Xixian Xie

List of Publications by Year in Descending Order

42 papers	601 citations	15 h-index	22 g-index
42 ext. papers	802 ext. citations	4.9 avg, IF	3.8 L-index

#	Paper	IF	Citations
42	Metabolic engineering of Escherichia coli for efficient osmotic stress-free production of compatible solute hydroxyectoine. *Biotechnology and Bioengineering*, **2022**, 119, 89-101	4.9	0
41	Reconstructing a recycling and nonauxotroph biosynthetic pathway in Escherichia coli toward highly efficient production of L-citrulline. *Metabolic Engineering*, **2021**, 68, 220-231	9.7	3
40	Highly Efficient Production of -Acetyl-glucosamine in by Appropriate Catabolic Division of Labor in the Utilization of Mixed Glycerol/Glucose Carbon Sources. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 5966-5975	5.7	4
39	Flux redistribution of central carbon metabolism for efficient production of l-tryptophan in Escherichia coli. *Biotechnology and Bioengineering*, **2021**, 118, 1393-1404	4.9	7
38	Highly Efficient Production of l-Histidine from Glucose by Metabolically Engineered. *ACS Synthetic Biology*, **2020**, 9, 1813-1822	5.7	8
37	CRISPRi-Based Dynamic Control of Carbon Flow for Efficient -Acetyl Glucosamine Production and Its Metabolomic Effects in. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 3203-3213	5.7	10
36	Mutation of genes for cell membrane synthesis in Corynebacterium glutamicum causes temperature-sensitive trait and promotes L-glutamate excretion. *Biotechnology and Biotechnological Equipment*, **2020**, 34, 38-47	1.6	3
35	Efficient fermentative production of L-theanine by Corynebacterium glutamicum. *Applied Microbiology and Biotechnology*, **2020**, 104, 119-130	5.7	17
34	Pathway engineering of for one-step fermentative production of L-theanine from sugars and ethylamine. *Metabolic Engineering Communications*, **2020**, 11, e00151	6.5	2
33	High-yield production of L-valine in engineered Escherichia coli by a novel two-stage fermentation. *Metabolic Engineering*, **2020**, 62, 198-206	9.7	18
32	Comparative metabolomic analysis reveals different evolutionary mechanisms for branched-chain amino acids production. *Bioprocess and Biosystems Engineering*, **2020**, 43, 85-95	3.7	3
31	Betaine supplementation improved l-threonine fermentation of Escherichia coli THRD by upregulating zwf (glucose-6-phosphate dehydrogenase) expression. *Electronic Journal of Biotechnology*, **2019**, 39, 67-73	3.1	3
30	Double deletion of and induced temperature sensitivity in. *Bioengineered*, **2019**, 10, 561-573	5.7	1
29	Multiple-step chromosomal integration of divided segments from a large DNA fragment via CRISPR/Cas9 in Escherichia coli. *Journal of Industrial Microbiology and Biotechnology*, **2019**, 46, 81-90	4.2	6
28	Transcriptomic and metabolomics analyses reveal metabolic characteristics of L-leucine- and L-valine-producing Corynebacterium glutamicum mutants. *Annals of Microbiology*, **2019**, 69, 457-468	3.2	6
27	Two-stage carbon distribution and cofactor generation for improving l-threonine production of Escherichia coli. *Biotechnology and Bioengineering*, **2019**, 116, 110-120	4.9	18
26	A strategy for L-isoleucine dioxygenase screening and 4-hydroxyisoleucine production by resting cells. *Bioengineered*, **2018**, 9, 72-79	5.7	13

