

Xixian Xie

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42
papers

601
citations

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h-index

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42
ext. papers

802
ext. citations

4.9
avg, IF

3.8
L-index

#	Paper	IF	Citations
42	Current status on metabolic engineering for the production of l-aspartate family amino acids and derivatives. <i>Bioresource Technology</i> , 2017 , 245, 1588-1602	11	60
41	Pathway construction and metabolic engineering for fermentative production of ectoine in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2016 , 36, 10-18	9.7	45
40	Systems metabolic engineering strategies for the production of amino acids. <i>Synthetic and Systems Biotechnology</i> , 2017 , 2, 87-96	4.2	36
39	Effect of transport proteins on L-isoleucine production with the L-isoleucine-producing strain <i>Corynebacterium glutamicum</i> YILW. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012 , 39, 1549-56	4.2	35
38	High production of 4-hydroxyisoleucine in <i>Corynebacterium glutamicum</i> by multistep metabolic engineering. <i>Metabolic Engineering</i> , 2018 , 49, 287-298	9.7	34
37	Improved production of tryptophan in genetically engineered <i>Escherichia coli</i> with TktA and PpsA overexpression. <i>Journal of Biomedicine and Biotechnology</i> , 2012 , 2012, 605219		32
36	Enhancing (L)-isoleucine production by thrABC overexpression combined with alaT deletion in <i>Corynebacterium glutamicum</i> . <i>Applied Biochemistry and Biotechnology</i> , 2013 , 171, 20-30	3.2	25
35	Modification of glycolysis and its effect on the production of L-threonine in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 1007-15	4.2	24
34	Metabolic engineering of <i>Escherichia coli</i> for high-yield uridine production. <i>Metabolic Engineering</i> , 2018 , 49, 248-256	9.7	23
33	Improvement of uridine production of <i>Bacillus subtilis</i> by atmospheric and room temperature plasma mutagenesis and high-throughput screening. <i>PLoS ONE</i> , 2017 , 12, e0176545	3.7	20
32	High-yield production of L-valine in engineered <i>Escherichia coli</i> by a novel two-stage fermentation. <i>Metabolic Engineering</i> , 2020 , 62, 198-206	9.7	18
31	Production of ̢-ketobutyrate using engineered <i>Escherichia coli</i> via temperature shift. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 2054-9	4.9	18
30	Two-stage carbon distribution and cofactor generation for improving l-threonine production of <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2019 , 116, 110-120	4.9	18
29	Efficient fermentative production of L-theanine by <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 119-130	5.7	17
28	Identification and application of a growth-regulated promoter for improving L-valine production in <i>Corynebacterium glutamicum</i> . <i>Microbial Cell Factories</i> , 2018 , 17, 185	6.4	17
27	Optimization of carbon source and glucose feeding strategy for improvement of L-isoleucine production by. <i>Biotechnology and Biotechnological Equipment</i> , 2015 , 29, 374-380	1.6	15
26	A strategy for L-isoleucine dioxygenase screening and 4-hydroxyisoleucine production by resting cells. <i>Bioengineered</i> , 2018 , 9, 72-79	5.7	13

