Guocheng Du

List of Publications by Year
in descending order

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320 papers	9,512 citations	47 h-index	70 g-index
		47006	88630
340 all docs	340 docs citations	340 times ranked	6828 citing authors

#	Article	IF	Citations
1	Efficient heterologous expression of cytochrome P450 enzymes in microorganisms for the biosynthesis of natural products. Critical Reviews in Biotechnology, 2023, 43, 227-241.	9.0	30
2	Enzymatic production of N-acetylneuraminic acid: advances and perspectives. Systems Microbiology and Biomanufacturing, 2022, 2, 130-146.	2.9	4
3	Structure and cleavage pattern of a hyaluronate 3-glycanohydrolase in the glycoside hydrolase 79 family. Carbohydrate Polymers, 2022, 277, 118838.	10.2	7
4	Chitin deacetylase: from molecular structure to practical applications. Systems Microbiology and Biomanufacturing, 2022, 2, 271-284.	2.9	6
5	Metabolomics-Driven Elucidation of Interactions between Saccharomyces cerevisiae and Lactobacillus panis from Chinese Baijiu Fermentation Microbiome. Fermentation, 2022, 8, 33.	3.0	6
6	The microbiome of Chinese rice wine (Huangjiu). Current Research in Food Science, 2022, 5, 325-335.	5.8	24
7	Improved Neomycin Sulfate Potency in Streptomyces fradiae Using Atmospheric and Room Temperature Plasma (ARTP) Mutagenesis and Fermentation Medium Optimization. Microorganisms, 2022, 10, 94.	3.6	16
8	Modelâ€driven design of synthetic Nâ€terminal coding sequences for regulating gene expression in yeast and bacteria. Biotechnology Journal, 2022, 17, e2100655.	3.5	7
9	Recent advances in the development of Aspergillus for protein production. Bioresource Technology, 2022, 348, 126768.	9.6	19
10	Combinatorial pathway engineering of Bacillus subtilis for production of structurally defined and homogeneous chitooligosaccharides. Metabolic Engineering, 2022, 70, 55-66.	7.0	7
11	Engineered yeast for efficient de novo synthesis of 7â€dehydrocholesterol. Biotechnology and Bioengineering, 2022, 119, 1278-1289.	3.3	14
12	Correlation between the microbial community and ethyl carbamate generated during Huzhou rice wine fermentation. Food Research International, 2022, 154, 111001.	6.2	12
13	Efficient Bioproduction of Human Milk Alpha-Lactalbumin in Komagataella phaffii. Journal of Agricultural and Food Chemistry, 2022, 70, 2664-2672.	5.2	3
14	Synthesis of bioengineered heparin by recombinant yeast Pichia pastoris. Green Chemistry, 2022, 24, 3180-3192.	9.0	22
15	Vitamin C enhances the ex vivo proliferation of porcine muscle stem cells for cultured meat production. Food and Function, 2022, 13, 5089-5101.	4.6	13
16	A CRISPR-Cas12a-Based Assay for Efficient Quantification of Lactobacillus panis in Chinese Baijiu Brewing Microbiome. Fermentation, 2022, 8, 88.	3.0	1
17	Recent advances and prospects in purification and heterologous expression of lactoferrin. , 2022, 1, 58-67.		8
18	[NiFe] Hydrogenase Accessory Proteins HypBâ€“HypC Accelerate Proton Conversion to Enhance the Acid Resistance and <scp>d</scp>-Lactic Acid Production of Escherichia coli. ACS Synthetic Biology, 2022, 11, 1521-1530.	3.8	4

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19	Improving Catalytic Activity and Thermal Stability of Methyl-Parathion Hydrolase for Degrading the Pesticide of Methyl-Parathion. International Journal of Chemical Engineering, 2022, 2022, 1-10.	2.4	3
20	Refactoring transcription factors for metabolic engineering. Biotechnology Advances, 2022, 57, 107935.	11.7	35
21	Bioprocessing technology of muscle stem cells: implications for cultured meat. Trends in Biotechnology, 2022, 40, 721-734.	9.3	40
22	Significantly Enhanced Thermostability of Aspergillus niger Xylanase by Modifying Its Highly Flexible Regions. Journal of Agricultural and Food Chemistry, 2022, 70, 4620-4630.	5.2	16
23	Improved Productivity of Streptomyces mobaraensis Transglutaminase by Regulating Zymogen Activation. Frontiers in Bioengineering and Biotechnology, 2022, 10, 878795.	4.1	1
24	Combining CRISPRâ€“Cpf1 and Recombineering Facilitates Fast and Efficient Genome Editing in Escherichia coli. ACS Synthetic Biology, 2022, 11, 1897-1907.	3.8	17
25	Combinatorial Metabolic Engineering and Enzymatic Catalysis Enable Efficient Production of Colanic Acid. Microorganisms, 2022, 10, 877.	3.6	5
26	Modifying the Substrate Specificity of Keratinase for Industrial Dehairing to Replace Lime-Sulfide. ACS Sustainable Chemistry and Engineering, 2022, 10, 6863-6870.	6.7	5
27	High-Level 5-Methyltetrahydrofolate Bioproduction in Bacillus subtilis by Combining Modular Engineering and Transcriptomics-Guided Global Metabolic Regulation. Journal of Agricultural and Food Chemistry, 2022, 70, 5849-5859.	5.2	4
28	Construction of Multiscale Genome-Scale Metabolic Models: Frameworks and Challenges. Biomolecules, 2022, 12, 721.	4.0	7
29	Metabolite-based cell sorting workflow for identifying microbes producing carbonyls in tobacco leaves. Applied Microbiology and Biotechnology, 2022, 106, 4199-4209.	3.6	3
30	De novo biosynthesis of rubusoside and rebaudiosides in engineered yeasts. Nature Communications, 2022, 13, .	12.8	36
31	Biosynthesis of non-sulfated high-molecular-weight glycosaminoglycans and specific-sized oligosaccharides. Carbohydrate Polymers, 2022, 295, 119829.	10.2	8
32	Current progress and prospects of enzyme technologies in future foods. Systems Microbiology and Biomanufacturing, 2021, 1, 24-32.	2.9	16
33	Recent advances and challenges in microbial production of human milk oligosaccharides. Systems Microbiology and Biomanufacturing, 2021, 1, 1-14.	2.9	14
34	Recent Advances in the Microbial Synthesis of Hemoglobin. Trends in Biotechnology, 2021, 39, 286-297.	9.3	36
35	Engineering a thermostable chondroitinase for production of specifically distributed lowâ€molecularâ€weight chondroitin sulfate. Biotechnology Journal, 2021, 16, e2000321.	3.5	7
36	The elucidation of phosphosugar stress response in Bacillus subtilis guides strain engineering for high Nâ€acetylglucosamine production. Biotechnology and Bioengineering, 2021, 118, 383-396.	3.3	8

