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	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
2	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
3	Porous MoS₂/Carbon Spheres Anchored on 3D Interconnected Multiwall Carbon Nanotube Networks forÂUltrafast Na Storage. Advanced Energy Materials, 2018, 8, 1702909.	19.5	190
4	High-Throughput Screening Technology in Industrial Biotechnology. Trends in Biotechnology, 2020, 38, 888-906.	9.3	166
5	Metal chalcogenides for potassium storage. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 437-465.	17.3	154
6	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
7	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
8	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
9	Challenges and possibilities for bio-manufacturing cultured meat. Trends in Food Science and Technology, 2020, 97, 443-450.	15.1	145
10	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
11	Optimizing Oleaginous Yeast Cell Factories for Flavonoids and Hydroxylated Flavonoids Biosynthesis. ACS Synthetic Biology, 2019, 8, 2514-2523.	3.8	125
12	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
13	Regulation of Sensing, Transportation, and Catabolism of Nitrogen Sources in Saccharomyces cerevisiae. Microbiology and Molecular Biology Reviews, 2018, 82, .	6.6	117
14	Multivariate modular metabolic engineering of Escherichia coli to produce resveratrol from l-tyrosine. Journal of Biotechnology, 2013, 167, 404-411.	3.8	110
15	Metabolic engineering of Escherichia coli for producing adipic acid through the reverse adipate-degradation pathway. Metabolic Engineering, 2018, 47, 254-262.	7.0	105
16	ATP in current biotechnology: Regulation, applications and perspectives. Biotechnology Advances, 2009, 27, 94-101.	11.7	103
17	Progress in preventing the accumulation of ethyl carbamate in alcoholic beverages. Trends in Food Science and Technology, 2013, 32, 97-107.	15.1	99
18	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

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19	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
20	Efficient Synthesis of Eriodictyol from <scp>l</scp> -Tyrosine in Escherichia coli. Applied and Environmental Microbiology, 2014, 80, 3072-3080.	3.1	87
21	Dendriteâ€Free Flexible Fiberâ€Shaped Zn Battery with Long Cycle Life in Water and Air. Advanced Energy Materials, 2019, 9, 1901434.	19.5	87
22	Coupling feedback genetic circuits with growth phenotype for dynamic population control and intelligent bioproduction. Metabolic Engineering, 2019, 54, 109-116.	7.0	79
23	Protein Homeostasis Imposes a Barrier on Functional Integration of Horizontally Transferred Genes in Bacteria. PLoS Genetics, 2015, 11, e1005612.	3.5	79
24	Overproduction of geraniol by enhanced precursor supply in Saccharomyces cerevisiae. Journal of Biotechnology, 2013, 168, 446-451.	3.8	78
25	Modular Optimization of Heterologous Pathways for De Novo Synthesis of (2S)-Naringenin in Escherichia coli. PLoS ONE, 2014, 9, e101492.	2.5	78
26	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
27	Optimization of fumaric acid production by Rhizopus delemar based on the morphology formation. Bioresource Technology, 2011, 102, 9345-9349.	9.6	75
28	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
29	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
30	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
31	Obtaining a Panel of Cascade Promoter-5â€²-UTR Complexes in Escherichia coli. ACS Synthetic Biology, 2017, 6, 1065-1075.	3.8	74
32	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
33	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
34	Coupling metabolic addiction with negative autoregulation to improve strain stability and pathway yield. Metabolic Engineering, 2020, 61, 79-88.	7.0	70
35	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
36	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

