Liming Liu

List of Publications by Year
in descending order

205	5,960	41	61
papers	citations	h-index	g-index
		71102	123424

225	225	225	4956
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in microbial engineering for the production of value-added products in a biorefinery. Systems Microbiology and Biomanufacturing, 2023, 3, 246-261.	2.9	3
2	Efficient synthesis of tyrosol from L-tyrosine via heterologous Ehrlich pathway in Escherichia coli. Chinese Journal of Chemical Engineering, 2022, 47, 18-30.	3.5	5
3	Engineering membrane asymmetry to increase mediumâ€chain fatty acid tolerance in <i>Saccharomyces cerevisiae</i>. Biotechnology and Bioengineering, 2022, 119, 277-286.	3.3	2
4	Improving succinate production by engineering oxygen-dependent dynamic pathway regulation in Escherichia coli. Systems Microbiology and Biomanufacturing, 2022, 2, 331-344.	2.9	4
5	Synergistic Metabolism of Glucose and Formate Increases the Yield of Short-Chain Organic Acids in <i>Escherichia coli</i>. ACS Synthetic Biology, 2022, 11, 135-143.	3.8	16
6	Bifunctional optogenetic switch for improving shikimic acid production in E. coli. , 2022, 15, 13.		10
7	A CRISPRâ€"Cas9 System-Mediated Genetic Disruption and Multi-fragment Assembly in <i>Starmerella bombicola</i>. ACS Synthetic Biology, 2022, , .	3.8	6
8	Mediator Engineering of <i>Saccharomyces cerevisiae</i> To Improve Multidimensional Stress Tolerance. Applied and Environmental Microbiology, 2022, 88, e0162721.	3.1	7
9	Enhancing biofuels production by engineering the actin cytoskeleton in Saccharomyces cerevisiae. Nature Communications, 2022, 13, 1886.	12.8	20
10	Enhancing tryptophan production by balancing precursors in <i>Escherichia coli</i>. Biotechnology and Bioengineering, 2022, 119, 983-993.	3.3	17
11	Production of phenylpyruvic acid by engineered l-amino acid deaminase from Proteus mirabilis. Biotechnology Letters, 2022, 44, 635-642.	2.2	3
12	Advances in microbial production of feed amino acid. Advances in Applied Microbiology, 2022, , 1-33.	2.4	3
13	Advances in microbial synthesis of bioplastic monomers. Advances in Applied Microbiology, 2022, , .	2.4	0
14	Bacterial photosynthesis: state-of-the-art in light-driven carbon fixation in engineered bacteria. Current Opinion in Microbiology, 2022, 69, 102174.	5.1	7
15	Chassis engineering of Escherichia coli for trans â€4â€hydroxyâ€l â€proline production. Microbial Biotechnology, 2021, 14, 392-402.	4.2	6
16	Enzymatic production of trans â€4â€hydroxyâ€l â€proline by proline 4â€hydroxylase. Microbial Biotechnology, 2021, 14, 479-487.	4.2	5
17	Temperatureâ€induced mutagenesisâ€based adaptive evolution of Bacillus amyloliquefaciens for improving the production efficiency of menaquinoneâ€7 from starch. Journal of Chemical Technology and Biotechnology, 2021, 96, 1040-1048.	3.2	5
18	Efficient biosynthesis of polysaccharide welan gum in heat shock protein-overproducing Sphingomonas sp. via temperature-dependent strategy. Bioprocess and Biosystems Engineering, 2021, 44, 247-257.	3.4	4

#	Article	IF	Citations
19	Microbial engineering for the production of C₂â€“C₆organic acids. Natural Product Reports, 2021, 38, 1518-1546.	10.3	17
20	A biosynthesis pathway for 3-hydroxypropionic acid production in genetically engineered <i>Saccharomyces cerevisiae</i>. Green Chemistry, 2021, 23, 4502-4509.	9.0	13
21	Microbial physiological engineering increases the efficiency of microbial cell factories. Critical Reviews in Biotechnology, 2021, 41, 339-354.	9.0	14
22	One-Pot Enzymaticâ€“Chemical Cascade Route for Synthesizing Aromatic Î±-Hydroxy Ketones. ACS Catalysis, 2021, 11, 2808-2818.	11.2	10
23	Enhancing L-malate production of Aspergillus oryzae by nitrogen regulation strategy. Applied Microbiology and Biotechnology, 2021, 105, 3101-3113.	3.6	10
24	Light-driven CO2 sequestration in Escherichia coli to achieve theoretical yield of chemicals. Nature Catalysis, 2021, 4, 395-406.	34.4	75
25	Engineering the Cad pathway in Escherichia coli to produce glutarate from l-lysine. Applied Microbiology and Biotechnology, 2021, 105, 3587-3599.	3.6	15
26	A multi-enzyme cascade for efficient production of d-p-hydroxyphenylglycine from l-tyrosine. Bioresources and Bioprocessing, 2021, 8, .	4.2	18
