

Guocheng Du

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

303
papers

5,753
citations

39
h-index

55
g-index

340
ext. papers

7,649
ext. citations

5.9
avg, IF

6.32
L-index

#	Paper	IF	Citations
303	Metabolomics-Driven Elucidation of Interactions between <i>Saccharomyces cerevisiae</i> and <i>Lactobacillus panis</i> from Chinese Baijiu Fermentation Microbiome. <i>Fermentation</i> , 2022 , 8, 33	4.7	0
302	The microbiome of Chinese rice wine (Huangjiu).. <i>Current Research in Food Science</i> , 2022 , 5, 325-335	5.6	2
301	Model-driven design of synthetic N-terminal coding sequences for regulating gene expression in yeast and bacteria.. <i>Biotechnology Journal</i> , 2022 , e2100655	5.6	1
300	Recent advances in the development of <i>Aspergillus</i> for protein production.. <i>Bioresource Technology</i> , 2022 , 348, 126768	11	1
299	Combinatorial pathway engineering of <i>Bacillus subtilis</i> for production of structurally defined and homogeneous chitooligosaccharides.. <i>Metabolic Engineering</i> , 2022 ,	9.7	1
298	Correlation between the microbial community and ethyl carbamate generated during Huzhou rice wine fermentation.. <i>Food Research International</i> , 2022 , 154, 111001	7	2
297	Efficient heterologous expression of cytochrome P450 enzymes in microorganisms for the biosynthesis of natural products.. <i>Critical Reviews in Biotechnology</i> , 2022 , 1-15	9.4	5
296	Structure and cleavage pattern of a hyaluronate 3-glycanohydrolase in the glycoside hydrolase 79 family. <i>Carbohydrate Polymers</i> , 2022 , 277, 118838	10.3	0
295	A CRISPR-Cas12a-Based Assay for Efficient Quantification of <i>Lactobacillus panis</i> in Chinese Baijiu Brewing Microbiome. <i>Fermentation</i> , 2022 , 8, 88	4.7	
294	Improving Catalytic Activity and Thermal Stability of Methyl-Parathion Hydrolase for Degrading the Pesticide of Methyl-Parathion. <i>International Journal of Chemical Engineering</i> , 2022 , 2022, 1-10	2.2	0
293	Refactoring transcription factors for metabolic engineering.. <i>Biotechnology Advances</i> , 2022 , 107935	17.8	0
292	Improved Productivity of Transglutaminase by Regulating Zymogen Activation.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 878795	5.8	
291	Combinatorial Metabolic Engineering and Enzymatic Catalysis Enable Efficient Production of Colanic Acid. <i>Microorganisms</i> , 2022 , 10, 877	4.9	1
290	Construction of Multiscale Genome-Scale Metabolic Models: Frameworks and Challenges. <i>Biomolecules</i> , 2022 , 12, 721	5.9	1
289	The challenges and prospects of <i>Escherichia coli</i> as an organic acid production host under acid stress. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 8091-8107	5.7	0
288	Enhanced Production of Transglutaminase in through Random Mutagenesis and Site-Directed Genetic Modification. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 3144-3153	5.7	4
287	Engineered pro-peptide enhances the catalytic activity of keratinase to improve the conversion ability of feather waste. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 2559-2571	4.9	1

