

Hyohak Song

List of Publications by Year in descending order

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32
papers

2,013
citations

304743

22
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

2174
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of succinic acid by bacterial fermentation. <i>Enzyme and Microbial Technology</i> , 2006, 39, 352-361.	3.2	669
2	Metabolic Engineering of <i>Clostridium acetobutylicum</i> ATCC 824 for Isopropanol-Butanol-Ethanol Fermentation. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1416-1423.	3.1	213
3	Microbial production of 2,3-butanediol for industrial applications. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 1583-1601.	3.0	107
4	Effects of dissolved CO ₂ levels on the growth of <i>Mannheimia succiniciproducens</i> and succinic acid production. <i>Biotechnology and Bioengineering</i> , 2007, 98, 1296-1304.	3.3	104
5	Deletion of lactate dehydrogenase in <i>Enterobacter aerogenes</i> to enhance 2,3-butanediol production. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 461-469.	3.6	88
6	Modeling of batch fermentation kinetics for succinic acid production by <i>Mannheimia succiniciproducens</i> . <i>Biochemical Engineering Journal</i> , 2008, 40, 107-115.	3.6	86
7	Recovery of succinic acid produced by fermentation of a metabolically engineered <i>Mannheimia succiniciproducens</i> strain. <i>Journal of Biotechnology</i> , 2007, 132, 445-452.	3.8	71
8	Development of chemically defined medium for <i>Mannheimia succiniciproducens</i> based on its genome sequence. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 263-272.	3.6	63
9	Metabolic engineering of a novel <i>Klebsiella oxytoca</i> strain for enhanced 2,3-butanediol production. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 186-192.	2.2	53
10	Highly selective production of succinic acid by metabolically engineered <i>Mannheimia succiniciproducens</i> and its efficient purification. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2168-2177.	3.3	53
11	Homo-succinic acid production by metabolically engineered <i>Mannheimia succiniciproducens</i> . <i>Metabolic Engineering</i> , 2016, 38, 409-417.	7.0	53
12	Modeling of batch experimental kinetics and application to fed-batch fermentation of <i>Clostridium tyrobutyricum</i> for enhanced butyric acid production. <i>Biochemical Engineering Journal</i> , 2010, 53, 71-76.	3.6	45
13	In silico aided metabolic engineering of <i>Klebsiella oxytoca</i> and fermentation optimization for enhanced 2,3-butanediol production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 1057-1066.	3.0	42
14	2,3-Butanediol recovery from fermentation broth by alcohol precipitation and vacuum distillation. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 464-470.	2.2	41
15	Isolation and characterization of the new <i>Klebsiella pneumoniae</i> J2B strain showing improved growth characteristics with reduced lipopolysaccharide formation. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 1134-1143.	2.6	33
16	Fermentation and evaluation of <i>Klebsiella pneumoniae</i> and <i>K. oxytoca</i> on the production of 2,3-butanediol. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 1081-1088.	3.4	33
17	2,3-Butanediol dehydration catalyzed by silica-supported sodium phosphates. <i>Applied Catalysis A: General</i> , 2016, 511, 156-167.	4.3	33
18	Effects of mutation of 2,3-butanediol formation pathway on glycerol metabolism and 1,3-propanediol production by <i>Klebsiella pneumoniae</i> J2B. <i>Bioresource Technology</i> , 2016, 214, 432-440.	9.6	31

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19	Isolation and Evaluation of Bacillus Strains for Industrial Production of 2,3-Butanediol. Journal of Microbiology and Biotechnology, 2018, 28, 409-417.	2.1	27
20	Enhanced production of (<i>R,R</i>)-2,3-butanediol by metabolically engineered <i>Klebsiella oxytoca</i> . Journal of Industrial Microbiology and Biotechnology, 2015, 42, 1419-1425.	3.0	26
21	Genome-scale reconstruction and in silico analysis of <i>Klebsiella oxytoca</i> for 2,3-butanediol production. Microbial Cell Factories, 2013, 12, 20.	4.0	24
22	Kinetic modeling of substrate and product inhibition for 2,3-butanediol production by <i>Klebsiella oxytoca</i> . Biochemical Engineering Journal, 2016, 114, 94-100.	3.6	24
23	Metabolic engineering of <i>Klebsiella pneumoniae</i> based on in silico analysis and its pilot-scale application for 1,3-propanediol and 2,3-butanediol co-production. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 431-441.	3.0	18
24	Characterization of ethanol fermentation waste and its application to lactic acid production by <i>Lactobacillus paracasei</i> . Bioprocess and Biosystems Engineering, 2013, 36, 547-554.	3.4	14
25	Metabolic engineering of <i>Klebsiella pneumoniae</i> and in silico investigation for enhanced 2,3-butanediol production. Biotechnology Letters, 2016, 38, 975-982.	2.2	13
26	Engineering a newly isolated <i>Bacillus licheniformis</i> strain for the production of (2 <i>R</i> ,3 <i>R</i>)-butanediol. Journal of Industrial Microbiology and Biotechnology, 2020, 47, 97-108.	3.0	12
27	Characterization and evaluation of corn steep liquid in acetone-butanol-ethanol production by <i>Clostridium acetobutylicum</i> . Biotechnology and Bioprocess Engineering, 2013, 18, 266-271.	2.6	10
28	CRISPR-Cas9 mediated engineering of <i>Bacillus licheniformis</i> for industrial production of (2 <i>R</i> ,3 <i>S</i>)-butanediol. Biotechnology Progress, 2021, 37, e3072.	2.6	9
29	Biological Control Efficacy and Action Mechanism of <i>Klebsiella pneumoniae</i> JCK-2201 Producing Meso-2,3-Butanediol Against Tomato Bacterial Wilt. Frontiers in Microbiology, 0, 13, .	3.5	7
30	CRISPR-Cas9 mediated metabolic engineering of a mucoid <i>Bacillus licheniformis</i> isolate for mass production of 2,3-butanediol. Biochemical Engineering Journal, 2021, 175, 108141.	3.6	6
31	Exogenous Bio-Based 2,3-Butanediols Enhanced Abiotic Stress Tolerance of Tomato and Turfgrass under Drought or Chilling Stress. Journal of Microbiology and Biotechnology, 2022, 32, 582-593.	2.1	4
32	Simultaneous and selective production of exopolymers and polyols by metabolically engineered <i>Bacillus licheniformis</i> strains. Biochemical Engineering Journal, 2022, 181, 108381.	3.6	1