

Liming Liu

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200
papers

4,071
citations

36
h-index

52
g-index

225
ext. papers

5,079
ext. citations

6.5
avg, IF

5.85
L-index

#	Paper	IF	Citations
200	The RAVEN toolbox and its use for generating a genome-scale metabolic model for <i>Penicillium chrysogenum</i> . <i>PLoS Computational Biology</i> , 2013 , 9, e1002980	5	286
199	Engineering redox balance through cofactor systems. <i>Trends in Biotechnology</i> , 2014 , 32, 337-43	15.1	103
198	DCEO Biotechnology: Tools To Design, Construct, Evaluate, and Optimize the Metabolic Pathway for Biosynthesis of Chemicals. <i>Chemical Reviews</i> , 2018 , 118, 4-72	68.1	97
197	ATP in current biotechnology: regulation, applications and perspectives. <i>Biotechnology Advances</i> , 2009 , 27, 94-101	17.8	79
196	Reconstruction and analysis of a genome-scale metabolic model of the oleaginous fungus <i>Mortierella alpina</i> . <i>BMC Systems Biology</i> , 2015 , 9, 1	3.5	76
195	Genome-wide association study identifies new susceptibility loci for adolescent idiopathic scoliosis in Chinese girls. <i>Nature Communications</i> , 2015 , 6, 8355	17.4	76
194	Use of genome-scale metabolic models for understanding microbial physiology. <i>FEBS Letters</i> , 2010 , 584, 2556-64	3.8	70
193	Identification of a critical determinant that enables efficient fatty acid synthesis in oleaginous fungi. <i>Scientific Reports</i> , 2015 , 5, 11247	4.9	69
192	Metabolic engineering of <i>Torulopsis glabrata</i> for malate production. <i>Metabolic Engineering</i> , 2013 , 19, 10-6	9.7	66
191	Reconstruction of cytosolic fumaric acid biosynthetic pathways in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2012 , 11, 24	6.4	64
190	Screening of a thiamine-auxotrophic yeast for alpha-ketoglutaric acid overproduction. <i>Letters in Applied Microbiology</i> , 2010 , 51, 264-71	2.9	63
189	Acetoin production enhanced by manipulating carbon flux in a newly isolated <i>Bacillus amyloliquefaciens</i> . <i>Bioresource Technology</i> , 2013 , 130, 256-60	11	56
188	Enhancement of pyruvate production by osmotic-tolerant mutant of <i>Torulopsis glabrata</i> . <i>Biotechnology and Bioengineering</i> , 2007 , 97, 825-32	4.9	55
187	Engineering <i>Escherichia coli</i> for malate production by integrating modular pathway characterization with CRISPRi-guided multiplexed metabolic tuning. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 661-672	4.9	55
186	Engineering microbial membranes to increase stress tolerance of industrial strains. <i>Metabolic Engineering</i> , 2019 , 53, 24-34	9.7	54
185	Redistribution of carbon flux in <i>Torulopsis glabrata</i> by altering vitamin and calcium level. <i>Metabolic Engineering</i> , 2007 , 9, 21-9	9.7	53
184	Manipulating the pyruvate dehydrogenase bypass of a multi-vitamin auxotrophic yeast <i>Torulopsis glabrata</i> enhanced pyruvate production. <i>Letters in Applied Microbiology</i> , 2004 , 39, 199-206	2.9	53