286	Metaproteomic analysis of enzymatic composition in Baobaoqu fermentation starter for Wuliangye baijiu. <i>International Journal of Food Science and Technology</i> , 2021 , 56, 4170-4181	3.8	2
285	Reconstruction of the glutamate decarboxylase system in <i>Lactococcus lactis</i> for biosynthesis of food-grade β -aminobutyric acid. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 4127-4140	5.7	6
284	CityApps: A bioinformatics tool for predicting the key residues of enzymes weakly interacting with monovalent metal ions. <i>Process Biochemistry</i> , 2021 , 104, 76-82	4.8	1
283	Conferring thermotolerant phenotype to wild-type <i>Yarrowia lipolytica</i> improves cell growth and erythritol production. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 3117-3127	4.9	1
282	Engineering a ComA Quorum-Sensing circuit to dynamically control the production of Menaquinone-4 in <i>Bacillus subtilis</i> . <i>Enzyme and Microbial Technology</i> , 2021 , 147, 109782	3.8	2
281	Design and construction of novel biocatalyst for bioprocessing: Recent advances and future outlook. <i>Bioresource Technology</i> , 2021 , 332, 125071	11	5
280	Current progress and prospects of enzyme technologies in future foods. <i>Systems Microbiology and Biomanufacturing</i> , 2021 , 1, 24-32		11
279	Recent advances and challenges in microbial production of human milk oligosaccharides. <i>Systems Microbiology and Biomanufacturing</i> , 2021 , 1, 1-14		5
278	Recent Advances in the Microbial Synthesis of Hemoglobin. <i>Trends in Biotechnology</i> , 2021 , 39, 286-297	15.1	10
277	Engineering a thermostable chondroitinase for production of specifically distributed low-molecular-weight chondroitin sulfate. <i>Biotechnology Journal</i> , 2021 , 16, e2000321	5.6	0
276	The elucidation of phosphosugar stress response in <i>Bacillus subtilis</i> guides strain engineering for high N-acetylglucosamine production. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 383-396	4.9	3
275	Biosynthesis of non-animal chondroitin sulfate from methanol using genetically engineered <i>Pichia pastoris</i> . <i>Green Chemistry</i> , 2021 , 23, 4365-4374	10	8
274	Metabolic engineering of <i>Escherichia coli</i> for the production of Lacto-N-neotetraose (LNnT). <i>Systems Microbiology and Biomanufacturing</i> , 2021 , 1, 291		5
273	Synthetic biology-driven microbial production of folates: Advances and perspectives. <i>Bioresource Technology</i> , 2021 , 324, 124624	11	3
272	Recent Advances in the Physicochemical Properties and Biotechnological Application of Hemoglobin. <i>Microorganisms</i> , 2021 , 9,	4.9	1
271	Closed-Loop System Driven by ADP Phosphorylation from Pyrophosphate Affords Equimolar Transformation of ATP to 3'-Phosphoadenosine-5'-phosphosulfate. <i>ACS Catalysis</i> , 2021 , 11, 10405-10415	13.1	1
270	Semi-rational design of L-amino acid deaminase for production of pyruvate and D-alanine by <i>Escherichia coli</i> whole-cell biocatalyst. <i>Amino Acids</i> , 2021 , 53, 1361-1371	3.5	1
269	Engineering diacetylchitobiose deacetylase from <i>Pyrococcus horikoshii</i> towards an efficient glucosamine production. <i>Bioresource Technology</i> , 2021 , 334, 125241	11	7