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37	Biosynthesis of non-animal chondroitin sulfate from methanol using genetically engineered Pichia pastoris. Green Chemistry, 2021, 23, 4365-4374.	9.0	36
38	Metabolic engineering of Escherichia coli for the production of Lacto-N-neotetraose (LNnT). Systems Microbiology and Biomanufacturing, 2021, 1, 291-301.	2.9	24
39	Synthetic biology-driven microbial production of folates: Advances and perspectives. Bioresource Technology, 2021, 324, 124624.	9.6	4
40	Enhanced Production of Transglutaminase in Streptomyces mobaraensis through Random Mutagenesis and Site-Directed Genetic Modification. Journal of Agricultural and Food Chemistry, 2021, 69, 3144-3153.	5.2	12
41	Engineered proâ€peptide enhances the catalytic activity of keratinase to improve the conversion ability of feather waste. Biotechnology and Bioengineering, 2021, 118, 2559-2571.	3.3	15
42	Structural Characterization of a Minimal Antibody against Human APOBEC3B. Viruses, 2021, 13, 663.	3.3	2
43	Metaproteomic analysis of enzymatic composition in Baobaoqu fermentation starter for Wuliangye baijiu. International Journal of Food Science and Technology, 2021, 56, 4170-4181.	2.7	8
44	Reconstruction of the glutamate decarboxylase system in Lactococcus lactis for biosynthesis of food-grade Î³-aminobutyric acid. Applied Microbiology and Biotechnology, 2021, 105, 4127-4140.	3.6	13
45	CityApps: A bioinformatics tool for predicting the key residues of enzymes weakly interacting with monovalent metal ions. Process Biochemistry, 2021, 104, 76-82.	3.7	3
46	Conferring thermotolerant phenotype to wildâ€type Yarrowia lipolytica improves cell growth and erythritol production. Biotechnology and Bioengineering, 2021, 118, 3117-3127.	3.3	14
47	Engineering a ComA Quorum-Sensing circuit to dynamically control the production of Menaquinone-4 in Bacillus subtilis. Enzyme and Microbial Technology, 2021, 147, 109782.	3.2	7
48	Design and construction of novel biocatalyst for bioprocessing: Recent advances and future outlook. Bioresource Technology, 2021, 332, 125071.	9.6	27
49	Recent Advances in the Physicochemical Properties and Biotechnological Application of Vitreoscilla Hemoglobin. Microorganisms, 2021, 9, 1455.	3.6	13
50	Closed-Loop System Driven by ADP Phosphorylation from Pyrophosphate Affords Equimolar Transformation of ATP to 3â€²-Phosphoadenosine-5â€²-phosphosulfate. ACS Catalysis, 2021, 11, 10405-10415.	11.2	20
51	Semi-rational design of L-amino acid deaminase for production of pyruvate and d-alanine by Escherichia coli whole-cell biocatalyst. Amino Acids, 2021, 53, 1361-1371.	2.7	4
52	Engineering diacetylchitobiose deacetylase from Pyrococcus horikoshii towards an efficient glucosamine production. Bioresource Technology, 2021, 334, 125241.	9.6	20
53	Efficient Secretory Expression and Purification of Food-Grade Porcine Myoglobin in Komagataella phaffii. Journal of Agricultural and Food Chemistry, 2021, 69, 10235-10245.	5.2	12
54	Inducible Population Quality Control of Engineered Bacillus subtilis for Improved N-Acetylneuraminic Acid Biosynthesis. ACS Synthetic Biology, 2021, 10, 2197-2209.	3.8	7

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55	Bioaugmentation of Bacillus amyloliquefaciensâ€“Bacillus kochii co-cultivation to improve sensory quality of flue-cured tobacco. Archives of Microbiology, 2021, 203, 5723-5733.	2.2	19
56	Synergistic improvement of N-acetylglucosamine production by engineering transcription factors and balancing redox cofactors. Metabolic Engineering, 2021, 67, 330-346.	7.0	43
57	Visualized Multigene Editing System for Aspergillus niger. ACS Synthetic Biology, 2021, 10, 2607-2616.	3.8	11
58	Growth-coupled evolution and high-throughput screening assisted rapid enhancement for amylase-producing Bacillus licheniformis. Bioresource Technology, 2021, 337, 125467.	9.6	27
59	Combinatorial engineering for efficient production of protein-glutaminase in Bacillus subtilis. Enzyme and Microbial Technology, 2021, 150, 109863.	3.2	15
60	High level production of diacetylchitobiose deacetylase by refactoring genetic elements and cellular metabolism. Bioresource Technology, 2021, 341, 125836.	9.6	9
61	Engineering of Biosynthesis Pathway and NADPH Supply for Improved L-5-Methyltetrahydrofolate Production by Lactococcus lactis. Journal of Microbiology and Biotechnology, 2021, 31, 154-162.	2.1	6
62	The challenges and prospects of Escherichia coli as an organic acid production host under acid stress. Applied Microbiology and Biotechnology, 2021, 105, 8091-8107.	3.6	12
63	Engineering of Synthetic Multiplexed Pathways for High-Level N-Acetylneuraminic Acid Bioproduction. Journal of Agricultural and Food Chemistry, 2021, 69, 14868-14877.	5.2	11
64	Synthetic Biology Toolkits and Metabolic Engineering Applied in Corynebacterium glutamicum for Biomanufacturing. ACS Synthetic Biology, 2021, 10, 3237-3250.	3.8	14
65	Enhancement of pyruvic acid production in Candida glabrata by engineering hypoxia-inducible factor 1. Bioresource Technology, 2020, 295, 122248.	9.6	18
66	Synergetic engineering of central carbon and nitrogen metabolism for the production ofNâ€acetylglucosamine inBacillus subtilis. Biotechnology and Applied Biochemistry, 2020, 67, 123-132.	3.1	7
67	High-yield and plasmid-free biocatalytic production of 5-methylpyrazine-2-carboxylic acid by combinatorial genetic elements engineering and genome engineering of Escherichia coli. Enzyme and Microbial Technology, 2020, 134, 109488.	3.2	17
68	Design of a programmable biosensor-CRISPRi genetic circuits for dynamic and autonomous dual-control of metabolic flux in Bacillus subtilis. Nucleic Acids Research, 2020, 48, 996-1009.	14.5	111
69	Metabolic engineering for the production of fat-soluble vitamins: advances and perspectives. Applied Microbiology and Biotechnology, 2020, 104, 935-951.	3.6	25
70	Construction of saturated odd- and even-numbered hyaluronan oligosaccharide building block library. Carbohydrate Polymers, 2020, 231, 115700.	10.2	16
71	Titrating bacterial growth and chemical biosynthesis for efficient N-acetylglucosamine and N-acetylneuraminic acid bioproduction. Nature Communications, 2020, 11, 5078.	12.8	33
72	Combinatorial strategy towards the efficient expression of lipoxygenase in Escherichia coli at elevated temperatures. Applied Microbiology and Biotechnology, 2020, 104, 10047-10057.	3.6	5

