Jingwen Zhou

List of Publications by Year in descending order

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225 papers	8,129 citations	38742 50 h-index	74163 75 g-index
247 all docs	247 docs citations	247 times ranked	7155 citing authors

#	Article	IF	Citations
1	Identification of microRNA transcriptome throughout the lifespan of yak (Bos grunniens) corpus luteum. Animal Biotechnology, 2023, 34, 143-155.	1.5	2
2	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
3	Intracellular biosensor-based dynamic regulation to manipulate gene expression at the spatiotemporal level. Critical Reviews in Biotechnology, 2023, 43, 646-663.	9.0	6
4	Dehydrogenases of acetic acid bacteria. Biotechnology Advances, 2022, 54, 107863.	11.7	29
5	Production of meat alternatives using live cells, cultures and plant proteins. Current Opinion in Food Science, 2022, 43, 43-52.	8.0	41
6	Improving (2S)-naringenin production by exploring native precursor pathways and screening higher-active chalcone synthases from plants rich in flavonoids. Enzyme and Microbial Technology, 2022, 156, 109991.	3.2	7
7	The microbiome of Chinese rice wine (Huangjiu). Current Research in Food Science, 2022, 5, 325-335.	5.8	24
8	Molecular biology: Fantastic toolkits to improve knowledge and application of acetic acid bacteria. Biotechnology Advances, 2022, 58, 107911.	11.7	10
9	Enhancing Squalene Production in Saccharomyces cerevisiae by Metabolic Engineering and Random Mutagenesis. Frontiers in Chemical Engineering, 2022, 3, .	2.7	7
10	Recent advances in the development of Aspergillus for protein production. Bioresource Technology, 2022, 348, 126768.	9.6	19
11	An effective cytokine combination for ex vivo expansion of porcine muscle stem cells. Food Bioscience, 2022, 46, 101571.	4.4	14
12	Application Prospect of Protein-Glutaminase in the Development of Plant-Based Protein Foods. Foods, 2022, 11, 440.	4.3	15
13	Effects of fortified starter culture containing Saccharomyces cerevisiae and Lactobacillus fermentum on microbial community structure and ethyl carbamate. Food Control, 2022, 137, 108890.	5.5	8
14	Correlation between the microbial community and ethyl carbamate generated during Huzhou rice wine fermentation. Food Research International, 2022, 154, 111001.	6.2	12
15	Gene co-expression network analysis reveals the positive impact of endocytosis and mitochondria-related genes over nitrogen metabolism in Saccharomyces cerevisiae. Gene, 2022, 821, 146267.	2.2	6
16	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
17	Enhancing extracellular production of lipoxygenase in Escherichia coli by signal peptides and autolysis system. Microbial Cell Factories, 2022, 21, 42.	4.0	8
18	O-Acetyl-L-homoserine production enhanced by pathway strengthening and acetate supplementation in Corynebacterium glutamicum. , 2022, 15, 27.		8

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19	IGF-1 Signaling Regulates Mitochondrial Remodeling during Myogenic Differentiation. Nutrients, 2022, 14, 1249.	4.1	12
20	Combined evolutionary and metabolic engineering improve 2-keto-L-gulonic acid production in Gluconobacter oxydans WSH-004. Bioresource Technology, 2022, 354, 127107.	9.6	8
21	Characterization of a sorbose oxidase involved in the biosynthesis of 2-keto-L-gulonic acid from Gluconobacter oxydans WSH-004. Process Biochemistry, 2022, 116, 1-7.	3.7	5
22	Enhanced production of l-sorbose by systematic engineering of dehydrogenases in Gluconobacter oxydans. Synthetic and Systems Biotechnology, 2022, 7, 730-737.	3.7	8
23	Expediting the growth of plant-based meat alternatives by microfluidic technology: identification of the opportunities and challenges. Current Opinion in Biotechnology, 2022, 75, 102720.	6.6	4
24	Bioprocessing technology of muscle stem cells: implications for cultured meat. Trends in Biotechnology, 2022, 40, 721-734.	9.3	40
25	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
26	Influence of different kinds of fatty acids on the behavior, structure and digestibility of high amylose maize starchâ€“fatty acid complexes. Journal of the Science of Food and Agriculture, 2022, 102, 5837-5848.	3.5	6
27	Improved Productivity of Streptomyces mobaraensis Transglutaminase by Regulating Zymogen Activation. Frontiers in Bioengineering and Biotechnology, 2022, 10, 878795.	4.1	1
28	Elimination of ethyl carbamate in fermented foods. Food Bioscience, 2022, 47, 101725.	4.4	5
29	Active secretion of a thermostable transglutaminase variant in Escherichia coli. Microbial Cell Factories, 2022, 21, 74.	4.0	3
30	Bioproduction of quercetin using recombinant thermostable glycosidases from Dictyoglomus thermophilum. Bioresources and Bioprocessing, 2022, 9, .	4.2	5
31	Chromatin Regulators Ahc1p and Eaf3p Positively Influence Nitrogen Metabolism in Saccharomyces cerevisiae. Frontiers in Microbiology, 2022, 13, .	3.5	2
32	Enhanced cobalamin biosynthesis in Ensifer adhaerens by regulation of key genes with gradient promoters. Synthetic and Systems Biotechnology, 2022, 7, 941-948.	3.7	4
33	Natural flavonoid luteolin promotes the differentiation of porcine myoblasts through activation of PI3K/Akt/mTOR signaling. Food Bioscience, 2022, 47, 101766.	4.4	7
34	Efficient Synthesis of Phycocyanobilin by Combinatorial Metabolic Engineering in Escherichia coli. ACS Synthetic Biology, 2022, 11, 2089-2097.	3.8	15
35	Metabolic engineering of microorganisms for the production of carotenoids, flavonoids, and functional polysaccharides. , 2022, , 281-306.		0
36	Glycosylation Modification Enhances (2S)-Naringenin Production in Saccharomyces cerevisiae. ACS Synthetic Biology, 2022, 11, 2339-2347.	3.8	16