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37	Screening of a thiamine-auxotrophic yeast for Î±-ketoglutaric acid overproduction. Letters in Applied Microbiology, 2010, 51, 264-271.	2.2	67
38	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
39	Developing Aspergillus niger as a cell factory for food enzyme production. Biotechnology Advances, 2020, 44, 107630.	11.7	64
40	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
41	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
42	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
43	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
44	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
45	Nitrogen regulation involved in the accumulation of urea in Saccharomyces cerevisiae. Yeast, 2013, 30, 437-447.	1.7	58
46	Trends and ideas in technology, regulation and public acceptance of cultured meat. Future Foods, 2021, 3, 100032.	5.4	57
47	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
48	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
49	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
50	Response of Saccharomyces cerevisiae to D-limonene-induced oxidative stress. Applied Microbiology and Biotechnology, 2013, 97, 6467-6475.	3.6	54
51	Novel fermentation processes for manufacturing plant natural products. Current Opinion in Biotechnology, 2014, 25, 17-23.	6.6	52
52	Engineering Escherichia coli Coâ€Cultures for Production of Curcuminoids From Glucose. Biotechnology Journal, 2018, 13, e1700576.	3.5	52
53	Current challenges facing one-step production of l-ascorbic acid. Biotechnology Advances, 2018, 36, 1882-1899.	11.7	49
54	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

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55	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
56	Spatial organization of silybin biosynthesis in milk thistle [Silybum marianum (L.) Gaertn]. Plant Journal, 2017, 92, 995-1004.	5.7	41
57	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
58	Production of meat alternatives using live cells, cultures and plant proteins. Current Opinion in Food Science, 2022, 43, 43-52.	8.0	41
59	Bioprocessing technology of muscle stem cells: implications for cultured meat. Trends in Biotechnology, 2022, 40, 721-734.	9.3	40
60	Systems metabolic engineering of microorganisms to achieve large-scale production of flavonoid scaffolds. Journal of Biotechnology, 2014, 188, 72-80.	3.8	39
61	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
62	Biosynthesis of keto acids by fed-batch culture of Yarrowia lipolytica WSH-Z06. Bioresource Technology, 2017, 243, 1037-1043.	9.6	38
63	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
64	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
65	Complete Genome Sequence of the Industrial Strain Ketogulonicigenium vulgare WSH-001. Journal of Bacteriology, 2011, 193, 6108-6109.	2.2	36
66	Recent Advances in the Microbial Synthesis of Hemoglobin. Trends in Biotechnology, 2021, 39, 286-297.	9.3	36
67	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
68	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
69	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
70	Metabolism and strategies for enhanced supply of acetyl-CoA in Saccharomyces cerevisiae. Bioresource Technology, 2021, 342, 125978.	9.6	35
71	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
72	Identification of membrane proteins associated with phenylpropanoid tolerance and transport in Escherichia coli BL21. Journal of Proteomics, 2015, 113, 15-28.	2.4	32