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73	Developing Aspergillus niger as a cell factory for food enzyme production. Biotechnology Advances, 2020, 44, 107630.	11.7	64
74	Quantitation of RNA by a fluorometric method using the SYTO RNASelect stain. Analytical Biochemistry, 2020, 606, 113857.	2.4	6
75	Genome sequencing and flavor compound biosynthesis pathway analyses of Bacillus licheniformis isolated from Chinese Maotai-flavor liquor-brewing microbiome. Food Biotechnology, 2020, 34, 193-211.	1.5	14
76	Combinatorial engineering for improved menaquinone-4 biosynthesis in Bacillus subtilis. Enzyme and Microbial Technology, 2020, 141, 109652.	3.2	13
77	Enhancement of 2-phenylethanol production by a wild-type Wickerhamomyces anomalus strain isolated from rice wine. Bioresource Technology, 2020, 318, 124257.	9.6	20
78	Towards next-generation model microorganism chassis for biomanufacturing. Applied Microbiology and Biotechnology, 2020, 104, 9095-9108.	3.6	9
79	Pyruvate-responsive genetic circuits for dynamic control of central metabolism. Nature Chemical Biology, 2020, 16, 1261-1268.	8.0	94
80	Development and optimization of Nâ€acetylneuraminic acid biosensors in Bacillus subtilis. Biotechnology and Applied Biochemistry, 2020, 67, 693-705.	3.1	8
81	Optimizing the sulfation-modification system for scale preparation of chondroitin sulfate A. Carbohydrate Polymers, 2020, 246, 116570.	10.2	13
82	Assembly of pathway enzymes by engineering functional membrane microdomain components for improved N-acetylglucosamine synthesis in Bacillus subtilis. Metabolic Engineering, 2020, 61, 96-105.	7.0	15
83	Development of a DNA double-strand break-free base editing tool in Corynebacterium glutamicum for genome editing and metabolic engineering. Metabolic Engineering Communications, 2020, 11, e00135.	3.6	9
84	Eliminating the capsule-like layer to promote glucose uptake for hyaluronan production by engineered Corynebacterium glutamicum. Nature Communications, 2020, 11, 3120.	12.8	51
85	Biocatalytic synthesis of lactosucrose using a recombinant thermostable Î²-fructofuranosidase from Arthrobacter sp. 10138. Bioengineered, 2020, 11, 416-427.	3.2	14
86	CAMERSâ€B: CRISPR/Cpf1 assisted multipleâ€genes editing and regulation system for Bacillus subtilis. Biotechnology and Bioengineering, 2020, 117, 1817-1825.	3.3	58
87	Enzyme Assembly for Compartmentalized Metabolic Flux Control. Metabolites, 2020, 10, 125.	2.9	17
88	Systems metabolic engineering of Bacillus subtilis for efficient biosynthesis of 5â€methyltetrahydrofolate. Biotechnology and Bioengineering, 2020, 117, 2116-2130.	3.3	16
89	CRISPRi-Guided Multiplexed Fine-Tuning of Metabolic Flux for Enhanced Lacto-N-neotetraose Production in Bacillus subtilis. Journal of Agricultural and Food Chemistry, 2020, 68, 2477-2484.	5.2	50
90	Enzyme assembly guided by SPFHâ€induced functional inclusion bodies for enhanced cascade biocatalysis. Biotechnology and Bioengineering, 2020, 117, 1446-1457.	3.3	3

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91	Cell Membrane and Electron Transfer Engineering for Improved Synthesis of Menaquinone-7 in Bacillus subtilis. IScience, 2020, 23, 100918.	4.1	29
92	Synthetic metabolic channel by functional membrane microdomains for compartmentalized flux control. Metabolic Engineering, 2020, 59, 106-118.	7.0	21
93	Site-directed mutagenesis to improve the thermostability of tyrosine phenol-lyase. Journal of Biotechnology, 2020, 310, 6-12.	3.8	4
94	Fate of antibiotics, antibiotic-resistant bacteria, and cell-free antibiotic-resistant genes in full-scale membrane bioreactor wastewater treatment plants. Bioresource Technology, 2020, 302, 122825.	9.6	94
95	Microbial Chassis Development for Natural Product Biosynthesis. Trends in Biotechnology, 2020, 38, 779-796.	9.3	84
96	Combining genetically-encoded biosensors with high throughput strain screening to maximize erythritol production in Yarrowia lipolytica. Metabolic Engineering, 2020, 60, 66-76.	7.0	57
97	Engineering the heparin-binding pocket to enhance the catalytic efficiency of a thermostable heparinase III from Bacteroides thetaiotaomicron. Enzyme and Microbial Technology, 2020, 137, 109549.	3.2	15
98	Improving production of Streptomyces griseus trypsin for enzymatic processing of insulin precursor. Microbial Cell Factories, 2020, 19, 88.	4.0	4
99	Biotransformation of keratin waste to amino acids and active peptides based on cell-free catalysis. Biotechnology for Biofuels, 2020, 13, 61.	6.2	41
100	Combinatorial Methylerythritol Phosphate Pathway Engineering and Process Optimization for Increased Menaquinone-7 Synthesis in Bacillus subtilis. Journal of Microbiology and Biotechnology, 2020, 30, 762-769.	2.1	10
101	Construction of Synthetic Promoters by Assembling the Sigma Factor Binding â^'35 and â^'10 Boxes. Biotechnology Journal, 2019, 14, e1800298.	3.5	20
102	Deep dewatering process of sludge by chemical conditioning and its potential influence on wastewater treatment plants. Environmental Science and Pollution Research, 2019, 26, 33838-33846.	5.3	13
103	Combinatorial Fine-Tuning of GNA1 and GlmS Expression by 5â€™-Terminus Fusion Engineering Leads to Overproduction of N-Acetylglucosamine inBacillus subtilis. Biotechnology Journal, 2019, 14, 1800264.	3.5	10
104	Secretory expression of biologically active chondroitinase ABC I for production of chondroitin sulfate oligosaccharides. Carbohydrate Polymers, 2019, 224, 115135.	10.2	15
105	Efficient separation of Î±-ketoglutarate from Yarrowia lipolytica WSH-Z06 culture broth by converting pyruvate to l-tyrosine. Bioresource Technology, 2019, 292, 121897.	9.6	17
106	Systemic understanding of Lactococcus lactis response to acid stress using transcriptomics approaches. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1621-1629.	3.0	21
107	Enhanced acid-stress tolerance in Lactococcus lactis NZ9000 by overexpression of ABC transporters. Microbial Cell Factories, 2019, 18, 136.	4.0	39
108	Creating an in vivo bifunctional gene expression circuit through an aptamer-based regulatory mechanism for dynamic metabolic engineering in Bacillus subtilis. Metabolic Engineering, 2019, 55, 179-190.	7.0	29

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109	Synthetic N-terminal coding sequences for fine-tuning gene expression and metabolic engineering in Bacillus subtilis. Metabolic Engineering, 2019, 55, 131-141.	7.0	48
110	Stress tolerance phenotype of industrial yeast: industrial cases, cellular changes, and improvement strategies. Applied Microbiology and Biotechnology, 2019, 103, 6449-6462.	3.6	27
111	Secretory Expression Fine-Tuning and Directed Evolution of Diacetylchitobiose Deacetylase by Bacillus subtilis. Applied and Environmental Microbiology, 2019, 85, .	3.1	21
112	Microbiome analysis and random forest algorithm-aided identification of the diacetyl-producing microorganisms in the stacking fermentation stage of Maotai-flavor liquor production. Food Biotechnology, 2019, 33, 338-352.	1.5	3
113	Characteristic and correlation analysis of influent and energy consumption of wastewater treatment plants in Taihu Basin. Frontiers of Environmental Science and Engineering, 2019, 13, 1.	6.0	23
114	Enhancing subtilisin thermostability through a modified normalized B-factor analysis and loop-grafting strategy. Journal of Biological Chemistry, 2019, 294, 18398-18407.	3.4	26
115	Identification of NAD-Dependent Xylitol Dehydrogenase from Gluconobacter oxydans WSH-003. ACS Omega, 2019, 4, 15074-15080.	3.5	9
116	Efficient biosynthesis of 2-keto-D-gluconic acid by fed-batch culture of metabolically engineered Gluconobacter japonicus. Synthetic and Systems Biotechnology, 2019, 4, 134-141.	3.7	22
117	Modular pathway engineering of key precursor supply pathways for lacto-N-neotetraose production in Bacillus subtilis. Biotechnology for Biofuels, 2019, 12, 212.	6.2	32
118	Integrating enzyme evolution and high-throughput screening for efficient biosynthesis of <scp>l</scp>-DOPA. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1631-1641.	3.0	11
119	Engineering the Substrate Transport and Cofactor Regeneration Systems for Enhancing 2â€²-Fucosyllactose Synthesis in Bacillus subtilis. ACS Synthetic Biology, 2019, 8, 2418-2427.	3.8	54
120	Engineering enzymatic cascades for the efficient biotransformation of eugenol and taxifolin to silybin and isosilybin. Green Chemistry, 2019, 21, 1660-1667.	9.0	24
121	Food-grade expression of an iron-containing acid urease in Bacillus subtilis. Journal of Biotechnology, 2019, 293, 66-71.	3.8	10
122	Metabolic engineering of Corynebacterium glutamicum S9114 based on whole-genome sequencing for efficient N-acetylglucosamine synthesis. Synthetic and Systems Biotechnology, 2019, 4, 120-129.	3.7	26
123	Engineering a Bifunctional Phr60-Rap60-Spo0A Quorum-Sensing Molecular Switch for Dynamic Fine-Tuning of Menaquinone-7 Synthesis in Bacillus subtilis. ACS Synthetic Biology, 2019, 8, 1826-1837.	3.8	87
124	Secretory expression of the rat aryl sulfotransferases IV with improved catalytic efficiency by molecular engineering. 3 Biotech, 2019, 9, 246.	2.2	4
125	Systematic characterization of sorbose/sorbosone dehydrogenases and sorbosone dehydrogenases from Ketogulonicigenium vulgare WSH-001. Journal of Biotechnology, 2019, 301, 24-34.	3.8	14
126	An efficient expression tag library based on self-assembling amphipathic peptides. Microbial Cell Factories, 2019, 18, 91.	4.0	12