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37	Microbial cell factories for the production of flavonoidsâ€“barriers and opportunities. Bioresource Technology, 2022, 360, 127538.	9.6	17
38	Engineering caveolin-mediated endocytosis in Saccharomyces cerevisiae. Synthetic and Systems Biotechnology, 2022, 7, 1056-1063.	3.7	2
39	Current progress and prospects of enzyme technologies in future foods. Systems Microbiology and Biomanufacturing, 2021, 1, 24-32.	2.9	16
40	Recent Advances in the Microbial Synthesis of Hemoglobin. Trends in Biotechnology, 2021, 39, 286-297.	9.3	36
41	Metabolic pathway optimization through fusion with self-assembling amphipathic peptides. Process Biochemistry, 2021, 100, 117-123.	3.7	2
42	Hydrodynamics and mass transfer in spinner flasks: Implications for large scale cultured meat production. Biochemical Engineering Journal, 2021, 167, 107864.	3.6	10
43	Effects of metabolic pathway gene copy numbers on the biosynthesis of (2S)-naringenin in Saccharomyces cerevisiae. Journal of Biotechnology, 2021, 325, 119-127.	3.8	41
44	Transcriptome Analysis of Gluconobacter oxydans WSH-003 Exposed to Elevated 2-Keto-L-Gulonic Acid Reveals the Responses to Osmotic and Oxidative Stress. Applied Biochemistry and Biotechnology, 2021, 193, 128-141.	2.9	9
45	Repurposing the Endogenous Type I-E CRISPR/Cas System for Gene Repression in Gluconobacter oxydans WSH-003. ACS Synthetic Biology, 2021, 10, 84-93.	3.8	18
46	Rational Design of the N-Terminal Coding Sequence for Regulating Enzyme Expression in Bacillus subtilis. ACS Synthetic Biology, 2021, 10, 265-276.	3.8	14
47	A High-Efficiency Artificial Synthetic Pathway for 5-Aminovalerate Production From Biobased L-Lysine in Escherichia coli. Frontiers in Bioengineering and Biotechnology, 2021, 9, 633028.	4.1	9
48	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
49	Comparative analysis of the chemical and biochemical synthesis of keto acids. Biotechnology Advances, 2021, 47, 107706.	11.7	29
50	Meikin synergizes with shugoshin to protect cohesin Rec8 during meiosis I. Genes and Development, 2021, 35, 692-697.	5.9	9
51	Improving bioconversion of eugenol to coniferyl alcohol by constitutive promoters in Escherichia coli. Biochemical Engineering Journal, 2021, 168, 107953.	3.6	7
52	Identification of Gradient Promoters of Gluconobacter oxydans and Their Applications in the Biosynthesis of 2-Keto-L-Gulonic Acid. Frontiers in Bioengineering and Biotechnology, 2021, 9, 673844.	4.1	12
53	Systematically Engineered Fatty Acid Catabolite Pathway for the Production of (2S)-Naringenin in Saccharomyces cerevisiae. ACS Synthetic Biology, 2021, 10, 1166-1175.	3.8	28
54	Structure-based engineering of substrate specificity for pinoresinol-lariciresinol reductases. Nature Communications, 2021, 12, 2828.	12.8	16