27	Dynamic control of the distribution of carbon flux between cell growth and butyrate biosynthesis in Escherichia coli. Applied Microbiology and Biotechnology, 2021, 105, 5173-5187.	3.6	2
28	Efficient Synthesis of Dâ€Phenylalanine from Lâ€Phenylalanine via a Triâ€Enzymatic Cascade Pathway. ChemCatChem, 2021, 13, 3165-3173.	3.7	6
29	Dynamic regulation of membrane integrity to enhance <scp>l</scp>â€malate stress tolerance in <i>Candida glabrata</i>. Biotechnology and Bioengineering, 2021, 118, 4347-4359.	3.3	10
30	Reprogramming <i>Escherichia coli</i> Metabolism for Bioplastics Synthesis from Waste Cooking Oil. ACS Synthetic Biology, 2021, 10, 1966-1979.	3.8	9
31	Rational design of a highly efficient catalytic system for the production of PAPS from ATP and its application in the synthesis of chondroitin sulfate. Biotechnology and Bioengineering, 2021, 118, 4503-4515.	3.3	10
32	Enhanced Catalytic Efficiency of Lâ€amino Acid Deaminase Achieved by a Shorter Hydride Transfer Distance. ChemCatChem, 2021, 13, 4557-4566.	3.7	7
33	Expanding the lysine industry: biotechnological production of l-lysine and its derivatives. Advances in Applied Microbiology, 2021, 115, 1-33.	2.4	6
34	Engineering a CRISPRi Circuit for Autonomous Control of Metabolic Flux in <i>Escherichia coli</i>. ACS Synthetic Biology, 2021, 10, 2661-2671.	3.8	9
35	Local Electric Field Modulated Reactivity of <i>Pseudomonas aeruginosa</i> Acid Phosphatase for Enhancing Phosphorylation of <scp>l</scp>-Ascorbic Acid. ACS Catalysis, 2021, 11, 13397-13407.	11.2	10
36	Immobilization of Microbial Consortium for Glutaric Acid Production from Lysine. ChemCatChem, 2021, 13, 5047-5055.	3.7	6

#	Article	IF	Citations
37	Editorial: Biosynthesis of Amino Acids and Their Derived Chemicals From Renewable Feedstock. Frontiers in Bioengineering and Biotechnology, 2021, 9, 770002.	4.1	1
38	Engineering microbial metabolic energy homeostasis for improved bioproduction. Biotechnology Advances, 2021, 53, 107841.	11.7	8
39	Engineering Escherichia coli biofilm to increase contact surface for shikimate and L-malate production. Bioresources and Bioprocessing, 2021, 8, .	4.2	6
40	Enzymatic Production of Ascorbic Acid-2-Phosphate by Engineered Pseudomonas aeruginosa Acid Phosphatase. Journal of Agricultural and Food Chemistry, 2021, 69, 14215-14221.	5.2	5
41	Reprogramming microbial populations using a programmed lysis system to improve chemical production. Nature Communications, 2021, 12, 6886.	12.8	13
42	Efficient production of phenylpropionic acids by an aminoâ€groupâ€transformation biocatalytic cascade. Biotechnology and Bioengineering, 2020, 117, 614-625.	3.3	9
43	Engineering of membrane phospholipid component enhances salt stress tolerance in <i>Saccharomyces cerevisiae</i>. Biotechnology and Bioengineering, 2020, 117, 710-720.	3.3	27
44	Biocatalytic derivatization of proteinogenic amino acids for fine chemicals. Biotechnology Advances, 2020, 40, 107496.	11.7	15
45	Recent advances in biocatalytic derivatization of l-tyrosine. Applied Microbiology and Biotechnology, 2020, 104, 9907-9920.	3.6	9
46	Microbial cell engineering to improve cellular synthetic capacity. Biotechnology Advances, 2020, 45, 107649.	11.7	15
47	Open Gate of <i>Corynebacterium glutamicum</i> Threonine Deaminase for Efficient Synthesis of Bulky Î±-Keto Acids. ACS Catalysis, 2020, 10, 9994-10004.	11.2	36
48	Engineering the transmission efficiency of the noncyclic glyoxylate pathway for fumarate production in Escherichia coli. Biotechnology for Biofuels, 2020, 13, 132.	6.2	12
49	Accelerated Green Process of 2,5-Dimethylpyrazine Production from Glucose by Genetically Modified <i>Escherichia coli</i>. ACS Synthetic Biology, 2020, 9, 2576-2587.	3.8	8
50	Candida glabrata Yap6 Recruits Med2 To Alter Glycerophospholipid Composition and Develop Acid pH Stress Resistance. Applied and Environmental Microbiology, 2020, 86, .	3.1	4
51	Light-powered Escherichia coli cell division for chemical production. Nature Communications, 2020, 11, 2262.	12.8	51
52	Rewiring carbon flux in Escherichia coli using a bifunctional molecular switch. Metabolic Engineering, 2020, 61, 47-57.	7.0	34