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127	Efficient bioconversion of epimedin C to icariin by a glycosidase from Aspergillus nidulans. Bioresource Technology, 2019, 289, 121612.	9.6	30
128	Effective biodegradation of chicken feather waste by co-cultivation of keratinase producing strains. Microbial Cell Factories, 2019, 18, 84.	4.0	63
129	Keratin Waste Recycling Based on Microbial Degradation: Mechanisms and Prospects. ACS Sustainable Chemistry and Engineering, 2019, 7, 9727-9736.	6.7	47
130	Microbial production of sialic acid and sialylated human milk oligosaccharides: Advances and perspectives. Biotechnology Advances, 2019, 37, 787-800.	11.7	48
131	Metabolic engineering of Escherichia coli BL21 (DE3) for de novo production of l-DOPA from d-glucose. Microbial Cell Factories, 2019, 18, 74.	4.0	59
132	Synthesis and antitumor activity of cyclic octapeptide, samoamide A, and its derivatives. Medicinal Chemistry Research, 2019, 28, 768-777.	2.4	2
133	Engineering of L-amino acid deaminases for the production of Î±-keto acids from L-amino acids. Bioengineered, 2019, 10, 43-51.	3.2	15
134	Insight into subtilisin E-S7 cleavage pattern based on crystal structure and hydrolysates peptide analysis. Biochemical and Biophysical Research Communications, 2019, 512, 623-628.	2.1	2
135	Pathway Engineering of Bacillus subtilis for Enhanced Nâ€Acetylneuraminic Acid Production via Wholeâ€Cell Biocatalysis. Biotechnology Journal, 2019, 14, e1800682.	3.5	9
136	Coupling feedback genetic circuits with growth phenotype for dynamic population control and intelligent bioproduction. Metabolic Engineering, 2019, 54, 109-116.	7.0	79
137	Molecular engineering of chitinase from Bacillus sp. DAU101 for enzymatic production of chitooligosaccharides. Enzyme and Microbial Technology, 2019, 124, 54-62.	3.2	39
138	Engineering strong and stress-responsive promoters in Bacillus subtilis by interlocking sigma factor binding motifs. Synthetic and Systems Biotechnology, 2019, 4, 197-203.	3.7	14
139	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
140	Synthetic repetitive extragenic palindromic (REP) sequence as an efficient mRNA stabilizer for protein production and metabolic engineering in prokaryotic cells. Biotechnology and Bioengineering, 2019, 116, 5-18.	3.3	15
141	Cover Image, Volume 116, Number 1, January 2019. Biotechnology and Bioengineering, 2019, 116, ii.	3.3	0
142	Piggery wastewater treatment by aerobic granular sludge: Granulation process and antibiotics and antibiotic-resistant bacteria removal and transport. Bioresource Technology, 2019, 273, 350-357.	9.6	69
143	Protein engineering to enhance keratinolytic protease activity and excretion in Escherichia coli and its scale-up fermentation for high extracellular yield. Enzyme and Microbial Technology, 2019, 121, 37-44.	3.2	19
144	An efficient thermostabilization strategy based on self-assembling amphipathic peptides for fusion tags. Enzyme and Microbial Technology, 2019, 121, 68-77.	3.2	4

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145	Synthetic Biology Toolbox and Chassis Development in Bacillus subtilis. Trends in Biotechnology, 2019, 37, 548-562.	9.3	81
146	Combinatorial pathway enzyme engineering and host engineering overcomes pyruvate overflow and enhances overproduction of N-acetylglucosamine in Bacillus subtilis. Microbial Cell Factories, 2019, 18, 1.	4.0	163
147	Synthetic redesign of central carbon and redox metabolism for high yield production of N-acetylglucosamine in Bacillus subtilis. Metabolic Engineering, 2019, 51, 59-69.	7.0	66
148	Gene cloning and expression of the l-asparaginase from Bacillus cereus BDRD-ST26 in Bacillus subtilis WB600. Journal of Bioscience and Bioengineering, 2019, 127, 418-424.	2.2	17
149	Reactivation and pilot-scale application of long-term storage denitrification biofilm based on flow cytometry. Water Research, 2019, 148, 368-377.	11.3	38
150	Engineering of multiple modular pathways for high-yield production of 5-aminolevulinic acid in Escherichia coli. Bioresource Technology, 2019, 274, 353-360.	9.6	51
151	Metabolic Engineering of Saccharomyces cerevisiae to Improve Glucan Biosynthesis. Journal of Microbiology and Biotechnology, 2019, 29, 758-764.	2.1	7
152	A microbialâ€“enzymatic strategy for producing chondroitin sulfate glycosaminoglycans. Biotechnology and Bioengineering, 2018, 115, 1561-1570.	3.3	33
153	Transcriptional regulator XYR1 activates the expression of cellobiose synthase to promote the production of cellulase from glucose. Biotechnology Letters, 2018, 40, 973-979.	2.2	1
154	Bio-Based Strategies for Producing Glycosaminoglycans and Their Oligosaccharides. Trends in Biotechnology, 2018, 36, 806-818.	9.3	47
155	Evolutionary engineering of industrial microorganisms-strategies and applications. Applied Microbiology and Biotechnology, 2018, 102, 4615-4627.	3.6	51
156	Recent advances in enhanced enzyme activity, thermostability and secretion by N-glycosylation regulation in yeast. Biotechnology Letters, 2018, 40, 847-854.	2.2	29
157	Regulation of Sensing, Transportation, and Catabolism of Nitrogen Sources in Saccharomyces cerevisiae. Microbiology and Molecular Biology Reviews, 2018, 82, .	6.6	117
158	Complete genome sequence and analysis of the industrial Saccharomyces cerevisiae strain N85 used in Chinese rice wine production. DNA Research, 2018, 25, 297-306.	3.4	8
159	Efficient expression of cyclodextrin glycosyltransferase from Geobacillus stearothermophilus in Escherichia coli by promoter engineering and downstream box evolution. Journal of Biotechnology, 2018, 266, 77-83.	3.8	12
160	One step synthesis of unnatural Î²-arylalanines using mutant phenylalanine aminomutase from Taxus chinensis with high Î²-regioselectivity. Enzyme and Microbial Technology, 2018, 114, 22-28.	3.2	6
161	Comparative genomics and transcriptomics analysisâ€guided metabolic engineering of Propionibacterium acidipropionici for improved propionic acid production. Biotechnology and Bioengineering, 2018, 115, 483-494.	3.3	29
162	Construction and Characterization of Broad-Spectrum Promoters for Synthetic Biology. ACS Synthetic Biology, 2018, 7, 287-291.	3.8	46

