Liming Liu

List of Publications by Year
in descending order

205 papers	5,960 citations	71102 41 h-index	123424 61 g-index
225 all docs	225 docs citations	225 times ranked	4956 citing authors

#	Article	IF	Citations
1	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
2	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
3	Engineering redox balance through cofactor systems. Trends in Biotechnology, 2014, 32, 337-343.	9.3	138
4	Reconstruction and analysis of a genome-scale metabolic model of the oleaginous fungus Mortierella alpina. BMC Systems Biology, 2015, 9, 1.	3.0	131
5	Genome-wide association study identifies new susceptibility loci for adolescent idiopathic scoliosis in Chinese girls. Nature Communications, 2015, 6, 8355.	12.8	104
6	ATP in current biotechnology: Regulation, applications and perspectives. Biotechnology Advances, 2009, 27, 94-101.	11.7	103
7	Engineering microbial membranes to increase stress tolerance of industrial strains. Metabolic Engineering, 2019, 53, 24-34.	7.0	94
8	Engineering Microorganisms for Enhanced CO2 Sequestration. Trends in Biotechnology, 2019, 37, 532-547.	9.3	86
9	Programmable biomolecular switches for rewiring flux in Escherichia coli. Nature Communications, 2019, 10, 3751.	12.8	84
10	Metabolic engineering of Torulopsis glabrata for malate production. Metabolic Engineering, 2013, 19, 10-16.	7.0	83
11	Identification of a critical determinant that enables efficient fatty acid synthesis in oleaginous fungi. Scientific Reports, 2015, 5, 11247.	3.3	83
12	Use of genomeâ€scale metabolic models for understanding microbial physiology. FEBS Letters, 2010, 584, 2556-2564.	2.8	81
13	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
14	Light-driven CO2 sequestration in Escherichia coli to achieve theoretical yield of chemicals. Nature Catalysis, 2021, 4, 395-406.	34.4	75
15	Reconstruction of cytosolic fumaric acid biosynthetic pathways in Saccharomyces cerevisiae. Microbial Cell Factories, 2012, 11, 24.	4.0	68
16	Enhancement of pyruvate production by osmotic-tolerant mutant of Torulopsis glabrata. Biotechnology and Bioengineering, 2007, 97, 825-832.	3.3	67
17	Screening of a thiamine-auxotrophic yeast for Î±-ketoglutaric acid overproduction. Letters in Applied Microbiology, 2010, 51, 264-271.	2.2	67
18	Metabolic engineering of <i>Escherichia coli</i> W3110 to produce Lâ€malate. Biotechnology and Bioengineering, 2017, 114, 656-664.	3.3	67

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19	Pathway dissection, regulation, engineering and application: lessons learned from biobutanol production by solventogenic clostridia. Biotechnology for Biofuels, 2020, 13, 39.	6.2	65
20	Acetoin production enhanced by manipulating carbon flux in a newly isolated Bacillus amyloliquefaciens. Bioresource Technology, 2013, 130, 256-260.	9.6	64
21	Redistribution of carbon flux in Torulopsis glabrata by altering vitamin and calcium level. Metabolic Engineering, 2007, 9, 21-29.	7.0	63
22	Enhanced hyaluronic acid production of Streptococcus zooepidemicus by an intermittent alkaline-stress strategy. Letters in Applied Microbiology, 2008, 46, 383-388.	2.2	62
23	Engineering Escherichia coli lifespan for enhancing chemical production. Nature Catalysis, 2020, 3, 307-318.	34.4	61
24	Manipulation of B. megaterium growth for efficient 2-KLG production by K. vulgare. Process Biochemistry, 2010, 45, 602-606.	3.7	59
25	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
26	Engineering rTCA pathway and C4-dicarboxylate transporter for l-malic acid production. Applied Microbiology and Biotechnology, 2017, 101, 4041-4052.	3.6	57
27	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
28	Enhancement of pyruvate productivity in Torulopsis glabrata: Increase of NAD+ availability. Journal of Biotechnology, 2006, 126, 173-185.	3.8	55
29	Engineering synergetic CO2-fixing pathways for malate production. Metabolic Engineering, 2018, 47, 496-504.	7.0	55
30	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
31	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
32	Improved ATP supply enhances acid tolerance of Candida glabrata during pyruvic acid production. Journal of Applied Microbiology, 2011, 110, 44-53.	3.1	51
33	Fumaric acid production in Saccharomyces cerevisiae by simultaneous use of oxidative and reductive routes. Bioresource Technology, 2013, 148, 91-96.	9.6	51
34	Modular optimization of multi-gene pathways for fumarate production. Metabolic Engineering, 2016, 33, 76-85.	7.0	51
35	Light-powered Escherichia coli cell division for chemical production. Nature Communications, 2020, 11, 2262.	12.8	51
36	Fumaric Acid Production in Saccharomyces cerevisiae by In Silico Aided Metabolic Engineering. PLoS ONE, 2012, 7, e52086.	2.5	51