53	Engineering microbial cell morphology and membrane homeostasis toward industrial applications. Current Opinion in Biotechnology, 2020, 66, 18-26.	6.6	26
54	Pathway engineering of <i>Escherichia coli</i> for Î±â€ketoglutaric acid production. Biotechnology and Bioengineering, 2020, 117, 2791-2801.	3.3	17

#	Article	IF	Citations
55	Pathway dissection, regulation, engineering and application: lessons learned from biobutanol production by solventogenic clostridia. Biotechnology for Biofuels, 2020, 13, 39.	6.2	65
56	Oxidative Stress Induction Is a Rational Strategy to Enhance the Productivity of <i>Antrodia cinnamomea</i> Fermentations for the Antioxidant Secondary Metabolite Antrodin C. Journal of Agricultural and Food Chemistry, 2020, 68, 3995-4004.	5.2	8
57	Improving lysine production through construction of an <i>Escherichia coli</i> enzymeâ€constrained model. Biotechnology and Bioengineering, 2020, 117, 3533-3544.	3.3	47
58	Engineering protonation conformation of <scp>l</scp>â€aspartateâ€Î±â€decarboxylase to relieve mechanismâ€based inactivation. Biotechnology and Bioengineering, 2020, 117, 1607-1614.	3.3	22
59	Metabolic engineering of carbohydrate metabolism systems in Corynebacterium glutamicum for improving the efficiency of l-lysine production from mixed sugar. Microbial Cell Factories, 2020, 19, 39.	4.0	32
60	Sml1 Inhibits the DNA Repair Activity of Rev1 in Saccharomyces cerevisiae during Oxidative Stress. Applied and Environmental Microbiology, 2020, 86, .	3.1	4
61	Engineering Escherichia coli lifespan for enhancing chemical production. Nature Catalysis, 2020, 3, 307-318.	34.4	61
62	Comprehensive understanding of <i>Saccharomyces cerevisiae</i> phenotypes with wholeâ€cell model WM_S288C. Biotechnology and Bioengineering, 2020, 117, 1562-1574.	3.3	23
63	Enhancement of Sphingolipid Synthesis Improves Osmotic Tolerance of Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2020, 86, .	3.1	25
64	Enhancement of Î±-ketoisovalerate production by relieving the product inhibition of l-amino acid deaminase from Proteus mirabilis. Chinese Journal of Chemical Engineering, 2020, 28, 2190-2199.	3.5	4
65	<i>Cg</i> Cmk1 Activates <i>Cg</i> Rds2 To Resist Low-pH Stress in Candida glabrata. Applied and Environmental Microbiology, 2020, 86, .	3.1	7
66	Dynamic consolidated bioprocessing for direct production of xylonate and shikimate from xylan by Escherichia coli. Metabolic Engineering, 2020, 60, 128-137.	7.0	20
67	Genetic Circuit-Assisted Smart Microbial Engineering. Trends in Microbiology, 2019, 27, 1011-1024.	7.7	45
68	Programmable biomolecular switches for rewiring flux in Escherichia coli. Nature Communications, 2019, 10, 3751.	12.8	84
69	Isolation and Characterization of Three Antihypertension Peptides from the Mycelia of <i>Ganoderma Lucidum</i> (Agaricomycetes). Journal of Agricultural and Food Chemistry, 2019, 67, 8149-8159.	5.2	49
70	Production of enantiopure (R)- or (S)-2-hydroxy-4-(methylthio)butanoic acid by multi-enzyme cascades. Bioresources and Bioprocessing, 2019, 6, .	4.2	4
71	<i>Cg</i> Hog1-Mediated <i>Cg</i> Rds2 Phosphorylation Alters Glycerophospholipid Composition To Coordinate Osmotic Stress in <i>Candida glabrata</i>. Applied and Environmental Microbiology, 2019, 85, .	3.1	16
72	Morphology engineering of <i>Aspergillus oryzae</i> for <scp>l</scp>â€malate production. Biotechnology and Bioengineering, 2019, 116, 2662-2673.	3.3	27

#	Article	IF	Citations
73	Computational inference of the transcriptional regulatory network of Candida glabrata. FEMS Yeast Research, 2019, 19, .	2.3	0
74	Production of bioactive metabolites by submerged fermentation of the medicinal mushroom <i>Antrodia cinnamomea</i>: recent advances and future development. Critical Reviews in Biotechnology, 2019, 39, 541-554.	9.0	42
75	Production of Î±â€Ketoisocaproate and Î±â€Ketoâ€Î²â€Methylvalerate by Engineered Lâ€Amino Acid Deaminase. ChemCatChem, 2019, 11, 2464-2472.	3.7	13
76	Metabolic engineering of glucose uptake systems in <i>Corynebacterium glutamicum</i> for improving the efficiency of <scp>l</scp>-lysine production. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 937-949.	3.0	30