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163	Enhanced pyruvate production in Candida glabrata by carrier engineering. Biotechnology and Bioengineering, 2018, 115, 473-482.	3.3	22
164	Improved production of 2,5-furandicarboxylic acid by overexpression of 5-hydroxymethylfurfural oxidase and 5-hydroxymethylfurfural/furfural oxidoreductase in Raoultella ornithinolytica BF60. Bioresource Technology, 2018, 247, 1184-1188.	9.6	58
165	Biological production of l-malate: recent advances and future prospects. World Journal of Microbiology and Biotechnology, 2018, 34, 6.	3.6	16
166	Metabolic engineering of carbon overflow metabolism of Bacillus subtilis for improved N-acetyl-glucosamine production. Bioresource Technology, 2018, 250, 642-649.	9.6	44
167	High-yield secretory production of stable, active trypsin through engineering of the N-terminal peptide and self-degradation sites in Pichia pastoris. Bioresource Technology, 2018, 247, 81-87.	9.6	37
168	Characterization of a Lactobacillus brevis strain with potential oral probiotic properties. BMC Microbiology, 2018, 18, 221.	3.3	41
169	Improved acid-stress tolerance of Lactococcus lactis NZ9000 and Escherichia coli BL21 by overexpression of the anti-acid component recT. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 1091-1101.	3.0	10
170	Bioaugmentation with Mixed Hydrogen-Producing Acetogen Cultures Enhances Methane Production in Molasses Wastewater Treatment. Archaea, 2018, 2018, 1-10.	2.3	3
171	Metabolic engineering for the production of chitooligosaccharides: advances and perspectives. Emerging Topics in Life Sciences, 2018, 2, 377-388.	2.6	9
172	A new sRNAâ€mediated posttranscriptional regulation system for Bacillus subtilis. Biotechnology and Bioengineering, 2018, 115, 2986-2995.	3.3	14
173	CRISPRi allows optimal temporal control of N-acetylglucosamine bioproduction by a dynamic coordination of glucose and xylose metabolism in Bacillus subtilis. Metabolic Engineering, 2018, 49, 232-241.	7.0	83
174	Advances and prospects of Bacillus subtilis cellular factories: From rational design to industrial applications. Metabolic Engineering, 2018, 50, 109-121.	7.0	163
175	A new approach for efficient synthesis of phenyllactic acid from L-phenylalanine: Pathway design and cofactor engineering. Journal of Food Biochemistry, 2018, 42, e12584.	2.9	14
176	Improving bioconversion of eugenol to coniferyl alcohol by in situ eliminating harmful H2O2. Bioresource Technology, 2018, 267, 578-583.	9.6	13
177	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
178	Separation and purification of Î±-ketoglutarate and pyruvate from the fermentation broth of Yarrowia lipolytica. Bioprocess and Biosystems Engineering, 2018, 41, 1519-1527.	3.4	6
179	Current challenges facing one-step production of l-ascorbic acid. Biotechnology Advances, 2018, 36, 1882-1899.	11.7	49
180	Combinatorial synthetic pathway fineâ€tuning and comparative transcriptomics for metabolic engineering of Raoultella ornithinolytica BF60 to efficiently synthesize 2,5â€furandicarboxylic acid. Biotechnology and Bioengineering, 2018, 115, 2148-2155.	3.3	36

#	Article	IF	Citations
181	Combinatorial Evolution of DNA with RECODE. Methods in Molecular Biology, 2018, 1772, 205-212.	0.9	0
182	DNA Assembly with the DATEL Method. Methods in Molecular Biology, 2018, 1772, 421-428.	0.9	1
183	Engineering a Glucosamine-6-phosphate Responsive glmS Ribozyme Switch Enables Dynamic Control of Metabolic Flux in Bacillus subtilis for Overproduction of N-Acetylglucosamine. ACS Synthetic Biology, 2018, 7, 2423-2435.	3.8	49
184	Synergistic Rewiring of Carbon Metabolism and Redox Metabolism in Cytoplasm and Mitochondria of Aspergillus oryzae for Increased <scp>l</scp>-Malate Production. ACS Synthetic Biology, 2018, 7, 2139-2147.	3.8	32
185	Modular pathway engineering of key carbonâ€precursor supplyâ€pathways for improved Nâ€acetylneuraminic acid production in Bacillus subtilis. Biotechnology and Bioengineering, 2018, 115, 2217-2231.	3.3	35
186	Adaptive Evolution Relieves Nitrogen Catabolite Repression and Decreases Urea Accumulation in Cultures of the Chinese Rice Wine Yeast Strain Saccharomyces cerevisiae XZ-11. Journal of Agricultural and Food Chemistry, 2018, 66, 9061-9069.	5.2	35
187	Biocatalytic Production of Glucosamine from N-Acetylglucosamine by Diacetylchitobiose Deacetylase. Journal of Microbiology and Biotechnology, 2018, 28, 1850-1858.	2.1	12
188	Combinatorial Fine-tuning of Phospholipase DExpression by Bacillus subtilis WB600for the Production of Phosphatidylserine. Journal of Microbiology and Biotechnology, 2018, 28, 2046-2056.	2.1	11
189	Enhanced 2,5-Furandicarboxylic Acid (FDCA) Production in BF60 by Manipulation of the Key Genes in FDCA Biosynthesis Pathway. Journal of Microbiology and Biotechnology, 2018, 28, 1999-2008.	2.1	4
190	P gas , a Low-pH-Induced Promoter, as a Tool for Dynamic Control of Gene Expression for Metabolic Engineering of Aspergillus niger. Applied and Environmental Microbiology, 2017, 83, .	3.1	48
191	A high-throughput screening procedure for enhancing pyruvate production in Candida glabrata by random mutagenesis. Bioprocess and Biosystems Engineering, 2017, 40, 693-701.	3.4	27
192	Obtaining a Panel of Cascade Promoter-5â€²-UTR Complexes in Escherichia coli. ACS Synthetic Biology, 2017, 6, 1065-1075.	3.8	74
193	Characterization and application of endogenous phase-dependent promoters in Bacillus subtilis. Applied Microbiology and Biotechnology, 2017, 101, 4151-4161.	3.6	92
194	Engineering of an H₂O₂ autoâ€scavenging in vivo cascade for pinoresinol production. Biotechnology and Bioengineering, 2017, 114, 2066-2074.	3.3	13
195	Microbial response to environmental stresses: from fundamental mechanisms to practical applications. Applied Microbiology and Biotechnology, 2017, 101, 3991-4008.	3.6	117
196	Protein and metabolic engineering for the production of organic acids. Bioresource Technology, 2017, 239, 412-421.	9.6	57
197	Metabolic engineering of cofactor flavin adenine dinucleotide (FAD) synthesis and regeneration in Escherichia coli for production of Î±â€keto acids. Biotechnology and Bioengineering, 2017, 114, 1928-1936.	3.3	38
198	Rewiring the reductive tricarboxylic acid pathway and L-malate transport pathway of Aspergillus oryzae for overproduction of L-malate. Journal of Biotechnology, 2017, 253, 1-9.	3.8	74