183	Manipulation of <i>B. megaterium</i> growth for efficient 2-KLG production by <i>K. vulgare</i> . <i>Process Biochemistry</i> , 2010 , 45, 602-606	4.8	52
182	Development of chemically defined media supporting high cell density growth of <i>Ketogulonicigenium vulgare</i> and <i>Bacillus megaterium</i> . <i>Bioresource Technology</i> , 2011 , 102, 4807-14	11	49
181	Metabolic engineering of <i>Escherichia coli</i> W3110 to produce L-malate. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 656-664	4.9	48
180	Enhancement of α -ketoglutarate production in <i>Torulopsis glabrata</i> : Redistribution of carbon flux from pyruvate to α -ketoglutarate. <i>Biotechnology and Bioprocess Engineering</i> , 2009 , 14, 134-139	3.1	48
179	Fumaric acid production in <i>Saccharomyces cerevisiae</i> by in silico aided metabolic engineering. <i>PLoS ONE</i> , 2012 , 7, e52086	3.7	47
178	Programmable biomolecular switches for rewiring flux in <i>Escherichia coli</i> . <i>Nature Communications</i> , 2019 , 10, 3751	17.4	46
177	Enhanced hyaluronic acid production of <i>Streptococcus zooepidemicus</i> by an intermittent alkaline-stress strategy. <i>Letters in Applied Microbiology</i> , 2008 , 46, 383-8	2.9	46
176	Improved ATP supply enhances acid tolerance of <i>Candida glabrata</i> during pyruvic acid production. <i>Journal of Applied Microbiology</i> , 2011 , 110, 44-53	4.7	45
175	Enhancement of pyruvate productivity in <i>Torulopsis glabrata</i> : Increase of NAD ⁺ availability. <i>Journal of Biotechnology</i> , 2006 , 126, 173-85	3.7	45
174	Modular optimization of multi-gene pathways for fumarate production. <i>Metabolic Engineering</i> , 2016 , 33, 76-85	9.7	44
173	Fumaric acid production in <i>Saccharomyces cerevisiae</i> by simultaneous use of oxidative and reductive routes. <i>Bioresource Technology</i> , 2013 , 148, 91-6	11	44
172	Fumaric acid production by <i>Torulopsis glabrata</i> : engineering the urea cycle and the purine nucleotide cycle. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 156-67	4.9	42
171	Enzymatic production of α -ketoglutaric acid from l-glutamic acid via l-glutamate oxidase. <i>Journal of Biotechnology</i> , 2014 , 179, 56-62	3.7	41
170	Complete genome sequence of the industrial strain <i>Bacillus megaterium</i> WSH-002. <i>Journal of Bacteriology</i> , 2011 , 193, 6389-90	3.5	41
169	Compartmentalizing metabolic pathway in <i>Candida glabrata</i> for acetoin production. <i>Metabolic Engineering</i> , 2015 , 28, 1-7	9.7	39
168	Engineering Microorganisms for Enhanced CO ₂ Sequestration. <i>Trends in Biotechnology</i> , 2019 , 37, 532-547	15.1	38
167	Engineering rTCA pathway and C ₄ -dicarboxylate transporter for L-malic acid production. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 4041-4052	5.7	37
166	Pathway dissection, regulation, engineering and application: lessons learned from biobutanol production by solventogenic clostridia. <i>Biotechnology for Biofuels</i> , 2020 , 13, 39	7.8	36