77	Kick-starting evolution efficiency with an autonomous evolution mutation system. Metabolic Engineering, 2019, 54, 127-136.	7.0	20
78	Overexpression of thermostable meso-diaminopimelate dehydrogenase to redirect diaminopimelate pathway for increasing L-lysine production in Escherichia coli. Scientific Reports, 2019, 9, 2423.	3.3	8
79	Recycling of cooking oil fume condensate for the production of rhamnolipids by Pseudomonas aeruginosa WB505. Bioprocess and Biosystems Engineering, 2019, 42, 777-784.	3.4	10
80	High-Throughput Screening of a 2-Keto-L-Gulonic Acid-Producing Gluconobacter oxydans Strain Based on Related Dehydrogenases. Frontiers in Bioengineering and Biotechnology, 2019, 7, 385.	4.1	14
81	Spatial modulation and cofactor engineering of key pathway enzymes for fumarate production in Candida glabrata. Biotechnology and Bioengineering, 2019, 116, 622-630.	3.3	21
82	Engineering microbial membranes to increase stress tolerance of industrial strains. Metabolic Engineering, 2019, 53, 24-34.	7.0	94
83	Engineering Microorganisms for Enhanced CO2 Sequestration. Trends in Biotechnology, 2019, 37, 532-547.	9.3	86
84	Production, structure and morphology of exopolysaccharides yielded by submerged fermentation of Antrodia cinnamomea. Carbohydrate Polymers, 2019, 205, 271-278.	10.2	25
85	Lsm12 Mediates Deubiquitination of DNA Polymerase Î· To Help <i>Saccharomyces cerevisiae</i> Resist Oxidative Stress. Applied and Environmental Microbiology, 2019, 85, .	3.1	10
86	Enhancement of malate production through engineering of the periplasmic rTCA pathway in <i>Escherichia coli</i>. Biotechnology and Bioengineering, 2018, 115, 1571-1580.	3.3	37
87	Genome-scale biological models for industrial microbial systems. Applied Microbiology and Biotechnology, 2018, 102, 3439-3451.	3.6	14
88	Rational modification of <i>Corynebacterium glutamicum</i> dihydrodipicolinate reductase to switch the nucleotideâ€cofactor specificity for increasing <scp>l</scp>â€lysine production. Biotechnology and Bioengineering, 2018, 115, 1764-1777.	3.3	21
89	Enhancing fructosylated chondroitin production in Escherichia coli K4 by balancing the UDP-precursors. Metabolic Engineering, 2018, 47, 314-322.	7.0	42
90	Hacking an Algal Transcription Factor for Lipid Biosynthesis. Trends in Plant Science, 2018, 23, 181-184.	8.8	14

#	Article	IF	Citations
91	Gene Circuits for Dynamically Regulating Metabolism. Trends in Biotechnology, 2018, 36, 751-754.	9.3	19
92	A selective and sensitive nanosensor for fluorescent detection of specific IgEs to purified allergens in human serum. RSC Advances, 2018, 8, 3547-3555.	3.6	3
93	Development of an Escherichia coli-based biocatalytic system for the efficient synthesis of N-acetyl-D-neuraminic acid. Metabolic Engineering, 2018, 47, 374-382.	7.0	18
94	DCEO Biotechnology: Tools To Design, Construct, Evaluate, and Optimize the Metabolic Pathway for Biosynthesis of Chemicals. Chemical Reviews, 2018, 118, 4-72.	47.7	141
95	Enhanced pyruvate production in Candida glabrata by overexpressing the CgAMD1 gene to improve acid tolerance. Biotechnology Letters, 2018, 40, 143-149.	2.2	7
96	A novel high-yield process of phospholipase D-mediated phosphatidylserine production with cyclopentyl methyl ether. Process Biochemistry, 2018, 66, 146-149.	3.7	11
97	Metabolic Model Reconstruction and Analysis of an Artificial Microbial Ecosystem. Methods in Molecular Biology, 2018, 1716, 219-238.	0.9	1
98	Engineering <i>Escherichia coli</i> for malate production by integrating modular pathway characterization with CRISPRiâ€guided multiplexed metabolic tuning. Biotechnology and Bioengineering, 2018, 115, 661-672.	3.3	77
99	Reconstruction and Analysis of a Genome-Scale Metabolic Model of Ganoderma lucidum for Improved Extracellular Polysaccharide Production. Frontiers in Microbiology, 2018, 9, 3076.	3.5	26
100	Enhancement of Pyruvate Productivity in Candida glabrata by Deleting the CgADE13 Gene to Improve Acid Tolerance. Biotechnology and Bioprocess Engineering, 2018, 23, 573-579.	2.6	3
101	Bioproduction, purification, and application of polysialic acid. Applied Microbiology and Biotechnology, 2018, 102, 9403-9409.	3.6	7