25	Metabolic engineering of <i>Bacillus subtilis</i> for the co-production of uridine and acetoin. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 8753-8762	5.7	13
24	Strategy for enhancing adenosine production under the guidance of transcriptional and metabolite pool analysis. <i>Biotechnology Letters</i> , 2015 , 37, 1361-9	3	11
23	CRISPRi-Based Dynamic Control of Carbon Flow for Efficient -Acetyl Glucosamine Production and Its Metabolomic Effects in. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 3203-3213	5.7	10
22	Modification of histidine biosynthesis pathway genes and the impact on production of L-histidine in <i>Corynebacterium glutamicum</i> . <i>Biotechnology Letters</i> , 2013 , 35, 735-41	3	10
21	Low-molecular-mass purine nucleoside phosphorylase: characterization and application in enzymatic synthesis of nucleoside antiviral drugs. <i>Biotechnology Letters</i> , 2011 , 33, 1107-12	3	10
20	Comparative Genomic and Genetic Functional Analysis of Industrial L-Leucine- and L-Valine-Producing Strains. <i>Journal of Microbiology and Biotechnology</i> , 2018 , 28, 1916-1927	3.3	10
19	Efficient production of Eketoglutarate in the <i>gdh</i> deleted <i>Corynebacterium glutamicum</i> by novel double-phase pH and biotin control strategy. <i>Bioprocess and Biosystems Engineering</i> , 2016 , 39, 967-76	3.7	9
18	Highly Efficient Production of L-Histidine from Glucose by Metabolically Engineered. <i>ACS Synthetic Biology</i> , 2020 , 9, 1813-1822	5.7	8
17	Enhancing the supply of oxaloacetate for L-glutamate production by <i>pyc</i> overexpression in different <i>Corynebacterium glutamicum</i> . <i>Biotechnology Letters</i> , 2013 , 35, 943-50	3	7
16	Reducing lactate secretion by <i>ldhA</i> Deletion in L-glutamate- producing strain <i>Corynebacterium glutamicum</i> GDK-9. <i>Brazilian Journal of Microbiology</i> , 2014 , 45, 1477-83	2.2	7
15	Flux redistribution of central carbon metabolism for efficient production of L-tryptophan in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2021 , 118, 1393-1404	4.9	7
14	Complete genome sequence of <i>Corynebacterium glutamicum</i> CP, a Chinese L-leucine producing strain. <i>Journal of Biotechnology</i> , 2016 , 220, 64-5	3.7	6
13	Multiple-step chromosomal integration of divided segments from a large DNA fragment via CRISPR/Cas9 in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 81-90	4.2	6
12	Transcriptomic and metabolomics analyses reveal metabolic characteristics of L-leucine- and L-valine-producing <i>Corynebacterium glutamicum</i> mutants. <i>Annals of Microbiology</i> , 2019 , 69, 457-468	3.2	6
11	Identification and application of a novel strong constitutive promoter in <i>Corynebacterium glutamicum</i> . <i>Annals of Microbiology</i> , 2018 , 68, 375-382	3.2	6
10	Structure-activity relationship of a cold-adapted purine nucleoside phosphorylase by site-directed mutagenesis. <i>Enzyme and Microbial Technology</i> , 2012 , 51, 59-65	3.8	4
9	Highly Efficient Production of -Acetyl-glucosamine in by Appropriate Catabolic Division of Labor in the Utilization of Mixed Glycerol/Glucose Carbon Sources. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 5966-5975	5.7	4
8	Betaine supplementation improved L-threonine fermentation of <i>Escherichia coli</i> THRD by upregulating <i>zwf</i> (glucose-6-phosphate dehydrogenase) expression. <i>Electronic Journal of Biotechnology</i> , 2019 , 39, 67-73	3.1	3

7	Mutation of genes for cell membrane synthesis in <i>Corynebacterium glutamicum</i> causes temperature-sensitive trait and promotes L-glutamate excretion. <i>Biotechnology and Biotechnological Equipment</i> , 2020 , 34, 38-47	1.6	3
6	Reconstructing a recycling and nonauxotroph biosynthetic pathway in <i>Escherichia coli</i> toward highly efficient production of L-citrulline. <i>Metabolic Engineering</i> , 2021 , 68, 220-231	9.7	3
5	Comparative metabolomic analysis reveals different evolutionary mechanisms for branched-chain amino acids production. <i>Bioprocess and Biosystems Engineering</i> , 2020 , 43, 85-95	3.7	3
4	Characterization of a recombinant cold-adapted purine nucleoside phosphorylase and its application in ribavirin bioconversion. <i>World Journal of Microbiology and Biotechnology</i> , 2011 , 27, 1175-1181	4.4	2
3	Pathway engineering of for one-step fermentative production of L-theanine from sugars and ethylamine. <i>Metabolic Engineering Communications</i> , 2020 , 11, e00151	6.5	2
2	Double deletion of and induced temperature sensitivity in. <i>Bioengineered</i> , 2019 , 10, 561-573	5.7	1
1	Metabolic engineering of <i>Escherichia coli</i> for efficient osmotic stress-free production of compatible solute hydroxyectoine. <i>Biotechnology and Bioengineering</i> , 2022 , 119, 89-101	4.9	0