165	Reconstruction and analysis of the genome-scale metabolic network of <i>Candida glabrata</i> . <i>Molecular BioSystems</i> , 2013 , 9, 205-16		36
164	Gelatin enhances 2-keto-L-gulonic acid production based on <i>Ketogulonigenium vulgare</i> genome annotation. <i>Journal of Biotechnology</i> , 2011 , 156, 182-7	3.7	36
163	Reconstruction and analysis of the genome-scale metabolic model of <i>schizochytrium limacinum</i> SR21 for docosaehaenoic acid production. <i>BMC Genomics</i> , 2015 , 16, 799	4.5	35
162	A reusable method for construction of non-marker large fragment deletion yeast auxotroph strains: A practice in <i>Torulopsis glabrata</i> . <i>Journal of Microbiological Methods</i> , 2009 , 76, 70-4	2.8	34
161	Complete genome sequence of the industrial strain <i>Ketogulonicigenium vulgare</i> WSH-001. <i>Journal of Bacteriology</i> , 2011 , 193, 6108-9	3.5	33
160	Enhancement of alkaline polygalacturonate lyase production in recombinant <i>Pichia pastoris</i> according to the ratio of methanol to cell concentration. <i>Bioresource Technology</i> , 2009 , 100, 1343-9	11	32
159	Engineering synergetic CO-fixing pathways for malate production. <i>Metabolic Engineering</i> , 2018 , 47, 496-504	5.0	32
158	Lowering induction temperature for enhanced production of polygalacturonate lyase in recombinant <i>Pichia pastoris</i> . <i>Process Biochemistry</i> , 2009 , 44, 949-954	4.8	31
157	Pyruvate production in <i>Candida glabrata</i> : manipulation and optimization of physiological function. <i>Critical Reviews in Biotechnology</i> , 2016 , 36, 1-10	9.4	30
156	Med15B Regulates Acid Stress Response and Tolerance in <i>Candida glabrata</i> by Altering Membrane Lipid Composition. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	30
155	Reconstruction and analysis of a genome-scale metabolic model of the vitamin C producing industrial strain <i>Ketogulonicigenium vulgare</i> WSH-001. <i>Journal of Biotechnology</i> , 2012 , 161, 42-8	3.7	30
154	Engineering <i>Escherichia coli</i> lifespan for enhancing chemical production. <i>Nature Catalysis</i> , 2020 , 3, 307-318	5.5	27
153	Genetic Circuit-Assisted Smart Microbial Engineering. <i>Trends in Microbiology</i> , 2019 , 27, 1011-1024	12.4	27
152	Transcriptional engineering of <i>Escherichia coli</i> K4 for fructosylated chondroitin production. <i>Biotechnology Progress</i> , 2013 , 29, 1140-9	2.8	27
151	Enhancement of pyruvate productivity by inducible expression of a F(0)F(1)-ATPase inhibitor INH1 in <i>Torulopsis glabrata</i> CCTCC M202019. <i>Journal of Biotechnology</i> , 2009 , 144, 120-6	3.7	27
150	Engineering of carboligase activity reaction in <i>Candida glabrata</i> for acetoin production. <i>Metabolic Engineering</i> , 2014 , 22, 32-9	9.7	26
149	Mitochondrial engineering of the TCA cycle for fumarate production. <i>Metabolic Engineering</i> , 2015 , 31, 62-73	9.7	25
148	Enhancement of malate production through engineering of the periplasmic rTCA pathway in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2018 , 115, 1571-1580	4.9	25