102	Asymmetric assembly of high-value Î±-functionalized organic acids using a biocatalytic chiral-group-resetting process. Nature Communications, 2018, 9, 3818.	12.8	46
103	Production of Î²â€Alanine from Fumaric Acid Using a Dualâ€Enzyme Cascade. ChemCatChem, 2018, 10, 4984-4991.	3.7	39
104	Candida glabrata Med3 Plays a Role in Altering Cell Size and Budding Index To Coordinate Cell Growth. Applied and Environmental Microbiology, 2018, 84, .	3.1	3
105	Engineering synergetic CO2-fixing pathways for malate production. Metabolic Engineering, 2018, 47, 496-504.	7.0	55
106	A multifunctional tag with the ability to benefit the expression, purification, thermostability and activity of recombinant proteins. Journal of Biotechnology, 2018, 283, 1-10.	3.8	23
107	Enhancing l-malate production of Aspergillus oryzae FMME218-37 by improving inorganic nitrogen utilization. Applied Microbiology and Biotechnology, 2018, 102, 8739-8751.	3.6	29
108	Engineering rTCA pathway and C4-dicarboxylate transporter for l-malic acid production. Applied Microbiology and Biotechnology, 2017, 101, 4041-4052.	3.6	57

#	Article	IF	Citations
109	Efficient agmatine production using an arginine decarboxylase with substrateâ€specific activity. Journal of Chemical Technology and Biotechnology, 2017, 92, 2383-2391.	3.2	7
110	Genome-scale metabolic modelling common cofactors metabolism in microorganisms. Journal of Biotechnology, 2017, 251, 1-13.	3.8	15
111	IMGMD: A platform for the integration and standardisation of In silico Microbial Genome-scale Metabolic Models. Scientific Reports, 2017, 7, 727.	3.3	9
112	Engineering of the Conformational Dynamics of Lipase To Increase Enantioselectivity. ACS Catalysis, 2017, 7, 7593-7599.	11.2	35
113	Increased Processivity, Misincorporation, and Nucleotide Incorporation Efficiency in Sulfolobus solfataricus Dpo4 Thumb Domain Mutants. Applied and Environmental Microbiology, 2017, 83, .	3.1	4
114	Med15B Regulates Acid Stress Response and Tolerance in Candida glabrata by Altering Membrane Lipid Composition. Applied and Environmental Microbiology, 2017, 83, .	3.1	46
115	Engineering a new metabolic pathway for itaconate production in Pichia stipitis from xylose. Biochemical Engineering Journal, 2017, 126, 101-108.	3.6	5
116	Efficient production of (R)-3-TBDMSO glutaric acid methyl monoester by manipulating the substrate pocket of Pseudozyma antarctica lipase B. RSC Advances, 2017, 7, 38264-38272.	3.6	3
117	<i>CgMED3</i> Changes Membrane Sterol Composition To Help Candida glabrata Tolerate Low-pH Stress. Applied and Environmental Microbiology, 2017, 83, .	3.1	26
118	Metabolic engineering of <i>Escherichia coli</i> W3110 to produce Lâ€malate. Biotechnology and Bioengineering, 2017, 114, 656-664.	3.3	67
119	Crz1p Regulates pH Homeostasis in Candida glabrata by Altering Membrane Lipid Composition. Applied and Environmental Microbiology, 2016, 82, 6920-6929.	3.1	30
120	Genome Sequencing of the Pyruvate-producing Strain Candida glabrata CCTCC M202019 and Genomic Comparison with Strain CBS138. Scientific Reports, 2016, 6, 34893.	3.3	13
121	Pyruvate production in<i>Candida glabrata</i>: manipulation and optimization of physiological function. Critical Reviews in Biotechnology, 2016, 36, 1-10.	9.0	42
122	Enhancement of alpha-ketoglutaric acid production from l-glutamic acid by high-cell-density cultivation. Journal of Molecular Catalysis B: Enzymatic, 2016, 126, 10-17.	1.8	18
123	Reconstruction and analysis of a genome-scale metabolic network of Corynebacterium glutamicum S9114. Gene, 2016, 575, 615-622.	2.2	27
124	Modular optimization of multi-gene pathways for fumarate production. Metabolic Engineering, 2016, 33, 76-85.	7.0	51
125	Fumarate Production by Torulopsis glabrata: Engineering Heterologous Fumarase Expression and Improving Acid Tolerance. PLoS ONE, 2016, 11, e0164141.	2.5	8
126	Fumaric acid production by <i>Torulopsis glabrata</i>: Engineering the urea cycle and the purine nucleotide cycle. Biotechnology and Bioengineering, 2015, 112, 156-167.	3.3	52