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55	Optimum chalcone synthase for flavonoid biosynthesis in microorganisms. Critical Reviews in Biotechnology, 2021, 41, 1194-1208.	9.0	10
56	Optimization of CRISPRâ€Cas9 through promoter replacement and efficient production of Lâ€homoserine in Corynebacterium glutamicum. Biotechnology Journal, 2021, 16, e2100093.	3.5	11
57	Efficient Production of Orientin and Vitexin from Luteolin and Apigenin Using Coupled Catalysis of Glycosyltransferase and Sucrose Synthase. Journal of Agricultural and Food Chemistry, 2021, 69, 6578-6587.	5.2	21
58	Trends and ideas in technology, regulation and public acceptance of cultured meat. Future Foods, 2021, 3, 100032.	5.4	57
59	Recent Advances in the Physicochemical Properties and Biotechnological Application of Vitreoscilla Hemoglobin. Microorganisms, 2021, 9, 1455.	3.6	13
60	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
61	Rapid Enabling of Gluconobacter oxydans Resistance to High D-Sorbitol Concentration and High Temperature by Microdroplet-Aided Adaptive Evolution. Frontiers in Bioengineering and Biotechnology, 2021, 9, 731247.	4.1	3
62	Simultaneous transformation of five vectors in Gluconobacter oxydans. Plasmid, 2021, 117, 102588.	1.4	8
63	A SacB-based system for diverse and multiple genome editing in Gluconobacter oxydans. Journal of Biotechnology, 2021, 338, 31-39.	3.8	5
64	Applied evolution: Dual dynamic regulations-based approaches in engineering intracellular malonyl-CoA availability. Metabolic Engineering, 2021, 67, 403-416.	7.0	19
65	Efficient Production of Scleroglucan by Sclerotium rolfsii and Insights Into Molecular Weight Modification by High-Pressure Homogenization. Frontiers in Bioengineering and Biotechnology, 2021, 9, 748213.	4.1	5
66	Visualized Multigene Editing System for Aspergillus niger. ACS Synthetic Biology, 2021, 10, 2607-2616.	3.8	11
67	Development of a growth coupled and multi-layered dynamic regulation network balancing malonyl-CoA node to enhance (2S)-naringenin biosynthesis in Escherichia coli. Metabolic Engineering, 2021, 67, 41-52.	7.0	63
68	Growth-coupled evolution and high-throughput screening assisted rapid enhancement for amylase-producing Bacillus licheniformis. Bioresource Technology, 2021, 337, 125467.	9.6	27
69	Combinatorial engineering for efficient production of protein-glutaminase in Bacillus subtilis. Enzyme and Microbial Technology, 2021, 150, 109863.	3.2	15
70	Protein-glutaminase: Research progress and prospect in food manufacturing. Food Bioscience, 2021, 43, 101314.	4.4	12
71	Metabolism and strategies for enhanced supply of acetyl-CoA in Saccharomyces cerevisiae. Bioresource Technology, 2021, 342, 125978.	9.6	35
72	A Golden-Gate Based Cloning Toolkit to Build Violacein Pathway Libraries in Yarrowia lipolytica. ACS Synthetic Biology, 2021, 10, 115-124.	3.8	28

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73	Enhancing Flavan-3-ol Biosynthesis in Saccharomyces cerevisiae. Journal of Agricultural and Food Chemistry, 2021, 69, 12763-12772.	5.2	19
74	Efficient, Flexible Autoinduction Expression Systems with Broad Initiation in Bacillus subtilis. ACS Synthetic Biology, 2021, 10, 3084-3093.	3.8	11
75	Expression and characterization of a raw-starch glucoamylase from Aspergillus fumigatus. Process Biochemistry, 2021, 111, 97-104.	3.7	9
76	Significantly Improving the Thermostability and Catalytic Efficiency of Streptomyces mobaraenesis Transglutaminase through Combined Rational Design. Journal of Agricultural and Food Chemistry, 2021, 69, 15268-15278.	5.2	31
77	Editorial: Recent Advances in Application of Synthetic Biology for Production of Bioactive Compounds. Frontiers in Bioengineering and Biotechnology, 2021, 9, 819475.	4.1	2
78	Enhancement of pyruvic acid production in Candida glabrata by engineering hypoxia-inducible factor 1. Bioresource Technology, 2020, 295, 122248.	9.6	18
79	Efficient Biosynthesis of (2S)-Naringenin from p-Coumaric Acid in Saccharomyces cerevisiae. Journal of Agricultural and Food Chemistry, 2020, 68, 1015-1021.	5.2	69
80	A conceptual air-lift reactor design for large scale animal cell cultivation in the context of in vitro meat production. Chemical Engineering Science, 2020, 211, 115269.	3.8	56
81	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
82	Developing Aspergillus niger as a cell factory for food enzyme production. Biotechnology Advances, 2020, 44, 107630.	11.7	64
83	Identification and characterization of three flavonoid 3-O-glycosyltransferases from Epimedium koreanum Nakai. Biochemical Engineering Journal, 2020, 163, 107759.	3.6	15
84	Production of 2-keto-L-gulonic acid by metabolically engineered Escherichia coli. Bioresource Technology, 2020, 318, 124069.	9.6	18
85	Fluorescence-activated droplet sorting for enhanced pyruvic acid accumulation by Candida glabrata. Bioresource Technology, 2020, 318, 124258.	9.6	10
86	Enhanced Biosynthesis of Dihydromyricetin in Saccharomyces cerevisiae by Coexpression of Multiple Hydroxylases. Journal of Agricultural and Food Chemistry, 2020, 68, 14221-14229.	5.2	26
87	Efficient Biosynthesis of (2S)-Eriodictyol from (2S)-Naringenin in Saccharomyces cerevisiae through a Combination of Promoter Adjustment and Directed Evolution. ACS Synthetic Biology, 2020, 9, 3288-3297.	3.8	35
88	Active tyrosine phenol-lyase aggregates induced by terminally attached functional peptides in Escherichia coli. Journal of Industrial Microbiology and Biotechnology, 2020, 47, 563-571.	3.0	6
89	Enhancing isoprenoid synthesis in Yarrowia lipolytica by expressing the isopentenol utilization pathway and modulating intracellular hydrophobicity. Metabolic Engineering, 2020, 61, 344-351.	7.0	75
90	Enhancement of 2-phenylethanol production by a wild-type Wickerhamomyces anomalus strain isolated from rice wine. Bioresource Technology, 2020, 318, 124257.	9.6	20