268	Efficient Secretary Expression and Purification of Food-Grade Porcine Myoglobin in. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 10235-10245	5.7	1
267	Inducible Population Quality Control of Engineered for Improved -Acetylneuraminic Acid Biosynthesis. <i>ACS Synthetic Biology</i> , 2021 , 10, 2197-2209	5.7	0
266	Bioaugmentation of <i>Bacillus amyloliquefaciens</i> - <i>Bacillus kochii</i> co-cultivation to improve sensory quality of flue-cured tobacco. <i>Archives of Microbiology</i> , 2021 , 203, 5723-5733	3	2
265	Synergistic improvement of N-acetylglucosamine production by engineering transcription factors and balancing redox cofactors. <i>Metabolic Engineering</i> , 2021 , 67, 330-346	9.7	5
264	Visualized Multigene Editing System for. <i>ACS Synthetic Biology</i> , 2021 , 10, 2607-2616	5.7	0
263	Growth-coupled evolution and high-throughput screening assisted rapid enhancement for amylase-producing <i>Bacillus licheniformis</i> . <i>Bioresource Technology</i> , 2021 , 337, 125467	11	3
262	Combinatorial engineering for efficient production of protein-glutaminase in <i>Bacillus subtilis</i> . <i>Enzyme and Microbial Technology</i> , 2021 , 150, 109863	3.8	2
261	High level production of diacetylchitobiose deacetylase by refactoring genetic elements and cellular metabolism. <i>Bioresource Technology</i> , 2021 , 341, 125836	11	1
260	Bioprocessing technology of muscle stem cells: implications for cultured meat. <i>Trends in Biotechnology</i> , 2021 ,	15.1	4
259	Development and optimization of N-acetylneuraminic acid biosensors in <i>Bacillus subtilis</i> . <i>Biotechnology and Applied Biochemistry</i> , 2020 , 67, 693-705	2.8	4
258	Optimizing the sulfation-modification system for scale preparation of chondroitin sulfate A. <i>Carbohydrate Polymers</i> , 2020 , 246, 116570	10.3	5
257	Assembly of pathway enzymes by engineering functional membrane microdomain components for improved N-acetylglucosamine synthesis in <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2020 , 61, 96-105	9.7	3
256	Development of a DNA double-strand break-free base editing tool in for genome editing and metabolic engineering. <i>Metabolic Engineering Communications</i> , 2020 , 11, e00135	6.5	2
255	Eliminating the capsule-like layer to promote glucose uptake for hyaluronan production by engineered <i>Corynebacterium glutamicum</i> . <i>Nature Communications</i> , 2020 , 11, 3120	17.4	26
254	Biocatalytic synthesis of lactosucrose using a recombinant thermostable β -fructofuranosidase from sp. 10138. <i>Bioengineered</i> , 2020 , 11, 416-427	5.7	10
253	CAMERS-B: CRISPR/Cpf1 assisted multiple-genes editing and regulation system for <i>Bacillus subtilis</i> . <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1817-1825	4.9	21
252	Enzyme Assembly for Compartmentalized Metabolic Flux Control. <i>Metabolites</i> , 2020 , 10,	5.6	4
251	Systems metabolic engineering of <i>Bacillus subtilis</i> for efficient biosynthesis of 5-methyltetrahydrofolate. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 2116-2130	4.9	6

250	CRISPRi-Guided Multiplexed Fine-Tuning of Metabolic Flux for Enhanced Lacto-neotetraose Production in. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 2477-2484	5.7	29
249	Enzyme assembly guided by SPFH-induced functional inclusion bodies for enhanced cascade biocatalysis. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1446-1457	4.9	2
248	Cell Membrane and Electron Transfer Engineering for Improved Synthesis of Menaquinone-7 in <i>Bacillus subtilis</i> . <i>IScience</i> , 2020 , 23, 100918	6.1	17
247	Synthetic metabolic channel by functional membrane microdomains for compartmentalized flux control. <i>Metabolic Engineering</i> , 2020 , 59, 106-118	9.7	9
246	Site-directed mutagenesis to improve the thermostability of tyrosine phenol-lyase. <i>Journal of Biotechnology</i> , 2020 , 310, 6-12	3.7	2
245	Fate of antibiotics, antibiotic-resistant bacteria, and cell-free antibiotic-resistant genes in full-scale membrane bioreactor wastewater treatment plants. <i>Bioresource Technology</i> , 2020 , 302, 122825	11	59
244	Microbial Chassis Development for Natural Product Biosynthesis. <i>Trends in Biotechnology</i> , 2020 , 38, 779-796	19.6	42
243	Combining genetically-encoded biosensors with high throughput strain screening to maximize erythritol production in <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2020 , 60, 66-76	9.7	18
242	Combinatorial Methylerythritol Phosphate Pathway Engineering and Process Optimization for Increased Menaquinone-7 Synthesis in. <i>Journal of Microbiology and Biotechnology</i> , 2020 , 30, 762-769	3.3	5
241	Synergetic engineering of central carbon and nitrogen metabolism for the production of N-acetylglucosamine in <i>Bacillus subtilis</i> . <i>Biotechnology and Applied Biochemistry</i> , 2020 , 67, 123-132	2.8	3
240	High-yield and plasmid-free biocatalytic production of 5-methylpyrazine-2-carboxylic acid by combinatorial genetic elements engineering and genome engineering of <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 2020 , 134, 109488	3.8	9
239	Design of a programmable biosensor-CRISPRi genetic circuits for dynamic and autonomous dual-control of metabolic flux in <i>Bacillus subtilis</i> . <i>Nucleic Acids Research</i> , 2020 , 48, 996-1009	20.1	57
238	Metabolic engineering for the production of fat-soluble vitamins: advances and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 935-951	5.7	10
237	Construction of saturated odd- and even-numbered hyaluronan oligosaccharide building block library. <i>Carbohydrate Polymers</i> , 2020 , 231, 115700	10.3	6
236	Titration bacterial growth and chemical biosynthesis for efficient N-acetylglucosamine and N-acetylneuraminic acid bioproduction. <i>Nature Communications</i> , 2020 , 11, 5078	17.4	9
235	Combinatorial strategy towards the efficient expression of lipoxygenase in <i>Escherichia coli</i> at elevated temperatures. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 10047-10057	5.7	3
234	Developing <i>Aspergillus niger</i> as a cell factory for food enzyme production. <i>Biotechnology Advances</i> , 2020 , 44, 107630	17.8	15
233	Quantitation of RNA by a fluorometric method using the SYTO RNASelect stain. <i>Analytical Biochemistry</i> , 2020 , 606, 113857	3.1	2