#	Article	IF	Citations
127	Synergistic function of four novel thermostable glycoside hydrolases from a long-term enriched thermophilic methanogenic digester. Frontiers in Microbiology, 2015, 6, 509.	3.5	18
128	Reconstruction and in silico analysis of an Actinoplanes sp. SE50/110 genome-scale metabolic model for acarbose production. Frontiers in Microbiology, 2015, 6, 632.	3.5	10
129	Transcription factors Asg1p and Hal9p regulate pH homeostasis in Candida glabrata. Frontiers in Microbiology, 2015, 6, 843.	3.5	24
130	Mitochondrial fusion and fission are involved in stress tolerance of Candida glabrata. Bioresources and Bioprocessing, 2015, 2, .	4.2	9
131	Enzymatic production of l-citrulline by hydrolysis of the guanidinium group of l-arginine with recombinant arginine deiminase. Journal of Biotechnology, 2015, 208, 37-43.	3.8	24
132	Mitochondrial engineering of the TCA cycle for fumarate production. Metabolic Engineering, 2015, 31, 62-73.	7.0	29
133	Enzymatic production of agmatine by recombinant arginine decarboxylase. Journal of Molecular Catalysis B: Enzymatic, 2015, 121, 1-8.	1.8	14
134	Identification of a critical determinant that enables efficient fatty acid synthesis in oleaginous fungi. Scientific Reports, 2015, 5, 11247.	3.3	83
135	Reconstruction and analysis of a genome-scale metabolic model of the oleaginous fungus Mortierella alpina. BMC Systems Biology, 2015, 9, 1.	3.0	131
136	Biolistic Transformation of Candida glabrata for Homoplasmic Mitochondrial Genome Transformants. Fungal Biology, 2015, , 119-127.	0.6	0
137	Genome-wide association study identifies new susceptibility loci for adolescent idiopathic scoliosis in Chinese girls. Nature Communications, 2015, 6, 8355.	12.8	104
138	Reconstruction and analysis of the genome-scale metabolic model of schizochytrium limacinum SR21 for docosahexaenoic acid production. BMC Genomics, 2015, 16, 799.	2.8	50
139	Green synthesis of (R)-3-TBDMSO glutaric acid methyl monoester using Novozym 435 in non-aqueous media. RSC Advances, 2015, 5, 75160-75166.	3.6	6
140	Compartmentalizing metabolic pathway in Candida glabrata for acetoin production. Metabolic Engineering, 2015, 28, 1-7.	7.0	43
141	Reconstruction and analysis of the genome-scale metabolic model of Lactobacillus casei LC2W. Gene, 2015, 554, 140-147.	2.2	33
142	Metabolic Engineering of Candida glabrata for Diacetyl Production. PLoS ONE, 2014, 9, e89854.	2.5	13
143	Urea enhances cell growth and pyruvate production in <i>Torulopsis glabrata</i>. Biotechnology Progress, 2014, 30, 19-27.	2.6	16
144	Metabolic model reconstruction and analysis of an artificial microbial ecosystem for vitamin C production. Journal of Biotechnology, 2014, 182-183, 61-67.	3.8	34

#	Article	IF	Citations
145	Two non-exclusive strategies employed to protect Torulopsis glabrata against hyperosmotic stress. Applied Microbiology and Biotechnology, 2014, 98, 3099-3110.	3.6	3
146	Engineering of carboligase activity reaction in Candida glabrata for acetoin production. Metabolic Engineering, 2014, 22, 32-39.	7.0	30
147	Enzymatic production of l-ornithine from l-arginine with recombinant thermophilic arginase. Journal of Molecular Catalysis B: Enzymatic, 2014, 110, 1-7.	1.8	17
148	KfoE encodes a fructosyltransferase involved in capsular polysaccharide biosynthesis in Escherichia coli K4. Biotechnology Letters, 2014, 36, 1469-1477.	2.2	19
149	Enhancement of acetoin production in Candida glabrata by in silico-aided metabolic engineering. Microbial Cell Factories, 2014, 13, 55.	4.0	23
150	Enzymatic production of Î±-ketoglutaric acid from l-glutamic acid via l-glutamate oxidase. Journal of Biotechnology, 2014, 179, 56-62.	3.8	50
151	Development of a minimal chemically defined medium for Ketogulonicigenium vulgare WSH001 based on its genome-scale metabolic model. Journal of Biotechnology, 2014, 169, 15-22.	3.8	20
152	Engineering redox balance through cofactor systems. Trends in Biotechnology, 2014, 32, 337-343.	9.3	138
153	Relationship Between Morphology and Itaconic Acid Production by Aspergillus terreus. Journal of Microbiology and Biotechnology, 2014, 24, 168-176.	2.1	26
154	Transcriptional engineering of <i>Escherichia coli</i> K4 for fructosylated chondroitin production. Biotechnology Progress, 2013, 29, 1140-1149.	2.6	37