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73	Arginine: A novel compatible solute to protect Candida glabrata against hyperosmotic stress. Process Biochemistry, 2011, 46, 1230-1235.	3.7	31
74	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
75	The application of powerful promoters to enhance gene expression in industrial microorganisms. World Journal of Microbiology and Biotechnology, 2017, 33, 23.	3.6	31
76	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
77	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
78	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
79	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
80	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
81	Efficient bioconversion of epimedin C to icariin by a glycosidase from Aspergillus nidulans. Bioresource Technology, 2019, 289, 121612.	9.6	30
82	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
83	Characterization of mutants of a tyrosine ammonia-lyase from Rhodotorula glutinis. Applied Microbiology and Biotechnology, 2016, 100, 10443-10452.	3.6	29
84	Comparative analysis of the chemical and biochemical synthesis of keto acids. Biotechnology Advances, 2021, 47, 107706.	11.7	29
85	Dehydrogenases of acetic acid bacteria. Biotechnology Advances, 2022, 54, 107863.	11.7	29
86	Mitochondrial DNA Heteroplasmy in Candida glabrata after Mitochondrial Transformation. Eukaryotic Cell, 2010, 9, 806-814.	3.4	28
87	Genomic Evolution of Saccharomyces cerevisiae under Chinese Rice Wine Fermentation. Genome Biology and Evolution, 2014, 6, 2516-2526.	2.5	28
88	Identification and application of keto acids transporters in Yarrowia lipolytica. Scientific Reports, 2015, 5, 8138.	3.3	28
89	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
90	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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91	Comparative proteomic analysis of Saccharomyces cerevisiae under different nitrogen sources. Journal of Proteomics, 2014, 101, 102-112.	2.4	27
92	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
93	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
94	Stress tolerance phenotype of industrial yeast: industrial cases, cellular changes, and improvement strategies. Applied Microbiology and Biotechnology, 2019, 103, 6449-6462.	3.6	27
95	Growth-coupled evolution and high-throughput screening assisted rapid enhancement for amylase-producing Bacillus licheniformis. Bioresource Technology, 2021, 337, 125467.	9.6	27
96	Enhanced Pyruvate Production in Candida glabrata by Engineering ATP Futile Cycle System. ACS Synthetic Biology, 2019, 8, 787-795.	3.8	26
97	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
98	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
99	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
100	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
101	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
102	Engineering enzymatic cascades for the efficient biotransformation of eugenol and taxifolin to silybin and isosilybin. Green Chemistry, 2019, 21, 1660-1667.	9.0	24
103	The microbiome of Chinese rice wine (Huangjiu). Current Research in Food Science, 2022, 5, 325-335.	5.8	24
104	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
105	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
106	Enhanced pyruvate production in Candida glabrata by carrier engineering. Biotechnology and Bioengineering, 2018, 115, 473-482.	3.3	22
107	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
108	Proline enhances Torulopsis glabrata growth during hyperosmotic stress. Biotechnology and Bioprocess Engineering, 2010, 15, 285-292.	2.6	21

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109	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
110	Key cytomembrane ABC transporters of Saccharomyces cerevisiae fail to improve the tolerance to d-limonene. Biotechnology Letters, 2012, 34, 1505-1509.	2.2	20
111	Enhancement of 2-phenylethanol production by a wild-type Wickerhamomyces anomalus strain isolated from rice wine. Bioresource Technology, 2020, 318, 124257.	9.6	20
112	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
113	Applied evolution: Dual dynamic regulations-based approaches in engineering intracellular malonyl-CoA availability. Metabolic Engineering, 2021, 67, 403-416.	7.0	19
114	Enhancing Flavan-3-ol Biosynthesis in Saccharomyces cerevisiae. Journal of Agricultural and Food Chemistry, 2021, 69, 12763-12772.	5.2	19
115	Recent advances in the development of Aspergillus for protein production. Bioresource Technology, 2022, 348, 126768.	9.6	19
116	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
117	Applying pathway engineering to enhance production of alpha-ketoglutarate in Yarrowia lipolytica. Applied Microbiology and Biotechnology, 2016, 100, 9875-9884.	3.6	18
118	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
119	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
120	Enhancement of pyruvic acid production in Candida glabrata by engineering hypoxia-inducible factor 1. Bioresource Technology, 2020, 295, 122248.	9.6	18
121	Production of 2-keto-L-gulonic acid by metabolically engineered Escherichia coli. Bioresource Technology, 2020, 318, 124069.	9.6	18
122	Efficient production of L-homoserine in Corynebacterium glutamicum ATCC 13032 by redistribution of metabolic flux. Biochemical Engineering Journal, 2020, 161, 107665.	3.6	18
123	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
124	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
125	Microbial cell factories for the production of flavonoidsâ€“barriers and opportunities. Bioresource Technology, 2022, 360, 127538.	9.6	17
126	Metabolic Engineering of Microorganisms for Vitamin C Production. Sub-Cellular Biochemistry, 2012, 64, 241-259.	2.4	16