232	Genome sequencing and flavor compound biosynthesis pathway analyses of <i>Bacillus licheniformis</i> isolated from Chinese Maotai-flavor liquor-brewing microbiome. <i>Food Biotechnology</i> , 2020 , 34, 193-211	2.2	8
231	Combinatorial engineering for improved menaquinone-4 biosynthesis in <i>Bacillus subtilis</i> . <i>Enzyme and Microbial Technology</i> , 2020 , 141, 109652	3.8	7
230	Enhancement of 2-phenylethanol production by a wild-type <i>Wickerhamomyces anomalus</i> strain isolated from rice wine. <i>Bioresource Technology</i> , 2020 , 318, 124257	11	6
229	Towards next-generation model microorganism chassis for biomanufacturing. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 9095-9108	5.7	2
228	Pyruvate-responsive genetic circuits for dynamic control of central metabolism. <i>Nature Chemical Biology</i> , 2020 , 16, 1261-1268	11.7	34
227	Enhancement of pyruvic acid production in <i>Candida glabrata</i> by engineering hypoxia-inducible factor 1. <i>Bioresource Technology</i> , 2020 , 295, 122248	11	8
226	Engineering the heparin-binding pocket to enhance the catalytic efficiency of a thermostable heparinase III from <i>Bacteroides thetaiotaomicron</i> . <i>Enzyme and Microbial Technology</i> , 2020 , 137, 109549	3.8	5
225	Improving production of <i>Streptomyces griseus</i> trypsin for enzymatic processing of insulin precursor. <i>Microbial Cell Factories</i> , 2020 , 19, 88	6.4	1
224	Biotransformation of keratin waste to amino acids and active peptides based on cell-free catalysis. <i>Biotechnology for Biofuels</i> , 2020 , 13, 61	7.8	19
223	Enhancing subtilisin thermostability through a modified normalized B-factor analysis and loop-grafting strategy. <i>Journal of Biological Chemistry</i> , 2019 , 294, 18398-18407	5.4	8
222	Identification of NAD-Dependent Xylitol Dehydrogenase from WSH-003. <i>ACS Omega</i> , 2019 , 4, 15074-15080	3.9	5
221	Efficient biosynthesis of 2-keto-D-gluconic acid by fed-batch culture of metabolically engineered. <i>Synthetic and Systems Biotechnology</i> , 2019 , 4, 134-141	4.2	12
220	Modular pathway engineering of key precursor supply pathways for lacto--neotetraose production in. <i>Biotechnology for Biofuels</i> , 2019 , 12, 212	7.8	19
219	Integrating enzyme evolution and high-throughput screening for efficient biosynthesis of L-DOPA. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 1631-1641	4.2	10
218	Engineering the Substrate Transport and Cofactor Regeneration Systems for Enhancing 2SFucosyllactose Synthesis in. <i>ACS Synthetic Biology</i> , 2019 , 8, 2418-2427	5.7	25
217	Engineering enzymatic cascades for the efficient biotransformation of eugenol and taxifolin to silybin and isosilybin. <i>Green Chemistry</i> , 2019 , 21, 1660-1667	10	15
216	Food-grade expression of an iron-containing acid urease in <i>Bacillus subtilis</i> . <i>Journal of Biotechnology</i> , 2019 , 293, 66-71	3.7	6
215	Metabolic engineering of S9114 based on whole-genome sequencing for efficient -acetylglucosamine synthesis. <i>Synthetic and Systems Biotechnology</i> , 2019 , 4, 120-129	4.2	12