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37	Enzymatic production of Î±-ketoglutaric acid from l-glutamic acid via l-glutamate oxidase. Journal of Biotechnology, 2014, 179, 56-62.	3.8	50
38	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
39	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
40	Improving lysine production through construction of an <i>Escherichia coli</i> enzymeâ€constrained model. Biotechnology and Bioengineering, 2020, 117, 3533-3544.	3.3	47
41	Complete Genome Sequence of the Industrial Strain Bacillus megaterium WSH-002. Journal of Bacteriology, 2011, 193, 6389-6390.	2.2	46
42	Med15B Regulates Acid Stress Response and Tolerance in Candida glabrata by Altering Membrane Lipid Composition. Applied and Environmental Microbiology, 2017, 83, .	3.1	46
43	Asymmetric assembly of high-value Î±-functionalized organic acids using a biocatalytic chiral-group-resetting process. Nature Communications, 2018, 9, 3818.	12.8	46
44	Genetic Circuit-Assisted Smart Microbial Engineering. Trends in Microbiology, 2019, 27, 1011-1024.	7.7	45
45	Compartmentalizing metabolic pathway in Candida glabrata for acetoin production. Metabolic Engineering, 2015, 28, 1-7.	7.0	43
46	Gelatin enhances 2-keto-l-gulonic acid production based on Ketogulonigenium vulgare genome annotation. Journal of Biotechnology, 2011, 156, 182-187.	3.8	42
47	Pyruvate production in<i>Candida glabrata</i>: manipulation and optimization of physiological function. Critical Reviews in Biotechnology, 2016, 36, 1-10.	9.0	42
48	Enhancing fructosylated chondroitin production in Escherichia coli K4 by balancing the UDP-precursors. Metabolic Engineering, 2018, 47, 314-322.	7.0	42
49	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
50	Reconstruction and analysis of the genome-scale metabolic network of Candida glabrata. Molecular BioSystems, 2013, 9, 205-216.	2.9	41
51	Production of Î²â€Alanine from Fumaric Acid Using a Dualâ€Enzyme Cascade. ChemCatChem, 2018, 10, 4984-4991.	3.7	39
52	Transcriptional engineering of <i>Escherichia coli</i> K4 for fructosylated chondroitin production. Biotechnology Progress, 2013, 29, 1140-1149.	2.6	37
53	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
54	Lowering induction temperature for enhanced production of polygalacturonate lyase in recombinant Pichia pastoris. Process Biochemistry, 2009, 44, 949-954.	3.7	36