#	Article	IF	Citations
199	Recent advances of molecular toolbox construction expand Pichia pastoris in synthetic biology applications. World Journal of Microbiology and Biotechnology, 2017, 33, 19.	3.6	36
200	Identification of a polysaccharide produced by the pyruvate overproducer Candida glabrata CCTCC M202019. Applied Microbiology and Biotechnology, 2017, 101, 4447-4458.	3.6	12
201	5-Aminolevulinic acid production from inexpensive glucose by engineering the C4 pathway in Escherichia coli. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 1127-1135.	3.0	40
202	Scarless assembly of unphosphorylated DNA fragments with a simplified DATEL method. Bioengineered, 2017, 8, 296-301.	3.2	3
203	Rational molecular engineering of<scp>l</scp>-amino acid deaminase for production of Î±-ketoisovaleric acid from<scp>l</scp>-valine by Escherichia coli. RSC Advances, 2017, 7, 6615-6621.	3.6	15
204	Mutant Potential Ubiquitination Sites in Dur3p Enhance the Urea and Ethyl Carbamate Reduction in a Model Rice Wine System. Journal of Agricultural and Food Chemistry, 2017, 65, 1641-1648.	5.2	12
205	UvrA expression of Lactococcus lactis NZ9000 improve multiple stresses tolerance and fermentation of lactic acid against salt stress. Journal of Food Science and Technology, 2017, 54, 639-649.	2.8	5
206	The application of powerful promoters to enhance gene expression in industrial microorganisms. World Journal of Microbiology and Biotechnology, 2017, 33, 23.	3.6	31
207	Metabolic engineering of Aspergillus oryzae for efficient production of l -malate directly from corn starch. Journal of Biotechnology, 2017, 262, 40-46.	3.8	19
208	Spatial organization of silybin biosynthesis in milk thistle [Silybum marianum (L.) Gaertn]. Plant Journal, 2017, 92, 995-1004.	5.7	41
209	Recent advances in production of 5-aminolevulinic acid using biological strategies. World Journal of Microbiology and Biotechnology, 2017, 33, 200.	3.6	46
210	Keratinolytic protease: a green biocatalyst for leather industry. Applied Microbiology and Biotechnology, 2017, 101, 7771-7779.	3.6	72
211	Combinatorial promoter engineering of glucokinase and phosphoglucoisomerase for improved N-acetylglucosamine production in Bacillus subtilis. Bioresource Technology, 2017, 245, 1093-1102.	9.6	32
212	Self-induction system for cellulase production by cellobiose produced from glucose in Rhizopus stolonifer. Scientific Reports, 2017, 7, 10161.	3.3	9
213	Rewiring the Glucose Transportation and Central Metabolic Pathways for Overproduction of Nâ€Acetylglucosamine in Bacillus subtilis. Biotechnology Journal, 2017, 12, 1700020.	3.5	37
214	A Bacillus paralicheniformis Iron-Containing Urease Reduces Urea Concentrations in Rice Wine. Applied and Environmental Microbiology, 2017, 83, .	3.1	22
215	Evaluation and application of constitutive promoters for cutinase production by Saccharomyces cerevisiae. Journal of Microbiology, 2017, 55, 538-544.	2.8	5
216	Metabolic Engineering of Raoultella ornithinolytica BF60 for Production of 2,5-Furandicarboxylic Acid from 5-Hydroxymethylfurfural. Applied and Environmental Microbiology, 2017, 83, .	3.1	43

#	Article	IF	Citations
217	Enhanced extracellular production of L-asparaginase from Bacillus subtilis 168 by B. subtilis WB600 through a combined strategy. Applied Microbiology and Biotechnology, 2017, 101, 1509-1520.	3.6	64
218	Metabolic engineering of Bacillus subtilis fueled by systems biology: Recent advances and future directions. Biotechnology Advances, 2017, 35, 20-30.	11.7	74
219	Comparative genomics and transcriptome analysis of Aspergillus niger and metabolic engineering for citrate production. Scientific Reports, 2017, 7, 41040.	3.3	43
220	Tuning the transcription and translation of L-amino acid deaminase in Escherichia coli improves Î±-ketoisocaproate production from L-leucine. PLoS ONE, 2017, 12, e0179229.	2.5	6
221	Production of Cellulases by Rhizopus stolonifer from Glucose-Containing Media Based on the Regulation of Transcriptional Regulator CRE. Journal of Microbiology and Biotechnology, 2017, 27, 514-523.	2.1	8
222	Metabolic engineering of acid resistance elements to improve acid resistance and propionic acid production of Propionibacterium jensenii. Biotechnology and Bioengineering, 2016, 113, 1294-1304.	3.3	37
223	Effects of three permeases on arginine utilization in Saccharomyces cerevisiae. Scientific Reports, 2016, 6, 20910.	3.3	15
224	Genome-wide mapping of nucleosome positions in Saccharomyces cerevisiae in response to different nitrogen conditions. Scientific Reports, 2016, 6, 33970.	3.3	9
225	Improving the active expression of transglutaminase in Streptomyces lividans by promoter engineering and codon optimization. BMC Biotechnology, 2016, 16, 75.	3.3	36
226	Pathway engineering of Propionibacterium jensenii for improved production of propionic acid. Scientific Reports, 2016, 6, 19963.	3.3	24
227	Enhancement of the catalytic efficiency and thermostability of <scp>S</scp>tenotrophomonas sp. keratinase <scp>KerSMD</scp> by domain exchange with <scp>KerSMF</scp>. Microbial Biotechnology, 2016, 9, 35-46.	4.2	44
228	DATEL: A Scarless and Sequence-Independent DNA Assembly Method Using Thermostable Exonucleases and Ligase. ACS Synthetic Biology, 2016, 5, 1028-1032.	3.8	26
229	Integrating error-prone PCR and DNA shuffling as an effective molecular evolution strategy for the production of Î±-ketoglutaric acid by<scp>l</scp>-amino acid deaminase. RSC Advances, 2016, 6, 46149-46158.	3.6	9
230	Biotechnological production of alpha-keto acids: Current status and perspectives. Bioresource Technology, 2016, 219, 716-724.	9.6	62
231	Rapid evolution of hyaluronan synthase to improve hyaluronan production and molecular mass in Bacillus subtilis. Biotechnology Letters, 2016, 38, 2103-2108.	2.2	22
232	Transporter engineering and enzyme evolution for pyruvate production from d/l-alanine with a whole-cell biocatalyst expressing l-amino acid deaminase from Proteus mirabilis. RSC Advances, 2016, 6, 82676-82684.	3.6	16
233	Characterization of mutants of a tyrosine ammonia-lyase from Rhodotorula glutinis. Applied Microbiology and Biotechnology, 2016, 100, 10443-10452.	3.6	29
234	Production of glucaric acid from myo-inositol in engineered Pichia pastoris. Enzyme and Microbial Technology, 2016, 91, 8-16.	3.2	40