147	Enhancing fructosylated chondroitin production in Escherichia coli K4 by balancing the UDP-precursors. <i>Metabolic Engineering</i> , 2018 , 47, 314-322	9.7	25
146	Metabolic model reconstruction and analysis of an artificial microbial ecosystem for vitamin C production. <i>Journal of Biotechnology</i> , 2014 , 182-183, 61-7	3.7	25
145	Production of bioactive metabolites by submerged fermentation of the medicinal mushroom <i>Antrodia cinnamomea</i> : recent advances and future development. <i>Critical Reviews in Biotechnology</i> , 2019 , 39, 541-554	9.4	24
144	Genome-scale reconstruction and in silico analysis of <i>Aspergillus terreus</i> metabolism. <i>Molecular BioSystems</i> , 2013 , 9, 1939-48		24
143	Mitochondrial DNA heteroplasmy in <i>Candida glabrata</i> after mitochondrial transformation. <i>Eukaryotic Cell</i> , 2010 , 9, 806-14		24
142	Production of Alanine from Fumaric Acid Using a Dual-Enzyme Cascade. <i>ChemCatChem</i> , 2018 , 10, 4984-4991	9.2	24
141	Light-powered Escherichia coli cell division for chemical production. <i>Nature Communications</i> , 2020 , 11, 2262	17.4	23
140	Significant increase of glycolytic flux in <i>Torulopsis glabrata</i> by inhibition of oxidative phosphorylation. <i>FEMS Yeast Research</i> , 2006 , 6, 1117-29	3.1	23
139	Isolation and Characterization of Three Antihypertension Peptides from the Mycelia of (<i>Agaricomycetes</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 8149-8159	5.7	22
138	Enhancement of acetoin production in <i>Candida glabrata</i> by in silico-aided metabolic engineering. <i>Microbial Cell Factories</i> , 2014 , 13, 55	6.4	22
137	Structure, mechanism and regulation of an artificial microbial ecosystem for vitamin C production. <i>Critical Reviews in Microbiology</i> , 2013 , 39, 247-55	7.8	22
136	Arginine: A novel compatible solute to protect <i>Candida glabrata</i> against hyperosmotic stress. <i>Process Biochemistry</i> , 2011 , 46, 1230-1235	4.8	22
135	Engineering of the Conformational Dynamics of Lipase To Increase Enantioselectivity. <i>ACS Catalysis</i> , 2017 , 7, 7593-7599	13.1	21
134	Reconstruction and analysis of a genome-scale metabolic network of <i>Corynebacterium glutamicum</i> S9114. <i>Gene</i> , 2016 , 575, 615-22	3.8	20
133	Changes Membrane Sterol Composition To Help <i>Candida glabrata</i> Tolerate Low-pH Stress. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	20
132	Transcription factors <i>Asg1p</i> and <i>Hal9p</i> regulate pH homeostasis in <i>Candida glabrata</i> . <i>Frontiers in Microbiology</i> , 2015 , 6, 843	5.7	20
131	A constraint-based model of <i>Scheffersomyces stipitis</i> for improved ethanol production. <i>Biotechnology for Biofuels</i> , 2012 , 5, 72	7.8	20
130	Comparison of covalent immobilization of amylase on polystyrene pellets with pentaethylenehexamine and pentaethylene glycol spacers. <i>Bioresource Technology</i> , 2011 , 102, 9374-9	11	20

129	Relationship between morphology and itaconic acid production by <i>Aspergillus terreus</i> . <i>Journal of Microbiology and Biotechnology</i> , 2014 , 24, 168-76	3.3	20
128	Asymmetric assembly of high-value functionalized organic acids using a biocatalytic chiral-group-resetting process. <i>Nature Communications</i> , 2018 , 9, 3818	17.4	20
127	Reconstruction and analysis of the industrial strain <i>Bacillus megaterium</i> WSH002 genome-scale in silico metabolic model. <i>Journal of Biotechnology</i> , 2013 , 164, 503-9	3.7	19
126	Redirection of the NADH oxidation pathway in <i>Torulopsis glabrata</i> leads to an enhanced pyruvate production. <i>Applied Microbiology and Biotechnology</i> , 2006 , 72, 377-85	5.7	19
125	Reconstruction and analysis of the genome-scale metabolic model of <i>Lactobacillus casei</i> LC2W. <i>Gene</i> , 2015 , 554, 140-7	3.8	18
124	Proline enhances <i>Torulopsis glabrata</i> growth during hyperosmotic stress. <i>Biotechnology and Bioprocess Engineering</i> , 2010 , 15, 285-292	3.1	18
123	Light-driven CO ₂ sequestration in <i>Escherichia coli</i> to achieve theoretical yield of chemicals. <i>Nature Catalysis</i> , 2021 , 4, 395-406	36.5	18
122	Crz1p Regulates pH Homeostasis in <i>Candida glabrata</i> by Altering Membrane Lipid Composition. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 6920-6929	4.8	18
121	Metabolic engineering of glucose uptake systems in <i>Corynebacterium glutamicum</i> for improving the efficiency of L-lysine production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 937-949	4.2	17
120	Redirecting carbon flux in <i>Torulopsis glabrata</i> from pyruvate to alpha-ketoglutaric acid by changing metabolic co-factors. <i>Biotechnology Letters</i> , 2006 , 28, 95-8	3	17
119	Engineering of membrane phospholipid component enhances salt stress tolerance in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2020 , 117, 710-720	4.9	17
118	Open Gate of <i>Corynebacterium glutamicum</i> Threonine Deaminase for Efficient Synthesis of Bulky Keto Acids. <i>ACS Catalysis</i> , 2020 , 10, 9994-10004	13.1	17
117	Spatial modulation and cofactor engineering of key pathway enzymes for fumarate production in <i>Candida glabrata</i> . <i>Biotechnology and Bioengineering</i> , 2019 , 116, 622-630	4.9	17
116	Rational modification of <i>Corynebacterium glutamicum</i> dihydrodipicolinate reductase to switch the nucleotide-cofactor specificity for increasing L-lysine production. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 1764-1777	4.9	16
115	Enhancing L-malate production of <i>Aspergillus oryzae</i> FMME218-37 by improving inorganic nitrogen utilization. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 8739-8751	5.7	16
114	Synergistic function of four novel thermostable glycoside hydrolases from a long-term enriched thermophilic methanogenic digester. <i>Frontiers in Microbiology</i> , 2015 , 6, 509	5.7	16
113	Regulation of thiamine synthesis in <i>Saccharomyces cerevisiae</i> for improved pyruvate production. <i>Yeast</i> , 2012 , 29, 209-17	3.4	16
112	Production, structure and morphology of exopolysaccharides yielded by submerged fermentation of <i>Antrodia cinnamomea</i> . <i>Carbohydrate Polymers</i> , 2019 , 205, 271-278	10.3	16