155	Reconstruction and analysis of the industrial strain Bacillus megaterium WSH002 genome-scale in silico metabolic model. Journal of Biotechnology, 2013, 164, 503-509.	3.8	25
156	Fumaric acid production in Saccharomyces cerevisiae by simultaneous use of oxidative and reductive routes. Bioresource Technology, 2013, 148, 91-96.	9.6	51
157	Glutathione enhances 2-keto-l-gulonic acid production based on Ketogulonicigenium vulgare model iWZ663. Journal of Biotechnology, 2013, 164, 454-460.	3.8	12
158	Metabolic engineering of Torulopsis glabrata for malate production. Metabolic Engineering, 2013, 19, 10-16.	7.0	83
159	Acetoin production enhanced by manipulating carbon flux in a newly isolated Bacillus amyloliquefaciens. Bioresource Technology, 2013, 130, 256-260.	9.6	64
160	Genome-scale reconstruction and in silico analysis of Aspergillus terreus metabolism. Molecular BioSystems, 2013, 9, 1939.	2.9	35
161	Reconstruction and analysis of the genome-scale metabolic network of Candida glabrata. Molecular BioSystems, 2013, 9, 205-216.	2.9	41
162	Structure, mechanism and regulation of an artificial microbial ecosystem for vitamin C production. Critical Reviews in Microbiology, 2013, 39, 247-255.	6.1	30

#	Article	IF	Citations
163	The RAVEN Toolbox and Its Use for Generating a Genome-scale Metabolic Model for Penicillium chrysogenum. PLoS Computational Biology, 2013, 9, e1002980.	3.2	364
164	Reconstruction and analysis of a genome-scale metabolic model of the vitamin C producing industrial strain Ketogulonicigenium vulgare WSH-001. Journal of Biotechnology, 2012, 161, 42-48.	3.8	36
165	Reconstruction of cytosolic fumaric acid biosynthetic pathways in Saccharomyces cerevisiae. Microbial Cell Factories, 2012, 11, 24.	4.0	68
166	A constraint-based model of Scheffersomyces stipitis for improved ethanol production. Biotechnology for Biofuels, 2012, 5, 72.	6.2	32
167	Regulation of thiamine synthesis in <i>Saccharomyces cerevisiae</i> for improved pyruvate production. Yeast, 2012, 29, 209-217.	1.7	18
168	Enhanced cephalosporin C production with a combinational ammonium sulfate and DO-Stat based soybean oil feeding strategy. Biochemical Engineering Journal, 2012, 61, 1-10.	3.6	5
169	Fumaric Acid Production in Saccharomyces cerevisiae by In Silico Aided Metabolic Engineering. PLoS ONE, 2012, 7, e52086.	2.5	51
170	Gelatin enhances 2-keto-l-gulonic acid production based on Ketogulonigenium vulgare genome annotation. Journal of Biotechnology, 2011, 156, 182-187.	3.8	42
171	Improved ATP supply enhances acid tolerance of Candida glabrata during pyruvic acid production. Journal of Applied Microbiology, 2011, 110, 44-53.	3.1	51
172	Comparison of covalent immobilization of amylase on polystyrene pellets with pentaethylenehexamine and pentaethylene glycol spacers. Bioresource Technology, 2011, 102, 9374-9379.	9.6	20
173	Introduction of heterogeneous NADH reoxidation pathways into Torulopsis glabrata significantly increases pyruvate production efficiency. Korean Journal of Chemical Engineering, 2011, 28, 1078-1084.	2.7	16
174	Development of chemically defined media supporting high cell density growth of Ketogulonicigenium vulgare and Bacillus megaterium. Bioresource Technology, 2011, 102, 4807-4814.	9.6	58
175	Arginine: A novel compatible solute to protect Candida glabrata against hyperosmotic stress. Process Biochemistry, 2011, 46, 1230-1235.	3.7	31
176	Complete Genome Sequence of the Industrial Strain Bacillus megaterium WSH-002. Journal of Bacteriology, 2011, 193, 6389-6390.	2.2	46
177	Complete Genome Sequence of the Industrial Strain Ketogulonicigenium vulgare WSH-001. Journal of Bacteriology, 2011, 193, 6108-6109.	2.2	36
178	Waterâ€forming NADH oxidase protects <i>Torulopsis glabrata</i> against hyperosmotic stress. Yeast, 2010, 27, 207-216.	1.7	12
179	Proline enhances Torulopsis glabrata growth during hyperosmotic stress. Biotechnology and Bioprocess Engineering, 2010, 15, 285-292.	2.6	21
180	Method to purify mitochondrial DNA directly from yeast total DNA. Plasmid, 2010, 64, 196-199.	1.4	4