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55	Complete Genome Sequence of the Industrial Strain Ketogulonicigenium vulgare WSH-001. Journal of Bacteriology, 2011, 193, 6108-6109.	2.2	36
56	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
57	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
58	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
59	Genome-scale reconstruction and in silico analysis of Aspergillus terreus metabolism. Molecular BioSystems, 2013, 9, 1939.	2.9	35
60	Engineering of the Conformational Dynamics of Lipase To Increase Enantioselectivity. ACS Catalysis, 2017, 7, 7593-7599.	11.2	35
61	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
62	Rewiring carbon flux in Escherichia coli using a bifunctional molecular switch. Metabolic Engineering, 2020, 61, 47-57.	7.0	34
63	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
64	Reconstruction and analysis of the genome-scale metabolic model of Lactobacillus casei LC2W. Gene, 2015, 554, 140-147.	2.2	33
65	A constraint-based model of Scheffersomyces stipitis for improved ethanol production. Biotechnology for Biofuels, 2012, 5, 72.	6.2	32
66	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
67	Arginine: A novel compatible solute to protect Candida glabrata against hyperosmotic stress. Process Biochemistry, 2011, 46, 1230-1235.	3.7	31
68	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
69	Structure, mechanism and regulation of an artificial microbial ecosystem for vitamin C production. Critical Reviews in Microbiology, 2013, 39, 247-255.	6.1	30
70	Engineering of carboligase activity reaction in Candida glabrata for acetoin production. Metabolic Engineering, 2014, 22, 32-39.	7.0	30
71	Crz1p Regulates pH Homeostasis in Candida glabrata by Altering Membrane Lipid Composition. Applied and Environmental Microbiology, 2016, 82, 6920-6929.	3.1	30
72	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

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73	Mitochondrial engineering of the TCA cycle for fumarate production. Metabolic Engineering, 2015, 31, 62-73.	7.0	29
74	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
75	Mitochondrial DNA Heteroplasmy in Candida glabrata after Mitochondrial Transformation. Eukaryotic Cell, 2010, 9, 806-814.	3.4	28
76	Reconstruction and analysis of a genome-scale metabolic network of Corynebacterium glutamicum S9114. Gene, 2016, 575, 615-622.	2.2	27
77	Morphology engineering of <i>Aspergillus oryzae</i> for <scp>l</scp>â€malate production. Biotechnology and Bioengineering, 2019, 116, 2662-2673.	3.3	27
78	Engineering of membrane phospholipid component enhances salt stress tolerance in <i>Saccharomyces cerevisiae</i>. Biotechnology and Bioengineering, 2020, 117, 710-720.	3.3	27
79	Significant increase of glycolytic flux inTorulopsis glabrataby inhibition of oxidative phosphorylation. FEMS Yeast Research, 2006, 6, 1117-1129.	2.3	26
80	<i>CgMED3</i> Changes Membrane Sterol Composition To Help Candida glabrata Tolerate Low-pH Stress. Applied and Environmental Microbiology, 2017, 83, .	3.1	26
81	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
82	Engineering microbial cell morphology and membrane homeostasis toward industrial applications. Current Opinion in Biotechnology, 2020, 66, 18-26.	6.6	26
83	Relationship Between Morphology and Itaconic Acid Production by Aspergillus terreus. Journal of Microbiology and Biotechnology, 2014, 24, 168-176.	2.1	26
84	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
85	Production, structure and morphology of exopolysaccharides yielded by submerged fermentation of Antrodia cinnamomea. Carbohydrate Polymers, 2019, 205, 271-278.	10.2	25
86	Enhancement of Sphingolipid Synthesis Improves Osmotic Tolerance of Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2020, 86, .	3.1	25
87	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
88	Transcription factors Asg1p and Hal9p regulate pH homeostasis in Candida glabrata. Frontiers in Microbiology, 2015, 6, 843.	3.5	24
89	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
90	Enhancement of acetoin production in Candida glabrata by in silico-aided metabolic engineering. Microbial Cell Factories, 2014, 13, 55.	4.0	23