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91	Coupling metabolic addiction with negative autoregulation to improve strain stability and pathway yield. Metabolic Engineering, 2020, 61, 79-88.	7.0	70
92	Promoter-Library-Based Pathway Optimization for Efficient (2S)-Naringenin Production from p-Coumaric Acid in Saccharomyces cerevisiae. Journal of Agricultural and Food Chemistry, 2020, 68, 6884-6891.	5.2	75
93	Identification of an urethanase from Lysinibacillus fusiformis for degrading ethyl carbamate in fermented foods. Food Bioscience, 2020, 36, 100666.	4.4	14
94	Efficient production of L-homoserine in Corynebacterium glutamicum ATCC 13032 by redistribution of metabolic flux. Biochemical Engineering Journal, 2020, 161, 107665.	3.6	18
95	Obtaining a series of native gradient promoter-5â€²-UTR sequences in Corynebacterium glutamicum ATCC 13032. Microbial Cell Factories, 2020, 19, 120.	4.0	19
96	Toward fine-tuned metabolic networks in industrial microorganisms. Synthetic and Systems Biotechnology, 2020, 5, 81-91.	3.7	9
97	High Throughput Screening Platform for a FAD-Dependent L-Sorbose Dehydrogenase. Frontiers in Bioengineering and Biotechnology, 2020, 8, 194.	4.1	10
98	Metal chalcogenides for potassium storage. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 437-465.	17.3	154
99	Construction of a heat-inducible Escherichia coli strain for efficient de novo biosynthesis of l-tyrosine. Process Biochemistry, 2020, 92, 85-92.	3.7	23
100	Site-directed mutagenesis to improve the thermostability of tyrosine phenol-lyase. Journal of Biotechnology, 2020, 310, 6-12.	3.8	4
101	Challenges and possibilities for bio-manufacturing cultured meat. Trends in Food Science and Technology, 2020, 97, 443-450.	15.1	145
102	High-Throughput Screening Technology in Industrial Biotechnology. Trends in Biotechnology, 2020, 38, 888-906.	9.3	166
103	Regulating the biosynthesis of pyridoxal 5'-phosphate with riboswitch to enhance L-DOPA production by Escherichia coli whole-cell biotransformation. Journal of Biotechnology, 2020, 321, 68-77.	3.8	6
104	Flexible metalâ€“gas batteries: a potential option for next-generation power accessories for wearable electronics. Energy and Environmental Science, 2020, 13, 1933-1970.	30.8	121
105	Fermentation and Metabolic Pathway Optimization to De Novo Synthesize (2S)-Naringenin in Escherichia coli. Journal of Microbiology and Biotechnology, 2020, 30, 1574-1582.	2.1	31
106	Bambooâ€Like Nitrogenâ€Doped Carbon Nanotube Forests as Durable Metalâ€Free Catalysts for Selfâ€Powered Flexible Liâ€“CO₂ Batteries. Advanced Materials, 2019, 31, e1903852.	21.0	141
107	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
108	Stress tolerance phenotype of industrial yeast: industrial cases, cellular changes, and improvement strategies. Applied Microbiology and Biotechnology, 2019, 103, 6449-6462.	3.6	27