111	A multifunctional tag with the ability to benefit the expression, purification, thermostability and activity of recombinant proteins. <i>Journal of Biotechnology</i> , 2018 , 283, 1-10	3.7	15
110	Urea enhances cell growth and pyruvate production in <i>Torulopsis glabrata</i> . <i>Biotechnology Progress</i> , 2014 , 30, 19-27	2.8	15
109	Morphology engineering of <i>Aspergillus oryzae</i> for l-malate production. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 2662-2673	4.9	14
108	Metabolic engineering of carbohydrate metabolism systems in <i>Corynebacterium glutamicum</i> for improving the efficiency of L-lysine production from mixed sugar. <i>Microbial Cell Factories</i> , 2020 , 19, 39	6.4	14
107	Development of an <i>Escherichia coli</i> -based biocatalytic system for the efficient synthesis of N-acetyl-D-neuraminic acid. <i>Metabolic Engineering</i> , 2018 , 47, 374-382	9.7	14
106	Enzymatic production of l-ornithine from l-arginine with recombinant thermophilic arginase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014 , 110, 1-7		14
105	Introduction of heterogeneous NADH reoxidation pathways into <i>Torulopsis glabrata</i> significantly increases pyruvate production efficiency. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 1078-1084	2.8	14
104	Increasing glycolytic flux in <i>Torulopsis glabrata</i> by redirecting ATP production from oxidative phosphorylation to substrate-level phosphorylation. <i>Journal of Applied Microbiology</i> , 2006 , 100, 1043-53	4.7	14
103	Kick-starting evolution efficiency with an autonomous evolution mutation system. <i>Metabolic Engineering</i> , 2019 , 54, 127-136	9.7	13
102	Rewiring carbon flux in <i>Escherichia coli</i> using a bifunctional molecular switch. <i>Metabolic Engineering</i> , 2020 , 61, 47-57	9.7	13
101	Gene Circuits for Dynamically Regulating Metabolism. <i>Trends in Biotechnology</i> , 2018 , 36, 751-754	15.1	13
100	Development of a minimal chemically defined medium for <i>Ketogulonigenium vulgare</i> WSH001 based on its genome-scale metabolic model. <i>Journal of Biotechnology</i> , 2014 , 169, 15-22	3.7	13
99	Enzymatic production of l-citrulline by hydrolysis of the guanidinium group of l-arginine with recombinant arginine deiminase. <i>Journal of Biotechnology</i> , 2015 , 208, 37-43	3.7	13
98	Dynamic consolidated bioprocessing for direct production of xylonate and shikimate from xylan by <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2020 , 60, 128-137	9.7	13
97	Reconstruction and Analysis of a Genome-Scale Metabolic Model of for Improved Extracellular Polysaccharide Production. <i>Frontiers in Microbiology</i> , 2018 , 9, 3076	5.7	13
96	Enzymatic production of agmatine by recombinant arginine decarboxylase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015 , 121, 1-8		12
95	Comprehensive understanding of <i>Saccharomyces cerevisiae</i> phenotypes with whole-cell model WM_S288C. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1562-1574	4.9	12
94	Enhancement of alpha-ketoglutaric acid production from l-glutamic acid by high-cell-density cultivation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016 , 126, 10-17		12