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91	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
92	Comprehensive understanding of <i>Saccharomyces cerevisiae</i> phenotypes with wholeâ€cell model WM_S288C. Biotechnology and Bioengineering, 2020, 117, 1562-1574.	3.3	23
93	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
94	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
95	Proline enhances Torulopsis glabrata growth during hyperosmotic stress. Biotechnology and Bioprocess Engineering, 2010, 15, 285-292.	2.6	21
96	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
97	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
98	Comparison of covalent immobilization of amylase on polystyrene pellets with pentaethylenehexamine and pentaethylene glycol spacers. Bioresource Technology, 2011, 102, 9374-9379.	9.6	20
99	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
100	Kick-starting evolution efficiency with an autonomous evolution mutation system. Metabolic Engineering, 2019, 54, 127-136.	7.0	20
101	Dynamic consolidated bioprocessing for direct production of xylonate and shikimate from xylan by Escherichia coli. Metabolic Engineering, 2020, 60, 128-137.	7.0	20
102	Enhancing biofuels production by engineering the actin cytoskeleton in Saccharomyces cerevisiae. Nature Communications, 2022, 13, 1886.	12.8	20
103	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
104	KfoE encodes a fructosyltransferase involved in capsular polysaccharide biosynthesis in Escherichia coli K4. Biotechnology Letters, 2014, 36, 1469-1477.	2.2	19
105	Gene Circuits for Dynamically Regulating Metabolism. Trends in Biotechnology, 2018, 36, 751-754.	9.3	19
106	Regulation of thiamine synthesis in <i>Saccharomyces cerevisiae</i> for improved pyruvate production. Yeast, 2012, 29, 209-217.	1.7	18
107	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
108	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

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109	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
110	A multi-enzyme cascade for efficient production of d-p-hydroxyphenylglycine from l-tyrosine. Bioresources and Bioprocessing, 2021, 8, .	4.2	18
111	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
112	Pathway engineering of <i>Escherichia coli</i> for Î±â€ketoglutaric acid production. Biotechnology and Bioengineering, 2020, 117, 2791-2801.	3.3	17
113	Microbial engineering for the production of C₂â€“C₆organic acids. Natural Product Reports, 2021, 38, 1518-1546.	10.3	17
114	Enhancing tryptophan production by balancing precursors in <i>Escherichia coli</i>. Biotechnology and Bioengineering, 2022, 119, 983-993.	3.3	17
115	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
116	Urea enhances cell growth and pyruvate production in <i>Torulopsis glabrata</i>. Biotechnology Progress, 2014, 30, 19-27.	2.6	16
117	<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
118	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
119	Production of polyvinyl alcohol-degrading enzyme withJanthinobacterium sp. and its application in cotton fabric desizing. Biotechnology Journal, 2007, 2, 752-758.	3.5	15
120	Genome-scale metabolic modelling common cofactors metabolism in microorganisms. Journal of Biotechnology, 2017, 251, 1-13.	3.8	15
121	Biocatalytic derivatization of proteinogenic amino acids for fine chemicals. Biotechnology Advances, 2020, 40, 107496.	11.7	15
122	Microbial cell engineering to improve cellular synthetic capacity. Biotechnology Advances, 2020, 45, 107649.	11.7	15
123	Engineering the Cad pathway in Escherichia coli to produce glutarate from l-lysine. Applied Microbiology and Biotechnology, 2021, 105, 3587-3599.	3.6	15
124	Enzymatic production of agmatine by recombinant arginine decarboxylase. Journal of Molecular Catalysis B: Enzymatic, 2015, 121, 1-8.	1.8	14
125	Genome-scale biological models for industrial microbial systems. Applied Microbiology and Biotechnology, 2018, 102, 3439-3451.	3.6	14
126	Hacking an Algal Transcription Factor for Lipid Biosynthesis. Trends in Plant Science, 2018, 23, 181-184.	8.8	14