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109	Optimizing Oleaginous Yeast Cell Factories for Flavonoids and Hydroxylated Flavonoids Biosynthesis. ACS Synthetic Biology, 2019, 8, 2514-2523.	3.8	125
110	Dendriteâ€Free Flexible Fiberâ€Shaped Zn Battery with Long Cycle Life in Water and Air. Advanced Energy Materials, 2019, 9, 1901434.	19.5	87
111	Production of L-tyrosine using tyrosine phenol-lyase by whole cell biotransformation approach. Enzyme and Microbial Technology, 2019, 131, 109430.	3.2	11
112	Zn Batteries: Dendriteâ€Free Flexible Fiberâ€Shaped Zn Battery with Long Cycle Life in Water and Air (Adv.) Tj ETQq0 0 0 rgBT /Overlock	19.5	2
113	Liâ€“CO₂ Batteries: Bambooâ€Like Nitrogenâ€Doped Carbon Nanotube Forests as Durable Metalâ€Free Catalysts for Selfâ€Powered Flexible Liâ€“CO₂ Batteries (Adv. Mater. 39/2019). Advanced Materials, 2019, 31, 1970279.	21.0	24
114	Identification of NAD-Dependent Xylitol Dehydrogenase from Gluconobacter oxydans WSH-003. ACS Omega, 2019, 4, 15074-15080.	3.5	9
115	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
116	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
117	Enhancing scleroglucan production by Sclerotium rolfsii WSH-G01 through a pH-shift strategy based on kinetic analysis. Bioresource Technology, 2019, 293, 122098.	9.6	18
118	Engineering enzymatic cascades for the efficient biotransformation of eugenol and taxifolin to silybin and isosilybin. Green Chemistry, 2019, 21, 1660-1667.	9.0	24
119	Combining 26s rDNA and the Cre-loxP System for Iterative Gene Integration and Efficient Marker Curation in Yarrowia lipolytica. ACS Synthetic Biology, 2019, 8, 568-576.	3.8	89
120	Highly Surfaceâ€Wrinkled and Nâ€Doped CNTs Anchored on Metal Wire: A Novel Fiberâ€Shaped Cathode toward Highâ€Performance Flexible Liâ€“CO₂ Batteries. Advanced Functional Materials, 2019, 29, 1808117.	14.9	75
121	Fineâ€tuning the (2S)â€naringenin synthetic pathway using an iterative highâ€throughput balancing strategy. Biotechnology and Bioengineering, 2019, 116, 1392-1404.	3.3	76
122	Systematic characterization of sorbose/sorbosone dehydrogenases and sorbosone dehydrogenases from Ketogulonicigenium vulgare WSH-001. Journal of Biotechnology, 2019, 301, 24-34.	3.8	14
123	An efficient expression tag library based on self-assembling amphipathic peptides. Microbial Cell Factories, 2019, 18, 91.	4.0	12
124	Efficient bioconversion of epimedin C to icariin by a glycosidase from Aspergillus nidulans. Bioresource Technology, 2019, 289, 121612.	9.6	30
125	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
126	Biochemical engineering in China. Reviews in Chemical Engineering, 2019, 35, 929-993.	4.4	1

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127	Enhanced Pyruvate Production in Candida glabrata by Engineering ATP Futile Cycle System. ACS Synthetic Biology, 2019, 8, 787-795.	3.8	26
128	Coupling feedback genetic circuits with growth phenotype for dynamic population control and intelligent bioproduction. Metabolic Engineering, 2019, 54, 109-116.	7.0	79
129	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
130	A Quasiâ€Solidâ€State Flexible Fiberâ€Shaped Liâ€“CO₂ Battery with Low Overpotential and High Energy Efficiency. Advanced Materials, 2019, 31, e1804439.	21.0	151
131	Accumulation of Citrulline by Microbial Arginine Metabolism during Alcoholic Fermentation of Soy Sauce. Journal of Agricultural and Food Chemistry, 2018, 66, 2108-2113.	5.2	25
132	Metabolic engineering of Escherichia coli for producing adipic acid through the reverse adipate-degradation pathway. Metabolic Engineering, 2018, 47, 254-262.	7.0	105
133	Regulation of Sensing, Transportation, and Catabolism of Nitrogen Sources in Saccharomyces cerevisiae. Microbiology and Molecular Biology Reviews, 2018, 82, .	6.6	117
134	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
135	Porous MoS₂/Carbon Spheres Anchored on 3D Interconnected Multiwall Carbon Nanotube Networks forÂUltrafast Na Storage. Advanced Energy Materials, 2018, 8, 1702909.	19.5	190
136	Interfacial Engineered Polyaniline/Sulfur-Doped TiO₂ Nanotube Arrays for Ultralong Cycle Lifetime Fiber-Shaped, Solid-State Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 18390-18399.	8.0	56
137	Enhanced pyruvate production in Candida glabrata by carrier engineering. Biotechnology and Bioengineering, 2018, 115, 473-482.	3.3	22
138	Enhanced avermectin production by Streptomyces avermitilis ATCC 31267 using high-throughput screening aided by fluorescence-activated cell sorting. Applied Microbiology and Biotechnology, 2018, 102, 703-712.	3.6	30
139	Engineering Escherichia coli Coâ€Cultures for Production of Curcuminoids From Glucose. Biotechnology Journal, 2018, 13, e1700576.	3.5	52
140	Separation of Î±â€ketoglutaric acid and pyruvic acid from the culture broth of Yarrowia lipolytica WSHâ€Z06 by chromatographic methods. Biotechnology Progress, 2018, 34, 1370-1379.	2.6	4
141	Improving bioconversion of eugenol to coniferyl alcohol by in situ eliminating harmful H2O2. Bioresource Technology, 2018, 267, 578-583.	9.6	13
142	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
143	Current challenges facing one-step production of l-ascorbic acid. Biotechnology Advances, 2018, 36, 1882-1899.	11.7	49
144	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