93	Production of polyvinyl alcohol-degrading enzyme with <i>Janthinobacterium</i> sp. and its application in cotton fabric desizing. <i>Biotechnology Journal</i> , 2007 , 2, 752-8	5.6	12
92	Improving lysine production through construction of an <i>Escherichia coli</i> enzyme-constrained model. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 3533-3544	4.9	11
91	Enhancement of Sphingolipid Synthesis Improves Osmotic Tolerance of <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	11
90	Genome Sequencing of the Pyruvate-producing Strain <i>Candida glabrata</i> CCTCC M202019 and Genomic Comparison with Strain CBS138. <i>Scientific Reports</i> , 2016 , 6, 34893	4.9	11
89	KfoE encodes a fructosyltransferase involved in capsular polysaccharide biosynthesis in <i>Escherichia coli</i> K4. <i>Biotechnology Letters</i> , 2014 , 36, 1469-77	3	11
88	Glutathione enhances 2-keto-l-gulonic acid production based on <i>Ketogulonigenium vulgare</i> model iWZ663. <i>Journal of Biotechnology</i> , 2013 , 164, 454-60	3.7	11
87	Hog1-Mediated Rds2 Phosphorylation Alters Glycerophospholipid Composition To Coordinate Osmotic Stress in. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	10
86	Engineering microbial cell morphology and membrane homeostasis toward industrial applications. <i>Current Opinion in Biotechnology</i> , 2020 , 66, 18-26	11.4	10
85	Engineering protonation conformation of l-aspartate- β -decarboxylase to relieve mechanism-based inactivation. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1607-1614	4.9	10
84	Hacking an Algal Transcription Factor for Lipid Biosynthesis. <i>Trends in Plant Science</i> , 2018 , 23, 181-184	13.1	10
83	Metabolic engineering of <i>Candida glabrata</i> for diacetyl production. <i>PLoS ONE</i> , 2014 , 9, e89854	3.7	10
82	Water-forming NADH oxidase protects <i>Torulopsis glabrata</i> against hyperosmotic stress. <i>Yeast</i> , 2010 , 27, 207-16	3.4	10
81	Enhanced cutinase production of <i>Thermobifida fusca</i> by a two-stage batch and fed-batch cultivation strategy. <i>Biotechnology and Bioprocess Engineering</i> , 2009 , 14, 46-51	3.1	9
80	Accelerating glycolytic flux of <i>Torulopsis glabrata</i> CCTCC M202019 at high oxidoreduction potential created using potassium ferricyanide. <i>Biotechnology Progress</i> , 2010 , 26, 1551-7	2.8	9
79	Biocatalytic derivatization of proteinogenic amino acids for fine chemicals. <i>Biotechnology Advances</i> , 2020 , 40, 107496	17.8	9
78	High-Throughput Screening of a 2-Keto-L-Gulonic Acid-Producing Strain Based on Related Dehydrogenases. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 385	5.8	9
77	Genome-scale metabolic modelling common cofactors metabolism in microorganisms. <i>Journal of Biotechnology</i> , 2017 , 251, 1-13	3.7	8
76	Production of β -Ketoisocaproate and β -Keto- β -Methylvalerate by Engineered L-Amino Acid Deaminase. <i>ChemCatChem</i> , 2019 , 11, 2464-2472	5.2	8