#	Article	IF	Citations
235	A dynamic pathway analysis approach reveals a limiting futile cycle in N-acetylglucosamine overproducing Bacillus subtilis. Nature Communications, 2016, 7, 11933.	12.8	45
236	Improved catalytic efficiency, thermophilicity, anti-salt and detergent tolerance of keratinase KerSMD by partially truncation of PPC domain. Scientific Reports, 2016, 6, 27953.	3.3	25
237	Comparative genomics analysis of a series of Yarrowia lipolytica WSH-Z06 mutants with varied capacity for Î±-ketoglutarate production. Journal of Biotechnology, 2016, 239, 76-82.	3.8	15
238	The modification of Gat1p in nitrogen catabolite repression to enhance non-preferred nitrogen utilization in Saccharomyces cerevisiae. Scientific Reports, 2016, 6, 21603.	3.3	10
239	Characterization of a Bacillus amyloliquefaciens strain for reduction of citrulline accumulation during soy sauce fermentation. Biotechnology Letters, 2016, 38, 1723-1731.	2.2	21
240	Metabolic engineering for amino-, oligo-, and polysugar production in microbes. Applied Microbiology and Biotechnology, 2016, 100, 2523-2533.	3.6	15
241	Combinatorial Evolution of Enzymes and Synthetic Pathways Using One-Step PCR. ACS Synthetic Biology, 2016, 5, 259-268.	3.8	36
242	Integrated Optimization of the In Vivo Heme Biosynthesis Pathway and the In Vitro Iron Concentration for 5-Aminolevulinate Production. Applied Biochemistry and Biotechnology, 2016, 178, 1252-1262.	2.9	16
243	Production of specific-molecular-weight hyaluronan by metabolically engineered Bacillus subtilis 168. Metabolic Engineering, 2016, 35, 21-30.	7.0	109
244	Mutagenesis of conserved active site residues of dihydrolipoamide succinyltransferase enhances the accumulation of Î±-ketoglutarate in Yarrowia lipolytica. Applied Microbiology and Biotechnology, 2016, 100, 649-659.	3.6	12
245	Construction of a novel, stable, food-grade expression system by engineering the endogenous toxin-antitoxin system in Bacillus subtilis. Journal of Biotechnology, 2016, 219, 40-47.	3.8	34
246	Bile salt tolerance of Lactococcus lactis is enhanced by expression of bile salt hydrolase thereby producing less bile acid in the cells. Biotechnology Letters, 2016, 38, 659-665.	2.2	21
247	Efficient biosynthesis of polysaccharides chondroitin and heparosan by metabolically engineered Bacillus subtilis. Carbohydrate Polymers, 2016, 140, 424-432.	10.2	78
248	Short communication: Protection of lyophilized milk starter Lactobacillus casei Zhang by glutathione. Journal of Dairy Science, 2016, 99, 1846-1852.	3.4	12
249	Combination of phenylpyruvic acid (PPA) pathway engineering and molecular engineering of l-amino acid deaminase improves PPA production with an Escherichia coli whole-cell biocatalyst. Applied Microbiology and Biotechnology, 2016, 100, 2183-2191.	3.6	28
250	Two-Step Production of Phenylpyruvic Acid from L-Phenylalanine by Growing and Resting Cells of Engineered Escherichia coli: Process Optimization and Kinetics Modeling. PLoS ONE, 2016, 11, e0166457.	2.5	10
251	The N-Terminal Î±-Helix Domain of Pseudomonas aeruginosa Lipoxygenase Is Required for Its Soluble Expression in Escherichia coli but Not for Catalysis. Journal of Microbiology and Biotechnology, 2016, 26, 1701-1707.	2.1	10
252	Enhancing flavonoid production by systematically tuning the central metabolic pathways based on a CRISPR interference system in Escherichia coli. Scientific Reports, 2015, 5, 13477.	3.3	145

#	Article	IF	Citations
253	Effects of nitrogen catabolite repression-related amino acids on the flavour of rice wine. Journal of the Institute of Brewing, 2015, 121, 581-588.	2.3	8
254	An optimal glucose feeding strategy integrated with step-wise regulation of the dissolved oxygen level improves N-acetylglucosamine production in recombinant Bacillus subtilis. Bioresource Technology, 2015, 177, 387-392.	9.6	30
255	Optimization of the heme biosynthesis pathway for the production of 5-aminolevulinic acid in Escherichia coli. Scientific Reports, 2015, 5, 8584.	3.3	83
256	Comparative metabolomics analysis of the key metabolic nodes in propionic acid synthesis in Propionibacterium acidipropionici. Metabolomics, 2015, 11, 1106-1116.	3.0	29
257	Identification and application of keto acids transporters in Yarrowia lipolytica. Scientific Reports, 2015, 5, 8138.	3.3	28
258	One-step biosynthesis of Î±-ketoisocaproate from l-leucine by an Escherichia coli whole-cell biocatalyst expressing an l-amino acid deaminase from Proteus vulgaris. Scientific Reports, 2015, 5, 12614.	3.3	28
259	Production of phenylpyruvic acid from l-phenylalanine using an l-amino acid deaminase from Proteus mirabilis: comparison of enzymatic and whole-cell biotransformation approaches. Applied Microbiology and Biotechnology, 2015, 99, 8391-8402.	3.6	49
260	Significantly improving the yield of recombinant proteins in Bacillus subtilis by a novel powerful mutagenesis tool (ARTP): Alkaline Î±-amylase as a case study. Protein Expression and Purification, 2015, 114, 82-88.	1.3	44
261	Improved Production of Propionic Acid in Propionibacterium jensenii via Combinational Overexpression of Glycerol Dehydrogenase and Malate Dehydrogenase from Klebsiella pneumoniae. Applied and Environmental Microbiology, 2015, 81, 2256-2264.	3.1	45
262	Metabolic engineering in the biotechnological production of organic acids in the tricarboxylic acid cycle of microorganisms: Advances and prospects. Biotechnology Advances, 2015, 33, 830-841.	11.7	185
263	Enzymatic production of specifically distributed hyaluronan oligosaccharides. Carbohydrate Polymers, 2015, 129, 194-200.	10.2	31
264	Construction and development of a novel expression system of Streptomyces. Protein Expression and Purification, 2015, 113, 17-22.	1.3	19
265	Rational Design to Improve Protein Thermostability: Recent Advances and Prospects. ChemBioEng Reviews, 2015, 2, 87-94.	4.4	59
266	Insight into the substrate specificity of keratinase KerSMD from Stenotrophomonas maltophilia by site-directed mutagenesis studies in the S1 pocket. RSC Advances, 2015, 5, 74953-74960.	3.6	27
267	Overproduction of pro-transglutaminase from Streptomyces hygroscopicus in Yarrowia lipolytica and its biochemical characterization. BMC Biotechnology, 2015, 15, 75.	3.3	21
268	Improved propionic acid production with metabolically engineered Propionibacterium jensenii by an oxidoreduction potential-shift control strategy. Bioresource Technology, 2015, 175, 606-612.	9.6	26
269	The fungal laccaseâ€catalyzed oxidation of <scp>EGCG</scp> and the characterization of its products. Journal of the Science of Food and Agriculture, 2015, 95, 2686-2692.	3.5	21
270	Multivariate modular engineering of the protein secretory pathway for production of heterologous glucose oxidase in Pichia pastoris. Enzyme and Microbial Technology, 2015, 68, 33-42.	3.2	27