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145	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
146	Obtaining a Panel of Cascade Promoter-5â€²-UTR Complexes in Escherichia coli. ACS Synthetic Biology, 2017, 6, 1065-1075.	3.8	74
147	Engineering of an H₂O₂ autoâ€scavenging in vivo cascade for pinoresinol production. Biotechnology and Bioengineering, 2017, 114, 2066-2074.	3.3	13
148	Identification of a polysaccharide produced by the pyruvate overproducer Candida glabrata CCTCC M202019. Applied Microbiology and Biotechnology, 2017, 101, 4447-4458.	3.6	12
149	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
150	The application of powerful promoters to enhance gene expression in industrial microorganisms. World Journal of Microbiology and Biotechnology, 2017, 33, 23.	3.6	31
151	Spatial organization of silybin biosynthesis in milk thistle [Silybum marianum (L.) Gaertn]. Plant Journal, 2017, 92, 995-1004.	5.7	41
152	Biosynthesis of keto acids by fed-batch culture of Yarrowia lipolytica WSH-Z06. Bioresource Technology, 2017, 243, 1037-1043.	9.6	38
153	Identification of transporter proteins for PQQ-secretion pathways by transcriptomics and proteomics analysis in Gluconobacter oxydans WSH-003. Frontiers of Chemical Science and Engineering, 2017, 11, 72-88.	4.4	18
154	Enhanced (S)-linalool production by fusion expression of farnesyl diphosphate synthase and linalool synthase in Saccharomyces cerevisiae. Journal of Applied Microbiology, 2016, 121, 187-195.	3.1	55
155	Effects of three permeases on arginine utilization in Saccharomyces cerevisiae. Scientific Reports, 2016, 6, 20910.	3.3	15
156	Genome-wide mapping of nucleosome positions in Saccharomyces cerevisiae in response to different nitrogen conditions. Scientific Reports, 2016, 6, 33970.	3.3	9
157	Overexpression of pyrroloquinoline quinone biosynthetic genes affects l -sorbose production in Gluconobacter oxydans WSH-003. Biochemical Engineering Journal, 2016, 112, 70-77.	3.6	24
158	Salt-template-assisted synthesis of robust 3D honeycomb-like structured MoS₂ and its application as a lithium-ion battery anode. Journal of Materials Chemistry A, 2016, 4, 8734-8741.	10.3	96
159	Scalable synthesis of high-quality transition metal dichalcogenide nanosheets and their application as sodium-ion battery anodes. Journal of Materials Chemistry A, 2016, 4, 17370-17380.	10.3	72
160	Proteomic analysis of the response of Î±-ketoglutarate-producer Yarrowia lipolytica WSH-Z06 to environmental pH stimuli. Applied Microbiology and Biotechnology, 2016, 100, 8829-8841.	3.6	8
161	Characterization of mutants of a tyrosine ammonia-lyase from Rhodotorula glutinis. Applied Microbiology and Biotechnology, 2016, 100, 10443-10452.	3.6	29
162	Efficient biosynthesis of (2S)-pinocembrin from d-glucose by integrating engineering central metabolic pathways with a pH-shift control strategy. Bioresource Technology, 2016, 218, 999-1007.	9.6	43