214	Engineering a Bifunctional Phr60-Rap60-Spo0A Quorum-Sensing Molecular Switch for Dynamic Fine-Tuning of Menaquinone-7 Synthesis in. <i>ACS Synthetic Biology</i> , 2019 , 8, 1826-1837	5.7	49
213	Secretory expression of the rat aryl sulfotransferases IV with improved catalytic efficiency by molecular engineering. <i>3 Biotech</i> , 2019 , 9, 246	2.8	1
212	Systematic characterization of sorbose/sorbosone dehydrogenases and sorbosone dehydrogenases from <i>Ketogulonicigenium vulgare</i> WSH-001. <i>Journal of Biotechnology</i> , 2019 , 301, 24-34	3.7	7
211	An efficient expression tag library based on self-assembling amphipathic peptides. <i>Microbial Cell Factories</i> , 2019 , 18, 91	6.4	8
210	Efficient bioconversion of epimedin C to icariin by a glycosidase from <i>Aspergillus nidulans</i> . <i>Bioresource Technology</i> , 2019 , 289, 121612	11	14
209	Effective biodegradation of chicken feather waste by co-cultivation of keratinase producing strains. <i>Microbial Cell Factories</i> , 2019 , 18, 84	6.4	31
208	Keratin Waste Recycling Based on Microbial Degradation: Mechanisms and Prospects. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 9727-9736	8.3	28
207	Microbial production of sialic acid and sialylated human milk oligosaccharides: Advances and perspectives. <i>Biotechnology Advances</i> , 2019 , 37, 787-800	17.8	27
206	Metabolic engineering of <i>Escherichia coli</i> BL21 (DE3) for de novo production of L-DOPA from D-glucose. <i>Microbial Cell Factories</i> , 2019 , 18, 74	6.4	31
205	Synthesis and antitumor activity of cyclic octapeptide, samoamide A, and its derivatives. <i>Medicinal Chemistry Research</i> , 2019 , 28, 768-777	2.2	1
204	Engineering of L-amino acid deaminases for the production of keto acids from L-amino acids. <i>Bioengineered</i> , 2019 , 10, 43-51	5.7	5
203	Insight into subtilisin E-S7 cleavage pattern based on crystal structure and hydrolysates peptide analysis. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 512, 623-628	3.4	1
202	Pathway Engineering of <i>Bacillus subtilis</i> for Enhanced N-Acetylneuraminic Acid Production via Whole-Cell Biocatalysis. <i>Biotechnology Journal</i> , 2019 , 14, e1800682	5.6	3
201	Coupling feedback genetic circuits with growth phenotype for dynamic population control and intelligent bioproduction. <i>Metabolic Engineering</i> , 2019 , 54, 109-116	9.7	54
200	Molecular engineering of chitinase from <i>Bacillus</i> sp. DAU101 for enzymatic production of chitooligosaccharides. <i>Enzyme and Microbial Technology</i> , 2019 , 124, 54-62	3.8	20
199	Deep dewatering process of sludge by chemical conditioning and its potential influence on wastewater treatment plants. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 33838-33846	5.1	7
198	Combinatorial Fine-Tuning of GNA1 and GlmS Expression by 5STerminus Fusion Engineering Leads to Overproduction of N-Acetylglucosamine in <i>Bacillus subtilis</i> . <i>Biotechnology Journal</i> , 2019 , 14, e1800264	5.6	7
197	Secretory expression of biologically active chondroitinase ABC I for production of chondroitin sulfate oligosaccharides. <i>Carbohydrate Polymers</i> , 2019 , 224, 115135	10.3	7

