantium. PLoS ONE, 2016, 11, e0166667.	2.5	15
11	Engineering and systems-level analysis of Saccharomyces cerevisiae for production of 3-hydroxypropionic acid via malonyl-CoA reductase-dependent pathway. Microbial Cell Factories, 2016, 15, 53.	4.0	98
12	Structural basis for cytokinin production by LOG from Corynebacterium glutamicum. Scientific Reports, 2016, 6, 31390.	3.3	23
13	Construction of Synthetic Promoter-Based Expression Cassettes for the Production of Cadaverine in Recombinant Corynebacterium glutamicum. Applied Biochemistry and Biotechnology, 2015, 176, 2065-2075.	2.9	47
14	Production of Î²-ionone by combined expression of carotenogenic and plant CCD1 genes in Saccharomyces cerevisiae. Microbial Cell Factories, 2015, 14, 84.	4.0	71
15	Structural insights into domain movement and cofactor specificity of glutamate dehydrogenase from Corynebacterium glutamicum. Biochemical and Biophysical Research Communications, 2015, 459, 387-392.	2.1	25
16	Development of engineered Escherichia coli whole-cell biocatalysts for high-level conversion of <scp>l</scp>-lysine into cadaverine. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 1481-1491.	3.0	35
17	Coupled incremental precursor and co-factor supply improves 3-hydroxypropionic acid production in Saccharomyces cerevisiae. Metabolic Engineering, 2014, 22, 104-109.	7.0	123
18	Bridging Omics Technologies with Synthetic Biology in Yeast Industrial Biotechnology. , 2012, , 271-327.		2

#	Article	IF	Citations
19	A systems-level approach for metabolic engineering of yeast cell factories. FEMS Yeast Research, 2012, 12, 228-248.	2.3	90