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163	Applying pathway engineering to enhance production of alpha-ketoglutarate in Yarrowia lipolytica. Applied Microbiology and Biotechnology, 2016, 100, 9875-9884.	3.6	18
164	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
165	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
166	Stepwise modular pathway engineering of Escherichia coli for efficient one-step production of (2S)-pinocembrin. Journal of Biotechnology, 2016, 231, 183-192.	3.8	30
167	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
168	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
169	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
170	Identification and application of keto acids transporters in Yarrowia lipolytica. Scientific Reports, 2015, 5, 8138.	3.3	28
171	A high-throughput screening procedure for enhancing Î±-ketoglutaric acid production in Yarrowia lipolytica by random mutagenesis. Process Biochemistry, 2015, 50, 1516-1522.	3.7	33
172	Enhanced production of <scp>l</scp>-sorbose in an industrial Gluconobacter oxydans strain by identification of a strong promoter based on proteomics analysis. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 1039-1047.	3.0	27
173	2D Space-Confined Synthesis of Few-Layer MoS₂ Anchored on Carbon Nanosheet for Lithium-Ion Battery Anode. ACS Nano, 2015, 9, 3837-3848.	14.6	552
174	Biolistic Transformation of Candida glabrata for Homoplasmic Mitochondrial Genome Transformants. Fungal Biology, 2015, , 119-127.	0.6	0
175	Identification of membrane proteins associated with phenylpropanoid tolerance and transport in Escherichia coli BL21. Journal of Proteomics, 2015, 113, 15-28.	2.4	32
176	Protein Homeostasis Imposes a Barrier on Functional Integration of Horizontally Transferred Genes in Bacteria. PLoS Genetics, 2015, 11, e1005612.	3.5	79
177	Modular Optimization of Heterologous Pathways for De Novo Synthesis of (2S)-Naringenin in Escherichia coli. PLoS ONE, 2014, 9, e101492.	2.5	78
178	Efficient Synthesis of Eriodictyol from <scp>l</scp> -Tyrosine in Escherichia coli. Applied and Environmental Microbiology, 2014, 80, 3072-3080.	3.1	87
179	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
180	Genomic Evolution of Saccharomyces cerevisiae under Chinese Rice Wine Fermentation. Genome Biology and Evolution, 2014, 6, 2516-2526.	2.5	28

#	Article	IF	Citations
181	Novel fermentation processes for manufacturing plant natural products. Current Opinion in Biotechnology, 2014, 25, 17-23.	6.6	52
182	Comparative proteomic analysis of Saccharomyces cerevisiae under different nitrogen sources. Journal of Proteomics, 2014, 101, 102-112.	2.4	27
183	Effects of pyruvate dehydrogenase subunits overexpression on the Î±-ketoglutarate production in Yarrowia lipolytica WSH-Z06. Applied Microbiology and Biotechnology, 2014, 98, 7003-7012.	3.6	43
184	Metabolic Engineering of the Regulators in Nitrogen Catabolite Repression To Reduce the Production of Ethyl Carbamate in a Model Rice Wine System. Applied and Environmental Microbiology, 2014, 80, 392-398.	3.1	37
185	Systems metabolic engineering of microorganisms to achieve large-scale production of flavonoid scaffolds. Journal of Biotechnology, 2014, 188, 72-80.	3.8	39
186	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
187	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
188	Efficient transformation of Rhizopus delemar by electroporation of germinated spores. Journal of Microbiological Methods, 2014, 103, 58-63.	1.6	9
189	Characterization of a group of pyrroloquinoline quinoneâ€dependent dehydrogenases that are involved in the conversion of <scp>L</scp>â€sorbose to 2â€Ketoâ€<scp>L</scp>â€gulonic acid in Ketogulonicigenium vulgare WSHâ€001. Biotechnology Progress, 2013, 29, 1398-1404.	2.6	22
190	Response of Saccharomyces cerevisiae to D-limonene-induced oxidative stress. Applied Microbiology and Biotechnology, 2013, 97, 6467-6475.	3.6	54
191	Metabolic engineering of Escherichia coli for (2S)-pinocembrin production from glucose by a modular metabolic strategy. Metabolic Engineering, 2013, 16, 48-55.	7.0	193
192	Progress in preventing the accumulation of ethyl carbamate in alcoholic beverages. Trends in Food Science and Technology, 2013, 32, 97-107.	15.1	99
193	Nitrogen regulation involved in the accumulation of urea in Saccharomyces cerevisiae. Yeast, 2013, 30, 437-447.	1.7	58
194	Overproduction of geraniol by enhanced precursor supply in Saccharomyces cerevisiae. Journal of Biotechnology, 2013, 168, 446-451.	3.8	78
195	Multivariate modular metabolic engineering of Escherichia coli to produce resveratrol from l-tyrosine. Journal of Biotechnology, 2013, 167, 404-411.	3.8	110
196	Biosynthesis of homoeriodictyol from eriodictyol by flavone 3â€²-O-methyltransferase from recombinant Yarrowia lioplytica: Heterologous expression, biochemical characterization, and optimal transformation. Journal of Biotechnology, 2013, 167, 472-478.	3.8	18
197	Indigenous plasmids of Bacillus megaterium WSH-002 involved in mutualism with Ketogulonicigenium vulgare WSH-001. Plasmid, 2013, 70, 240-246.	1.4	6
198	Simulation and prediction of the thuringiensin abiotic degradation processes in aqueous solution by a radius basis function neural network model. Chemosphere, 2013, 91, 442-447.	8.2	3