25	Metabolic engineering of Bacillus subtilis for the co-production of uridine and acetoin. *Applied Microbiology and Biotechnology*, **2018**, 102, 8753-8762	5.7	13
24	Comparative Genomic and Genetic Functional Analysis of Industrial L-Leucine- and L-Valine-Producing Strains. *Journal of Microbiology and Biotechnology*, **2018**, 28, 1916-1927	3.3	10
23	Identification and application of a growth-regulated promoter for improving L-valine production in Corynebacterium glutamicum. *Microbial Cell Factories*, **2018**, 17, 185	6.4	17
22	High production of 4-hydroxyisoleucine in Corynebacterium glutamicum by multistep metabolic engineering. *Metabolic Engineering*, **2018**, 49, 287-298	9.7	34
21	Metabolic engineering of Escherichia coli for high-yield uridine production. *Metabolic Engineering*, **2018**, 49, 248-256	9.7	23
20	Identification and application of a novel strong constitutive promoter in Corynebacterium glutamicum. *Annals of Microbiology*, **2018**, 68, 375-382	3.2	6
19	Current status on metabolic engineering for the production of l-aspartate family amino acids and derivatives. *Bioresource Technology*, **2017**, 245, 1588-1602	11	60
18	Improvement of uridine production of Bacillus subtilis by atmospheric and room temperature plasma mutagenesis and high-throughput screening. *PLoS ONE*, **2017**, 12, e0176545	3.7	20
17	Systems metabolic engineering strategies for the production of amino acids. *Synthetic and Systems Biotechnology*, **2017**, 2, 87-96	4.2	36
16	Complete genome sequence of Corynebacterium glutamicum CP, a Chinese l-leucine producing strain. *Journal of Biotechnology*, **2016**, 220, 64-5	3.7	6
15	Efficient production of Ɛketoglutarate in the gdh deleted Corynebacterium glutamicum by novel double-phase pH and biotin control strategy. *Bioprocess and Biosystems Engineering*, **2016**, 39, 967-76	3.7	9
14	Pathway construction and metabolic engineering for fermentative production of ectoine in Escherichia coli. *Metabolic Engineering*, **2016**, 36, 10-18	9.7	45
13	Production of Ɛketobutyrate using engineered Escherichia coli via temperature shift. *Biotechnology and Bioengineering*, **2016**, 113, 2054-9	4.9	18
12	Strategy for enhancing adenosine production under the guidance of transcriptional and metabolite pool analysis. *Biotechnology Letters*, **2015**, 37, 1361-9	3	11
11	Optimization of carbon source and glucose feeding strategy for improvement of L-isoleucine production by. *Biotechnology and Biotechnological Equipment*, **2015**, 29, 374-380	1.6	15
10	Modification of glycolysis and its effect on the production of L-threonine in Escherichia coli. *Journal of Industrial Microbiology and Biotechnology*, **2014**, 41, 1007-15	4.2	24
9	Reducing lactate secretion by ldhA Deletion in L-glutamate- producing strain Corynebacterium glutamicum GDK-9. *Brazilian Journal of Microbiology*, **2014**, 45, 1477-83	2.2	7
8	Enhancing the supply of oxaloacetate for L-glutamate production by pyc overexpression in different Corynebacterium glutamicum. *Biotechnology Letters*, **2013**, 35, 943-50	3	7

7	Enhancing (L)-isoleucine production by thrABC overexpression combined with alaT deletion in Corynebacterium glutamicum. *Applied Biochemistry and Biotechnology*, **2013**, 171, 20-30	3.2	25
6	Modification of histidine biosynthesis pathway genes and the impact on production of L-histidine in Corynebacterium glutamicum. *Biotechnology Letters*, **2013**, 35, 735-41	3	10
5	Structure-activity relationship of a cold-adapted purine nucleoside phosphorylase by site-directed mutagenesis. *Enzyme and Microbial Technology*, **2012**, 51, 59-65	3.8	4
4	Effect of transport proteins on L-isoleucine production with the L-isoleucine-producing strain Corynebacterium glutamicum YILW. *Journal of Industrial Microbiology and Biotechnology*, **2012**, 39, 1549-56	4.2	35
3	Improved production of tryptophan in genetically engineered Escherichia coli with TktA and PpsA overexpression. *Journal of Biomedicine and Biotechnology*, **2012**, 2012, 605219		32
2	Low-molecular-mass purine nucleoside phosphorylase: characterization and application in enzymatic synthesis of nucleoside antiviral drugs. *Biotechnology Letters*, **2011**, 33, 1107-12	3	10
1	Characterization of a recombinant cold-adapted purine nucleoside phosphorylase and its application in ribavirin bioconversion. *World Journal of Microbiology and Biotechnology*, **2011**, 27, 1175-1181	4.4	2