#	Article	IF	Citations
181	Use of genomeâ€scale metabolic models for understanding microbial physiology. FEBS Letters, 2010, 584, 2556-2564.	2.8	81
182	Accelerating glycolytic flux of <i>Torulopsis glabrata</i> CCTCC M202019 at high oxidoreduction potential created using potassium ferricyanide. Biotechnology Progress, 2010, 26, 1551-1557.	2.6	9
183	Manipulation of B. megaterium growth for efficient 2-KLG production by K. vulgare. Process Biochemistry, 2010, 45, 602-606.	3.7	59
184	Screening of a thiamine-auxotrophic yeast for Î±-ketoglutaric acid overproduction. Letters in Applied Microbiology, 2010, 51, 264-271.	2.2	67
185	Mitochondrial DNA Heteroplasmy in Candida glabrata after Mitochondrial Transformation. Eukaryotic Cell, 2010, 9, 806-814.	3.4	28
186	ATP in current biotechnology: Regulation, applications and perspectives. Biotechnology Advances, 2009, 27, 94-101.	11.7	103
187	Enhanced cutinase production of Thermobifida fusca by a two-stage batch and fed-batch cultivation strategy. Biotechnology and Bioprocess Engineering, 2009, 14, 46-51.	2.6	9
188	Enhancement of Î±-ketoglutarate production in Torulopsis glabrata: Redistribution of carbon flux from pyruvate to Î±-ketoglutarate. Biotechnology and Bioprocess Engineering, 2009, 14, 134-139.	2.6	53
189	Enhancement of alkaline polygalacturonate lyase production in recombinant Pichia pastoris according to the ratio of methanol to cell concentration. Bioresource Technology, 2009, 100, 1343-1349.	9.6	33
190	Enhancement of pyruvate productivity by inducible expression of a F0F1-ATPase inhibitor INH1 in Torulopsis glabrata CCTCC M202019. Journal of Biotechnology, 2009, 144, 120-126.	3.8	30
191	Lowering induction temperature for enhanced production of polygalacturonate lyase in recombinant Pichia pastoris. Process Biochemistry, 2009, 44, 949-954.	3.7	36
192	A reusable method for construction of non-marker large fragment deletion yeast auxotroph strains: A practice in Torulopsis glabrata. Journal of Microbiological Methods, 2009, 76, 70-74.	1.6	35
193	Enhanced hyaluronic acid production of Streptococcus zooepidemicus by an intermittent alkaline-stress strategy. Letters in Applied Microbiology, 2008, 46, 383-388.	2.2	62
194	Citrate protect the growth of Torulopsis glabrata CCTCC M202019 against acidic stress as additional ATP supplier. Journal of Biotechnology, 2008, 136, S741.	3.8	1
195	Enhancement of pyruvate production by osmotic-tolerant mutant of Torulopsis glabrata. Biotechnology and Bioengineering, 2007, 97, 825-832.	3.3	67
196	Redistribution of carbon flux in Torulopsis glabrata by altering vitamin and calcium level. Metabolic Engineering, 2007, 9, 21-29.	7.0	63
197	Production of polyvinyl alcohol-degrading enzyme withJanthinobacterium sp. and its application in cotton fabric desizing. Biotechnology Journal, 2007, 2, 752-758.	3.5	15
198	Enhancement of pyruvate productivity in Torulopsis glabrata: Increase of NAD+ availability. Journal of Biotechnology, 2006, 126, 173-185.	3.8	55

#	Article	IF	Citations
199	Significant increase of glycolytic flux inTorulopsis glabrataby inhibition of oxidative phosphorylation. FEMS Yeast Research, 2006, 6, 1117-1129.	2.3	26
200	Increasing glycolytic flux in Torulopsis glabrata by redirecting ATP production from oxidative phosphorylation to substrate-level phosphorylation. Journal of Applied Microbiology, 2006, 100, 1043-1053.	3.1	24
201	Redirecting Carbon Flux in Torulopsis glabrata from Pyruvate to Î±-Ketoglutaric Acid by Changing Metabolic Co-factors. Biotechnology Letters, 2006, 28, 95-98.	2.2	19
202	Redirection of the NADH oxidation pathway in Torulopsis glabrata leads to an enhanced pyruvate production. Applied Microbiology and Biotechnology, 2006, 72, 377-385.	3.6	22
203	Enhancement of pyruvate production byTorulopsis glabrata through supplement of oxaloacetate as carbon source. Biotechnology and Bioprocess Engineering, 2005, 10, 136-141.	2.6	7
204	Manipulating the pyruvate dehydrogenase bypass of a multi-vitamin auxotrophic yeast Torulopsis glabrata enhanced pyruvate production. Letters in Applied Microbiology, 2004, 39, 199-206.	2.2	56
205	Cofactor Engineering Enhances the Physiological Function of an Industrial Strain. , 0, , .		3