#	Article	IF	Citations
199	Protein Quality Control Acts on Folding Intermediates to Shape the Effects of Mutations on Organismal Fitness. Molecular Cell, 2013, 49, 133-144.	9.7	145
200	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
201	A simple procedure for protein ubiquitination detection in Saccharomyces cerevisiae: Gap1p as an example. Journal of Microbiological Methods, 2013, 94, 25-29.	1.6	7
202	Metabolic Engineering of Microorganisms for Vitamin C Production. Sub-Cellular Biochemistry, 2012, 64, 241-259.	2.4	16
203	Draft Genome Sequence of Gluconobacter oxydans WSH-003, a Strain That Is Extremely Tolerant of Saccharides and Alditols. Journal of Bacteriology, 2012, 194, 4455-4456.	2.2	31
204	Enhanced alpha-ketoglutaric acid production in Yarrowia lipolytica WSH-Z06 by regulation of the pyruvate carboxylation pathway. Applied Microbiology and Biotechnology, 2012, 96, 1527-1537.	3.6	70
205	Key cytomembrane ABC transporters of Saccharomyces cerevisiae fail to improve the tolerance to d-limonene. Biotechnology Letters, 2012, 34, 1505-1509.	2.2	20
206	Enhanced Î±-ketoglutarate production in Yarrowia lipolytica WSH-Z06 by alteration of the acetyl-CoA metabolism. Journal of Biotechnology, 2012, 161, 257-264.	3.8	60
207	A high throughput method to screen companion bacterium for 2-keto-l-gulonic acid biosynthesis by co-culturing Ketogulonicigenium vulgare. Process Biochemistry, 2012, 47, 1428-1432.	3.7	13
208	Production of Î±-Cyclodextrin Glycosyltransferase in Bacillus megaterium MS941 by Systematic Codon Usage Optimization. Journal of Agricultural and Food Chemistry, 2012, 60, 10285-10292.	5.2	16
209	Sporulation and spore stability of Bacillus megaterium enhance Ketogulonigenium vulgare propagation and 2-keto-l-gulonic acid biosynthesis. Bioresource Technology, 2012, 107, 399-404.	9.6	37
210	Enhanced Î±-ketoglutaric acid production in Yarrowia lipolytica WSH-Z06 by an improved integrated fed-batch strategy. Bioresource Technology, 2012, 114, 597-602.	9.6	61
211	Optimization of fumaric acid production by Rhizopus delemar based on the morphology formation. Bioresource Technology, 2011, 102, 9345-9349.	9.6	75
212	Development of chemically defined media supporting high cell density growth of Ketogulonicigenium vulgare and Bacillus megaterium. Bioresource Technology, 2011, 102, 4807-4814.	9.6	58
213	Arginine: A novel compatible solute to protect Candida glabrata against hyperosmotic stress. Process Biochemistry, 2011, 46, 1230-1235.	3.7	31
214	Complete Genome Sequence of the Industrial Strain Ketogulonicigenium vulgare WSH-001. Journal of Bacteriology, 2011, 193, 6108-6109.	2.2	36
215	Waterâ€forming NADH oxidase protects Torulopsis glabrata against hyperosmotic stress. Yeast, 2010, 27, 207-216.	1.7	12
216	Proline enhances Torulopsis glabrata growth during hyperosmotic stress. Biotechnology and Bioprocess Engineering, 2010, 15, 285-292.	2.6	21

#	Article	IF	Citations
217	Method to purify mitochondrial DNA directly from yeast total DNA. Plasmid, 2010, 64, 196-199.	1.4	4
218	Screening of a thiamine-auxotrophic yeast for Î±-ketoglutaric acid overproduction. Letters in Applied Microbiology, 2010, 51, 264-271.	2.2	67
219	Mitochondrial DNA Heteroplasmy in Candida glabrata after Mitochondrial Transformation. Eukaryotic Cell, 2010, 9, 806-814.	3.4	28
220	ATP in current biotechnology: Regulation, applications and perspectives. Biotechnology Advances, 2009, 27, 94-101.	11.7	103
221	Enhancement of pyruvate productivity by inducible expression of a F0F1-ATPase inhibitor INH1 in Torulopsis glabrata CCTCC M202019. Journal of Biotechnology, 2009, 144, 120-126.	3.8	30
222	A reusable method for construction of non-marker large fragment deletion yeast auxotroph strains: A practice in Torulopsis glabrata. Journal of Microbiological Methods, 2009, 76, 70-74.	1.6	35
223	Citrate protect the growth of Torulopsis glabrata CCTCC M202019 against acidic stress as additional ATP supplier. Journal of Biotechnology, 2008, 136, S741.	3.8	1
224	Optimization of citrinin production by endophytic Penicillium citrinum isolated from Ziziphus jujuba. Systems Microbiology and Biomanufacturing, 0, , .	2.9	0
225	Efficient Production of 2,5-Diketo-D-gluconic Acid by Reducing Browning Levels During Gluconobacter oxydans ATCC 9937 Fermentation. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	2