196	Efficient separation of Eketoglutarate from <i>Yarrowia lipolytica</i> WSH-Z06 culture broth by converting pyruvate to l-tyrosine. <i>Bioresource Technology</i> , 2019 , 292, 121897	11	11
195	Systemic understanding of <i>Lactococcus lactis</i> response to acid stress using transcriptomics approaches. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 1621-1629	4.2	8
194	Enhanced acid-stress tolerance in <i>Lactococcus lactis</i> NZ9000 by overexpression of ABC transporters. <i>Microbial Cell Factories</i> , 2019 , 18, 136	6.4	15
193	Creating an in vivo bifunctional gene expression circuit through an aptamer-based regulatory mechanism for dynamic metabolic engineering in <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2019 , 55, 179-190	9.7	19
192	Synthetic N-terminal coding sequences for fine-tuning gene expression and metabolic engineering in <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2019 , 55, 131-141	9.7	30
191	Stress tolerance phenotype of industrial yeast: industrial cases, cellular changes, and improvement strategies. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 6449-6462	5.7	11
190	Secretory Expression Fine-Tuning and Directed Evolution of Diacetylchitobiose Deacetylase by <i>Bacillus subtilis</i> . <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	10
189	Microbiome analysis and random forest algorithm-aided identification of the diacetyl-producing microorganisms in the stacking fermentation stage of Maotai-flavor liquor production. <i>Food Biotechnology</i> , 2019 , 33, 338-352	2.2	1
188	Characteristic and correlation analysis of influent and energy consumption of wastewater treatment plants in Taihu Basin. <i>Frontiers of Environmental Science and Engineering</i> , 2019 , 13, 1	5.8	12
187	Metabolic Engineering of to Improve Glucan Biosynthesis. <i>Journal of Microbiology and Biotechnology</i> , 2019 , 29, 758-764	3.3	4
186	Engineering strong and stress-responsive promoters in by interlocking sigma factor binding motifs. <i>Synthetic and Systems Biotechnology</i> , 2019 , 4, 197-203	4.2	8
185	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
184	Synthetic repetitive extragenic palindromic (REP) sequence as an efficient mRNA stabilizer for protein production and metabolic engineering in prokaryotic cells. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 5-18	4.9	11
183	Piggery wastewater treatment by aerobic granular sludge: Granulation process and antibiotics and antibiotic-resistant bacteria removal and transport. <i>Bioresource Technology</i> , 2019 , 273, 350-357	11	45
182	Protein engineering to enhance keratinolytic protease activity and excretion in <i>Escherichia coli</i> and its scale-up fermentation for high extracellular yield. <i>Enzyme and Microbial Technology</i> , 2019 , 121, 37-44	3.8	10
181	An efficient thermostabilization strategy based on self-assembling amphipathic peptides for fusion tags. <i>Enzyme and Microbial Technology</i> , 2019 , 121, 68-77	3.8	3
180	Synthetic Biology Toolbox and Chassis Development in <i>Bacillus subtilis</i> . <i>Trends in Biotechnology</i> , 2019 , 37, 548-562	15.1	45
179	Combinatorial pathway enzyme engineering and host engineering overcomes pyruvate overflow and enhances overproduction of N-acetylglucosamine in <i>Bacillus subtilis</i> . <i>Microbial Cell Factories</i> , 2019 , 18, 1	6.4	84