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127	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
128	Microbial physiological engineering increases the efficiency of microbial cell factories. Critical Reviews in Biotechnology, 2021, 41, 339-354.	9.0	14
129	Metabolic Engineering of Candida glabrata for Diacetyl Production. PLoS ONE, 2014, 9, e89854.	2.5	13
130	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
131	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
132	A biosynthesis pathway for 3-hydroxypropionic acid production in genetically engineered <i>Saccharomyces cerevisiae</i>. Green Chemistry, 2021, 23, 4502-4509.	9.0	13
133	Reprogramming microbial populations using a programmed lysis system to improve chemical production. Nature Communications, 2021, 12, 6886.	12.8	13
134	Waterâ€forming NADH oxidase protects <i>Torulopsis glabrata</i> against hyperosmotic stress. Yeast, 2010, 27, 207-216.	1.7	12
135	Glutathione enhances 2-keto-l-gulonic acid production based on Ketogulonicigenium vulgare model iWZ663. Journal of Biotechnology, 2013, 164, 454-460.	3.8	12
136	Engineering the transmission efficiency of the noncyclic glyoxylate pathway for fumarate production in Escherichia coli. Biotechnology for Biofuels, 2020, 13, 132.	6.2	12
137	A novel high-yield process of phospholipase D-mediated phosphatidylserine production with cyclopentyl methyl ether. Process Biochemistry, 2018, 66, 146-149.	3.7	11
138	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
139	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
140	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
141	One-Pot Enzymaticâ€“Chemical Cascade Route for Synthesizing Aromatic Î±-Hydroxy Ketones. ACS Catalysis, 2021, 11, 2808-2818.	11.2	10
142	Enhancing L-malate production of Aspergillus oryzae by nitrogen regulation strategy. Applied Microbiology and Biotechnology, 2021, 105, 3101-3113.	3.6	10
143	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
144	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

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145	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
146	Bifunctional optogenetic switch for improving shikimic acid production in E. coli. , 2022, 15, 13.		10
147	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
148	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
149	Mitochondrial fusion and fission are involved in stress tolerance of Candida glabrata. Bioresources and Bioprocessing, 2015, 2, .	4.2	9
150	IMGMD: A platform for the integration and standardisation of In silico Microbial Genome-scale Metabolic Models. Scientific Reports, 2017, 7, 727.	3.3	9
151	Efficient production of phenylpropionic acids by an aminoâ€groupâ€transformation biocatalytic cascade. Biotechnology and Bioengineering, 2020, 117, 614-625.	3.3	9
152	Recent advances in biocatalytic derivatization of l-tyrosine. Applied Microbiology and Biotechnology, 2020, 104, 9907-9920.	3.6	9
153	Reprogramming <i>Escherichia coli</i> Metabolism for Bioplastics Synthesis from Waste Cooking Oil. ACS Synthetic Biology, 2021, 10, 1966-1979.	3.8	9
154	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
155	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
156	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
157	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
158	Fumarate Production by Torulopsis glabrata: Engineering Heterologous Fumarase Expression and Improving Acid Tolerance. PLoS ONE, 2016, 11, e0164141.	2.5	8
159	Engineering microbial metabolic energy homeostasis for improved bioproduction. Biotechnology Advances, 2021, 53, 107841.	11.7	8
160	Enhancement of pyruvate production byTorulopsis glabrata through supplement of oxaloacetate as carbon source. Biotechnology and Bioprocess Engineering, 2005, 10, 136-141.	2.6	7
161	Efficient agmatine production using an arginine decarboxylase with substrateâ€specific activity. Journal of Chemical Technology and Biotechnology, 2017, 92, 2383-2391.	3.2	7
162	Enhanced pyruvate production in Candida glabrata by overexpressing the CgAMD1 gene to improve acid tolerance. Biotechnology Letters, 2018, 40, 143-149.	2.2	7

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163	Bioproduction, purification, and application of polysialic acid. Applied Microbiology and Biotechnology, 2018, 102, 9403-9409.	3.6	7
164	<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
165	Enhanced Catalytic Efficiency of Lâ€amino Acid Deaminase Achieved by a Shorter Hydride Transfer Distance. ChemCatChem, 2021, 13, 4557-4566.	3.7	7
166	Mediator Engineering of <i>Saccharomyces cerevisiae</i> To Improve Multidimensional Stress Tolerance. Applied and Environmental Microbiology, 2022, 88, e0162721.	3.1	7
167	Bacterial photosynthesis: state-of-the-art in light-driven carbon fixation in engineered bacteria. Current Opinion in Microbiology, 2022, 69, 102174.	5.1	7
168	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
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