#	Article	IF	Citations
271	Identification of membrane proteins associated with phenylpropanoid tolerance and transport in Escherichia coli BL21. Journal of Proteomics, 2015, 113, 15-28.	2.4	32
272	Modular Optimization of Heterologous Pathways for De Novo Synthesis of (2S)-Naringenin in Escherichia coli. PLoS ONE, 2014, 9, e101492.	2.5	78
273	Enhanced production of L-sorbose from D-sorbitol by improving the mRNA abundance of sorbitol dehydrogenase in Gluconobacter oxydansWSH-003. Microbial Cell Factories, 2014, 13, 146.	4.0	38
274	Novel fermentation processes for manufacturing plant natural products. Current Opinion in Biotechnology, 2014, 25, 17-23.	6.6	52
275	Modular pathway engineering of Bacillus subtilis for improved N-acetylglucosamine production. Metabolic Engineering, 2014, 23, 42-52.	7.0	130
276	Comparative proteomic analysis of Saccharomyces cerevisiae under different nitrogen sources. Journal of Proteomics, 2014, 101, 102-112.	2.4	27
277	Spatial modulation of key pathway enzymes by DNA-guided scaffold system and respiration chain engineering for improved N-acetylglucosamine production by Bacillus subtilis. Metabolic Engineering, 2014, 24, 61-69.	7.0	77
278	Recent advances in discovery, heterologous expression, and molecular engineering of cyclodextrin glycosyltransferase for versatile applications. Biotechnology Advances, 2014, 32, 415-428.	11.7	64
279	Improved propionic acid production from glycerol with metabolically engineered Propionibacterium jensenii by integrating fed-batch culture with a pH-shift control strategy. Bioresource Technology, 2014, 152, 519-525.	9.6	39
280	Bioconversion of l-glutamic acid to Î±-ketoglutaric acid by an immobilized whole-cell biocatalyst expressing l-amino acid deaminase from Proteus mirabilis. Journal of Biotechnology, 2014, 169, 112-120.	3.8	42
281	Roles of tryptophan residue and disulfide bond in the variable lid region of oxidized polyvinyl alcohol hydrolase. Biochemical and Biophysical Research Communications, 2014, 452, 509-514.	2.1	3
282	Improved production of Î±-ketoglutaric acid (Î±-KG) by a Bacillus subtilis whole-cell biocatalyst via engineering of l-amino acid deaminase and deletion of the Î±-KG utilization pathway. Journal of Biotechnology, 2014, 187, 71-77.	3.8	30
283	Systems metabolic engineering of microorganisms to achieve large-scale production of flavonoid scaffolds. Journal of Biotechnology, 2014, 188, 72-80.	3.8	39
284	Fine-Tuning of the Fatty Acid Pathway by Synthetic Antisense RNA for Enhanced (2 S)-Naringenin Production from <scp>l</scp> -Tyrosine in Escherichia coli. Applied and Environmental Microbiology, 2014, 80, 7283-7292.	3.1	67
285	Stepwise metabolic engineering of Gluconobacter oxydans WSH-003 for the direct production of 2-keto-l-gulonic acid from d-sorbitol. Metabolic Engineering, 2014, 24, 30-37.	7.0	68
286	Efficient transformation of Rhizopus delemar by electroporation of germinated spores. Journal of Microbiological Methods, 2014, 103, 58-63.	1.6	9
287	High-yield novel leech hyaluronidase to expedite the preparation of specific hyaluronan oligomers. Scientific Reports, 2014, 4, 4471.	3.3	49
288	One-Step Biosynthesis of Î±-Keto-Î³-Methylthiobutyric Acid from L-Methionine by an Escherichia coli Whole-Cell Biocatalyst Expressing an Engineered L-Amino Acid Deaminase from Proteus vulgaris. PLoS ONE, 2014, 9, e114291.	2.5	25

#	Article	IF	Citations
289	Enhanced thermal stability and specific activity of Pseudomonas aeruginosa lipoxygenase by fusing with self-assembling amphipathic peptides. Applied Microbiology and Biotechnology, 2013, 97, 9419-9427.	3.6	35
290	Pathway engineering of Bacillus subtilis for microbial production of N-acetylglucosamine. Metabolic Engineering, 2013, 19, 107-115.	7.0	76
291	New insight into the catalytic properties of bile salt hydrolase. Journal of Molecular Catalysis B: Enzymatic, 2013, 96, 46-51.	1.8	19
292	High-level extracellular production of alkaline polygalacturonate lyase in Bacillus subtilis with optimized regulatory elements. Bioresource Technology, 2013, 146, 543-548.	9.6	51
293	Efficient production of l-sorbose from d-sorbitol by whole cell immobilization of Gluconobacter oxydans WSH-003. Biochemical Engineering Journal, 2013, 77, 171-176.	3.6	25
294	Screening and characterization of an aerobic nitrifying-denitrifying bacterium from activated sludge. Biotechnology and Bioprocess Engineering, 2012, 17, 353-360.	2.6	12
295	Enzymatic transformation of 2-O-Î±-D-glucopyranosyl-L-ascorbic acid by Î±-cyclodextrin glucanotransferase from recombinant Escherichia coli. Biotechnology and Bioprocess Engineering, 2011, 16, 107-113.	2.6	24
296	Comparative study of L-phenylalanine production in the growing and stationary phases during high cell density cultivation of an auxotrophic Escherichia coli. Biotechnology and Bioprocess Engineering, 2011, 16, 916-922.	2.6	4
297	Influence of aeration intensity on the performance of A/O-type sequencing batch MBR system treating azo dye wastewater. Frontiers of Environmental Science and Engineering in China, 2011, 5, 615-622.	0.8	9
298	Microbial production of hyaluronic acid: current state, challenges, and perspectives. Microbial Cell Factories, 2011, 10, 99.	4.0	288
299	Modeling and optimization of cutinase production by recombinant Escherichia coli based on statistical experimental designs. Korean Journal of Chemical Engineering, 2010, 27, 1233-1238.	2.7	6
300	Optimization of sodium dedecyl sulfate (SDS) addition coupled with adenosine triphosphate (ATP) regeneration for glutathione overproduction in high density cultivation of Candida utilis. Enzyme and Microbial Technology, 2010, 46, 526-533.	3.2	11
301	Statistical model based optimization of spore production by solid-state culture ofBeauveria bassiana. Biocontrol Science and Technology, 2010, 20, 1087-1095.	1.3	3
302	Enhanced Hyaluronic Acid Production ofStreptococcus zooepidemicusby Shifting Dissolved Oxygen Level Based on Broth Rheology and Oxygen Mass Transfer Characteristics. Food Biotechnology, 2009, 23, 148-161.	1.5	0
303	Analysis of the chemical composition of cotton seed coat by Fourier-transform infrared (FT-IR) microspectroscopy. Cellulose, 2009, 16, 1099-1107.	4.9	32
304	Statistical modeling and optimization for enhanced hyaluronic acid production by batch culture of Sreptococcus zooepidemicus via the supplement of uracil. Frontiers of Chemical Engineering in China, 2009, 3, 351-356.	0.6	2
305	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
306	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

#	Article	IF	Citations
307	Effect of cutinase on the degradation of cotton seed coat in bio-scouring. Biotechnology and Bioprocess Engineering, 2009, 14, 354-360.	2.6	14
308	Influence of culture modes on the microbial production of hyaluronic acid by Streptococcus zooepidemicus. Biotechnology and Bioprocess Engineering, 2008, 13, 269-273.	2.6	14
309	Influence of hyaluronidase addition on the production of hyaluronic acid by batch culture of Streptococcuszooepidemicus. Food Chemistry, 2008, 110, 923-926.	8.2	18
310	Effect of microbial transglutaminase on dyeing properties of natural dyes on wool fabric. Biocatalysis and Biotransformation, 2008, 26, 399-404.	2.0	9
311	Effects and statistical optimization of fermentation conditions on growth and poly (vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Biotransformation, 2008, 26, 430-436.	2.0	2
312	Preparation and characterization of hyaluronan/chitosan scaffold cross- linked by 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide. Polymer International, 2007, 56, 738-745.	3.1	20
313	Production of polyvinyl alcohol-degrading enzyme withJanthinobacterium sp. and its application in cotton fabric desizing. Biotechnology Journal, 2007, 2, 752-758.	3.5	15
314	Application of response surface methodology in medium optimization for spore production of Coniothyrium minitans in solid-state fermentation. World Journal of Microbiology and Biotechnology, 2005, 21, 593-599.	3.6	43
315	Effects of biosurfactants produced by Candida antarctica on the biodegradation of petroleum compounds. World Journal of Microbiology and Biotechnology, 2004, 20, 25-29.	3.6	33
316	Isolation and Culture Characterization of a New Polyvinyl Alcohol-Degrading Strain: Penicillium sp. WSH02-21. World Journal of Microbiology and Biotechnology, 2004, 20, 587-591.	3.6	40
317	Optimization of Cultivation Conditions for the Production of Î³-Cyclodextrin Glucanotransferase byBacillus macorous. Food Biotechnology, 2004, 18, 251-264.	1.5	19
318	Effects of dissolved oxygen concentration and DO-stat feeding strategy on CoQ10production with Rhizobium radiobacter. World Journal of Microbiology and Biotechnology, 2003, 19, 925-928.	3.6	19
319	Title is missing!. World Journal of Microbiology and Biotechnology, 2003, 19, 433-437.	3.6	18
320	Title is missing!. World Journal of Microbiology and Biotechnology, 2002, 18, 767-771.	3.6	13