178	Synthetic redesign of central carbon and redox metabolism for high yield production of N-acetylglucosamine in <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2019 , 51, 59-69	9.7	34
177	Gene cloning and expression of the L-asparaginase from <i>Bacillus cereus</i> BDRD-ST26 in <i>Bacillus subtilis</i> WB600. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 127, 418-424	3.3	8
176	Reactivation and pilot-scale application of long-term storage denitrification biofilm based on flow cytometry. <i>Water Research</i> , 2019 , 148, 368-377	12.5	23
175	Engineering of multiple modular pathways for high-yield production of 5-aminolevulinic acid in <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2019 , 274, 353-360	11	27
174	Construction of Synthetic Promoters by Assembling the Sigma Factor Binding -35 and -10 Boxes. <i>Biotechnology Journal</i> , 2019 , 14, e1800298	5.6	9
173	Engineering of Biosynthesis Pathway and NADPH Supply for Improved L-5-Methyltetrahydrofolate Production by. <i>Journal of Microbiology and Biotechnology</i> , 2019 , 31, 154-162	3.3	1
172	A microbial-enzymatic strategy for producing chondroitin sulfate glycosaminoglycans. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 1561-1570	4.9	19
171	Transcriptional regulator XYR1 activates the expression of cellobiose synthase to promote the production of cellulase from glucose. <i>Biotechnology Letters</i> , 2018 , 40, 973-979	3	1
170	Bio-Based Strategies for Producing Glycosaminoglycans and Their Oligosaccharides. <i>Trends in Biotechnology</i> , 2018 , 36, 806-818	15.1	23
169	Evolutionary engineering of industrial microorganisms-strategies and applications. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 4615-4627	5.7	28
168	Recent advances in enhanced enzyme activity, thermostability and secretion by N-glycosylation regulation in yeast. <i>Biotechnology Letters</i> , 2018 , 40, 847-854	3	19
167	Regulation of Sensing, Transportation, and Catabolism of Nitrogen Sources in <i>Saccharomyces cerevisiae</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2018 , 82,	13.2	49
166	Complete genome sequence and analysis of the industrial <i>Saccharomyces cerevisiae</i> strain N85 used in Chinese rice wine production. <i>DNA Research</i> , 2018 ,	4.5	5
165	Efficient expression of cyclodextrin glycosyltransferase from <i>Geobacillus stearothermophilus</i> in <i>Escherichia coli</i> by promoter engineering and downstream box evolution. <i>Journal of Biotechnology</i> , 2018 , 266, 77-83	3.7	9
164	One step synthesis of unnatural β -tryptophan derivatives using mutant phenylalanine aminomutase from <i>Taxus chinensis</i> with high β -regioselectivity. <i>Enzyme and Microbial Technology</i> , 2018 , 114, 22-28	3.8	6
163	Comparative genomics and transcriptomics analysis-guided metabolic engineering of <i>Propionibacterium acidipropionici</i> for improved propionic acid production. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 483-494	4.9	24
162	Construction and Characterization of Broad-Spectrum Promoters for Synthetic Biology. <i>ACS Synthetic Biology</i> , 2018 , 7, 287-291	5.7	35
161	Enhanced pyruvate production in <i>Candida glabrata</i> by carrier engineering. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 473-482	4.9	13

160	Improved production of 2,5-furandicarboxylic acid by overexpression of 5-hydroxymethylfurfural oxidase and 5-hydroxymethylfurfural/furfural oxidoreductase in <i>Raoultella ornithinolytica</i> BF60. <i>Bioresource Technology</i> , 2018 , 247, 1184-1188	11	43
159	A new approach for efficient synthesis of phenyllactic acid from L-phenylalanine: Pathway design and cofactor engineering. <i>Journal of Food Biochemistry</i> , 2018 , 42, e12584	3-3	9
158	Improving bioconversion of eugenol to coniferyl alcohol by in situ eliminating harmful HO. <i>Bioresource Technology</i> , 2018 , 267, 578-583	11	6
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