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127	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
128	Current progress and prospects of enzyme technologies in future foods. Systems Microbiology and Biomanufacturing, 2021, 1, 24-32.	2.9	16
129	Structure-based engineering of substrate specificity for pinoresinol-lariciresinol reductases. Nature Communications, 2021, 12, 2828.	12.8	16
130	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
131	Glycosylation Modification Enhances (2S)-Naringenin Production in Saccharomyces cerevisiae. ACS Synthetic Biology, 2022, 11, 2339-2347.	3.8	16
132	Effects of three permeases on arginine utilization in Saccharomyces cerevisiae. Scientific Reports, 2016, 6, 20910.	3.3	15
133	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
134	Identification and characterization of three flavonoid 3-O-glycosyltransferases from Epimedium koreanum Nakai. Biochemical Engineering Journal, 2020, 163, 107759.	3.6	15
135	Combinatorial engineering for efficient production of protein-glutaminase in Bacillus subtilis. Enzyme and Microbial Technology, 2021, 150, 109863.	3.2	15
136	Application Prospect of Protein-Glutaminase in the Development of Plant-Based Protein Foods. Foods, 2022, 11, 440.	4.3	15
137	Efficient Synthesis of Phycocyanobilin by Combinatorial Metabolic Engineering in Escherichia coli. ACS Synthetic Biology, 2022, 11, 2089-2097.	3.8	15
138	Systematic characterization of sorbose/sorbosone dehydrogenases and sorbosone dehydrogenases from Ketogulonicigenium vulgare WSH-001. Journal of Biotechnology, 2019, 301, 24-34.	3.8	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	Identification of an urethanase from Lysinibacillus fusiformis for degrading ethyl carbamate in fermented foods. Food Bioscience, 2020, 36, 100666.	4.4	14
141	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
142	An effective cytokine combination for ex vivo expansion of porcine muscle stem cells. Food Bioscience, 2022, 46, 101571.	4.4	14
143	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
144	Engineering of an H₂O₂ autoâ€scavenging in vivo cascade for pinoresinol production. Biotechnology and Bioengineering, 2017, 114, 2066-2074.	3.3	13

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145	Improving bioconversion of eugenol to coniferyl alcohol by in situ eliminating harmful H2O2. Bioresource Technology, 2018, 267, 578-583.	9.6	13
146	Recent Advances in the Physicochemical Properties and Biotechnological Application of Vitreoscilla Hemoglobin. Microorganisms, 2021, 9, 1455.	3.6	13
147	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
148	Waterâ€forming NADH oxidase protects Torulopsis glabrata against hyperosmotic stress. Yeast, 2010, 27, 207-216.	1.7	12
149	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
150	Identification of a polysaccharide produced by the pyruvate overproducer Candida glabrata CCTCC M202019. Applied Microbiology and Biotechnology, 2017, 101, 4447-4458.	3.6	12
151	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
152	An efficient expression tag library based on self-assembling amphipathic peptides. Microbial Cell Factories, 2019, 18, 91.	4.0	12
153	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
154	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
155	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
156	Protein-glutaminase: Research progress and prospect in food manufacturing. Food Bioscience, 2021, 43, 101314.	4.4	12
157	Correlation between the microbial community and ethyl carbamate generated during Huzhou rice wine fermentation. Food Research International, 2022, 154, 111001.	6.2	12
158	IGF-1 Signaling Regulates Mitochondrial Remodeling during Myogenic Differentiation. Nutrients, 2022, 14, 1249.	4.1	12
159	Production of L-tyrosine using tyrosine phenol-lyase by whole cell biotransformation approach. Enzyme and Microbial Technology, 2019, 131, 109430.	3.2	11
160	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
161	Optimization of CRISPRâ€Cas9 through promoter replacement and efficient production of Lâ€homoserine in Corynebacterium glutamicum. Biotechnology Journal, 2021, 16, e2100093.	3.5	11
162	Visualized Multigene Editing System for Aspergillus niger. ACS Synthetic Biology, 2021, 10, 2607-2616.	3.8	11

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