75	A novel high-yield process of phospholipase D-mediated phosphatidylserine production with cyclopentyl methyl ether. <i>Process Biochemistry</i> , 2018 , 66, 146-149	4.8	8
74	Microbial cell engineering to improve cellular synthetic capacity. <i>Biotechnology Advances</i> , 2020 , 45, 10764-10768	4.9	8
73	IMGMD: A platform for the integration and standardisation of In silico Microbial Genome-scale Metabolic Models. <i>Scientific Reports</i> , 2017 , 7, 727	4.9	7
72	Genome-scale biological models for industrial microbial systems. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 3439-3451	5.7	7
71	Reconstruction and in silico analysis of an Actinoplanes sp. SE50/110 genome-scale metabolic model for acarbose production. <i>Frontiers in Microbiology</i> , 2015 , 6, 632	5.7	7
70	Enhancement of pyruvate production by <i>Torulopsis glabrata</i> through supplement of oxaloacetate as carbon source. <i>Biotechnology and Bioprocess Engineering</i> , 2005 , 10, 136-141	3.1	7
69	Engineering the Cad pathway in Escherichia coli to produce glutarate from L-lysine. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 3587-3599	5.7	7
68	Overexpression of thermostable meso-diaminopimelate dehydrogenase to redirect diaminopimelate pathway for increasing L-lysine production in Escherichia coli. <i>Scientific Reports</i> , 2019 , 9, 2423	4.9	6
67	Green synthesis of (R)-3-TBDMSO glutaric acid methyl monoester using Novozym 435 in non-aqueous media. <i>RSC Advances</i> , 2015 , 5, 75160-75166	3.7	6
66	Fumarate Production by <i>Torulopsis glabrata</i> : Engineering Heterologous Fumarase Expression and Improving Acid Tolerance. <i>PLoS ONE</i> , 2016 , 11, e0164141	3.7	6
65	Engineering the transmission efficiency of the noncyclic glyoxylate pathway for fumarate production in. <i>Biotechnology for Biofuels</i> , 2020 , 13, 132	7.8	6
64	Microbial engineering for the production of C-C organic acids. <i>Natural Product Reports</i> , 2021 , 38, 1518-1546	5.6	6
63	Pathway engineering of Escherichia coli for ketoglutaric acid production. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 2791-2801	4.9	5
62	Enhanced pyruvate production in <i>Candida glabrata</i> by overexpressing the CgAMD1 gene to improve acid tolerance. <i>Biotechnology Letters</i> , 2018 , 40, 143-149	3	5
61	Engineering a CRISPRi Circuit for Autonomous Control of Metabolic Flux in. <i>ACS Synthetic Biology</i> , 2021 , 10, 2661-2671	5.7	5
60	Recycling of cooking oil fume condensate for the production of rhamnolipids by <i>Pseudomonas aeruginosa</i> WB505. <i>Bioprocess and Biosystems Engineering</i> , 2019 , 42, 777-784	3.7	5
59	Lsm12 Mediates Deubiquitination of DNA Polymerase α To Help Resist Oxidative Stress. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	5
58	Production of enantiopure (R)- or (S)-2-hydroxy-4-(methylthio)butanoic acid by multi-enzyme cascades. <i>Bioresources and Bioprocessing</i> , 2019 , 6,	5.2	4

57	Enhanced cephalosporin C production with a combinational ammonium sulfate and DO-Stat based soybean oil feeding strategy. <i>Biochemical Engineering Journal</i> , 2012 , 61, 1-10	4.2	4
56	Mitochondrial fusion and fission are involved in stress tolerance of <i>Candida glabrata</i> . <i>Bioresources and Bioprocessing</i> , 2015 , 2,	5.2	4
55	Method to purify mitochondrial DNA directly from yeast total DNA. <i>Plasmid</i> , 2010 , 64, 196-9	3.3	4
54	Efficient production of phenylpropionic acids by an amino-group-transformation biocatalytic cascade. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 614-625	4.9	4
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